

Major modernization upgrade project in AEDC's propulsion wind tunnel complex reaches a milestone

By Philip Lorenz III
ATA Public Affairs

The modernization of the Propulsion Wind Tunnel Complex's (PWT) 4-foot Transonic Wind Tunnel (4T), which first became operational in 1967, is now at a critical juncture.

"We will be shutting down operations in Wind Tunnel 4T for a 20-month investment outage starting in October for a major upgrade, said Steve Pearson, ATA general manager at the Arnold Engineering Development Complex (AEDC). "This test unit will receive a new data system, captive trajectory system (CTS), flex nozzle actuators and controls, roll system and new diffuser seal flaps. The tunnel is scheduled to return to service in June 2014. While we

will lose the capability to serve customers with 4T, it is exciting to see this level of investment, which will greatly improve the test capabilities and reliability of the tunnel."

Peter Macaluso, AEDC's project manager of PWT, is excited about the current milestone the project's team has reached with 4T's modernization program.

"[Since] we've got a few years of planning already under our belt, we're now to the point where we're going to start turning on the torches, cutting holes and wires and this is where all of our planning will pay off," he said. "The 18-month outage will be followed by return-to-service testing to validate all of the systems before the customer can return to conduct their

testing."

Macaluso said to appreciate the significance of this stage of the facility's modernization, it is imperative to know what takes place in this unique national ground testing asset.

"4T is an aerodynamic wind tunnel," he said. "It is the premiere weapon separation tunnel for the United States and the foreign governments we support in our mutual interest. Most of our customers, who come to tunnel 4T, are here to conduct a wind tunnel weapon separation test."

Macaluso explained the testing process in 4T.

"We call what is mounted on or in the aircraft a 'store,' whether it's a bomb, missile, extra fuel tank, camera pod or whatever," he

said. "The typical store test in 4T includes both store configuration testing and store separation testing on small-scale models of the aircraft and stores."

As the technology and capability of military aircraft continues to advance, a modernization goal for 4T is to match the facility's range of test capabilities for today's customer and those of the future.

Data Acquisition System

Since accurate and time sensitive data is critical to any test at AEDC that part of the modernization is being addressed by a major upgrade to 4T's data acquisition system. This will include switching to TestSlate©

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World-Class testing asset fulfills need

A project team at the Arnold Engineering Development Complex (AEDC) has successfully completed an initial site acceptance test campaign on Arnold's new, one-of-a-kind space asset testing facility.

For complete story see page 3

From left, Dawn Battles, ATK Space Threat Assessment Testbed (STAT) program manager; Keith Holt, Aerospace Testing Alliance's STAT program manager; and Nikki Tracey, AEDC's Air Force STAT program manager, listen as John Prebola, ATA's STAT technical director, speaks about some features of the Space Threat Assessment Testbed Facility, located in AEDC's Space and Missile Ground Test Complex building. (Photo by Jacqueline Cowan)



AFMC declares 5-Center initial operational capability

WRIGHT-PATTERSON AIR FORCE BASE, Ohio – After some 18 months of planning and careful transition, Air Force Materiel Command officials declared initial operational capability (IOC) of AFMC's 5-Center reorganization Oct. 1 and continue the process of improving its support to the warfighter.

In early July, the command began activating its new centers and consolidating others as it transitioned from operating with 12 centers to five.

"We have spent many months working through very deliberate phases of planning, implementation and transition with an ever-present goal of providing more efficient and effective support to the warfighter," said Gen. Janet Wolfenbarger, AFMC commander. She said AFMC will be just as deliberate as it works toward reaching full operational capability (FOC) by late 2013.

Wolfenbarger said the 5-Center construct is also being incorporated into a new AFMC strategic plan that will not only guide the command from IOC to FOC with firm priorities, but also measure results through a series of metrics. The metrics will measure how well the new 5-Center organization is carrying out the AFMC mission of delivering war-winning expeditionary capabilities to the warfighter.

"Our measurements will be results-oriented," Wolfenbarger said. "We are going to measure productivity, not simply activity."

The metrics will be reported by the centers and select headquarters offices to command leadership.

To date, AFMC centers have already reported early successes stemming from the transition to the new center construct. Among them are the following:

- The Air Force Research Laboratory consolidated its Air Vehicles Directorate and Propulsion Directorate into a single Aerospace Systems Directorate. In addition to saving taxpayers \$4.2 million annually, the consolidation improves mission effectiveness by promoting integrated solutions to warfighter needs.

- At the Air Force Lifecycle Management Center, the realignment of all activity associated with a single weapon system to a single program manager yielded a more integrated acquisition and sustainment execution process.

- At the Air Force Test Center, subordinate units have teamed to share resources rather than develop independent, competing capabilities. One wing shared information about software development programs and gathered inputs from multiple organizations, producing an enterprise-capability assessment versus a single-site analysis.

- At the Air Force Sustainment Center, initial integration activities resulted in an enterprise view across the center's three

See 5-CENTER, page 5

AEDC's JFC hosts Sports Day



From left, Arnold Engineering Development Complex (AEDC) Commander Col. Raymond Toth shakes off Will Mallory and Brandon Lucy, both AEDC DOD employees, with AEDC Executive Director Britt Covington standing guard as the commander ran 50 yards for a touchdown during Arnold's recent 2012 Sports Day event on base. AEDC's Junior Force Council hosted this year's event. (Photo by Jacqueline Cowan)

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HIGH MACH

Arnold Engineering Development Complex
An Air Force Materiel Command Test Complex

Col. Raymond Toth
Commander

Jason Austin
Director,
Public Affairs



Steve Pearson
General Manager,
Aerospace Testing Alliance

High Mach Staff:
Kathy Gattis, ATA Public Affairs Manager & Executive Editor
Raquel March, Editor Information International Associates, Inc., Production Support

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- Nurture, enable and treat people fairly
- Align with customer goals and objectives
 - Use disciplined and innovative processes
- Continually improve in all that we do

We Won: It was a long, hard-fought battle

By Rhonda M. Ward
AEDC Federal Women's Program Manager

With Election Day a month away it's appropriate to pause and remember the struggles citizens undertook to earn the right to vote in our democracy.

It was a long, hard-fought "battle" that began in 1848 and didn't end until 1920. It was won in Nashville when a 24-year-old legislator voted for the ratification of the 19th Amendment after being urged by his mother to do so.

Because of his vote, women in America have the right to vote in each election. Some feel that they don't need to vote because one vote won't make a difference. However, as evidenced by the ratification of the 19th Amendment, one vote can change the lives of many. It doesn't matter whether you vote Democrat, Republican, etc. What is important is that you exercise your right and vote in the upcoming local and presidential elections.

The 19th Amendment reads: "The right of citizens of the United States to vote shall not be denied or abridged by the United States or by any State on account of sex, and that the Congress shall have power to enforce this article by appropriate

legislation..."

The 19th Amendment to the Constitution was ratified on August 26, 1920. In 1971 a Joint Resolution of Congress designated August 26 of each year as Women's Equality Day.

Several employees at Arnold Engineering Development Complex (AEDC) were asked the following question "What does Women's Equality Day mean to you?"

Women's equality thoughts from others

"In a nutshell, I believe Women's Equality Day serves as a reminder for men to love, respect and value women in the manner God intended. I believe a better title for the occasion would actually be Women's Appreciation Day. If all men appreciated women in the manner God intended, equality would never be an issue. It's not about "rights"; it's about doing what's right. Surely, women represent the softer and lovelier side of humanity and we men are blessed by their companionship and existence."

Kenneth Jacobsen, AF

"Women's Equality Day, for me, is a celebra-

tion of America recognizing that each of its citizens have the right and privilege to vote, regardless of sex. As is often the case, the longer we have had the privilege to do something, the more likely we are to forget about the time when we,

women did not have the same rights as men to vote, the more we will try to make sure it does not happen in other aspects of life in our society. And, maybe we will all realize that it is a privilege we enjoy because we are all citizens together."

Clay Dye, ATA

men and women's perceptions of what women have and are capable of accomplishing."

Julie Lance, AF

"To me Women's Equality Day is designed to emphasize that my three daughters deserve the same opportunities as my son."

Jere Matty, AF

"We have come from a very long ways, especially the women of color. There is still work to be done. In my opinion, Equality Day marks the era of a new beginning for women to celebrate achievements and goals, regardless of their race, color or creed. Starting today, let's All Women continue standing to make this world a better place for women's equality. We are certainly over due."

Wilsie Ford, ATA

"For me, Women's Equality Day serves as a reminder that we cannot take freedom for granted. We must always remember that it is possible for fundamental rights to be stripped from us for unjust reasons, and it is up to us to remain vigilant and ready to fight for our freedom whenever necessary."

Angela Kelley, AF

The 19th Amendment reads: "The right of citizens of the United States to vote shall not be denied or abridged by the United States or by any State on account of sex, and that the Congress shall have power to enforce this article by appropriate legislation..."

or others, might not have had that privilege. It is a day for us to remember that there was a time in the United States when not every citizen had the same right and privilege to vote - to have a say in who leads our nation. Maybe the more we are reminded of the time

"Women's Equality Day means I was given the right to pursue whatever I desire. The right to vote was the first step in the right direction for equality and has allowed women to help make the world a better place for society as a whole."

Sara Rozell, AF

"It reminds me of the history of how the women really suffered in order for us to vote. As women especially, we should honor these women by making sure we exercise our right to vote. I don't think I would have had the courage to do what they did to give me this right."

Gayle Wasson, ATA

"I look at Aug. 26th, Women's Equality Day, as the first stepping stone for women to achieve the right to vote which led to the second stepping stone to embrace the idea that women's rights can mean so much more to help both

National Disability Employment Awareness Month

By Amanda Stroop
AEDC Civilian Personnel Division

National Disability Employment Awareness Month is a national campaign, held each October, that raises awareness about disability employment.

The U.S. Department of Labor's Office of Disability Employment Policy announced the official theme for October 2012 National Disability Employment Awareness Month: "A Strong Workforce is an Inclusive Workforce: What Can YOU Do?"

The theme promotes the benefits of a diverse workforce that includes workers with disabilities, who represent a highly skilled talent pool.

Competence and flexibility are vital skills that employers seek. Today, more than ever, businesses need people with the ability to adapt to different situations and circumstances. People with disabilities possess these attributes.

On a daily basis, people with disabilities must think creatively about how to solve problems and accomplish tasks. In the workplace, this translates into innovative thinking, fresh ideas and

varied approaches.

The history of National Disability Employment Awareness Month traces back to 1945, when Congress enacted a law declaring the first week in October each year "National Employ the Physically Handicapped Week."

In 1962, the word "physically" was removed to acknowledge the employment needs and contributions of individuals with all types of disabilities. In 1988, Congress expanded the week to a month and changed the name to National Disability Employment Awareness Month. The Labor Department's Office of Disability Employment Policy took over responsibility for National Disability Employment Awareness Month in 2001.

Federal departments and agencies continue efforts to increase the recruitment, hiring and retention of people with disabilities. The federal government has a solid commitment through Executive Order 13548 to become a model employer of people with disabilities.



Federal agencies have utilized a number of federal programs, hiring authorities and resources designed to help accommodate an employee with a disability as well as the hiring manager throughout the process. These initiatives and resources will expand the opportunities throughout government and help eliminate barriers in hiring individuals with disabilities.

"What Can You Do?"

Arnold Air Force Base shares this same commitment and promotes these continued efforts to become a model employer of people with disabilities.

Arnold has linked with federal communities such as *Max.gov* which has a shared list of people with disabilities database for recruitment opportunities. We also manage a local repository of candidates that are readily available to management.

We have and will continue to educate management on special authorities for people with disabilities as a part of our positive outreach initiative aimed at increasing the employment rate of people with disabilities. We are aware that organizations that value and appreciate each person for their individual dif-

ferences and experiences benefit from a diverse perspective.

We will continue to challenge and conquer the common misconceptions about disability and employment, and reinforce the "What can YOU do?" initiative's core message that at work, it's what people CAN do that matters.

Action Line

Team AEDC

I believe in free and open communications with our Team AEDC employees, and that's why we have the Action Line available. People can use the Action Line to clear up rumors, ask questions, suggest ideas on improvements, enter complaints or get other issues off their chests. They can access the Action Line in one of three ways: via the AEDC intranet home page, Action Line boxes at the base cafeterias and by calling 454-6000.

Although the Action Line is always available, the best and fastest way to get things resolved is by using your chain of command or by contacting the organization directly involved. I encourage everyone to go that route first, then if the situation isn't made right, give us a chance.

Col. Raymond Toth
AEDC Commander

Smoking Policy

1. The following revised AEDC smoking policy is effective immediately. Smoking is permitted solely in designated areas identified by a plastic "smoke genie." This receptacle is for the sole purpose of cigarette butt disposal. If there is no receptacle, you cannot smoke in that area. It is the responsibility of all smokers to clean up the area surrounding the receptacles for any cigarette butts on the ground. Smoking in government-owned vehicles is strictly prohibited. Personnel are allowed to smoke in their personal vehicles at any time. In case of inclement or cold weather, employees are encouraged to use their personal vehicles if a sheltered designated smoking area is not available nearby. Smoking areas will be held to the absolute minimum and will be located in low traffic, low visibility areas away from points of building ingress/egress and air intakes. A map of all authorized smoking areas is available on the AEDC web portal at [https://lapro.arnold.af.mil/PORTALimages/Smoking area map.pdf](https://lapro.arnold.af.mil/PORTALimages/Smoking%20area%20map.pdf). Smoking near a facility in an area not designated on the map is prohibited and any smoking receptacles located in areas not shown on the map will be removed. All "smoking permitted" and "no smoking" signs will be removed unless specifically required by OSHA.

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

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

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

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

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

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

AEDC's newest world-class national space testing asset on its way to mission readiness

By Philip Lorenz III
ATA Public Affairs

A project team at the Arnold Engineering Development Complex (AEDC) has successfully completed an initial site acceptance test campaign on Arnold's new, one-of-a-kind space asset testing facility.

The Space Threat Assessment Testbed (STAT) can simulate a realistic operational environment to space hardware, using multiple source simulators to emulate the conditions existing at various orbits.

The facility will fulfill a long-standing need for a national mission-critical asset with capabilities previously unavailable anywhere in the world, according to Keith Holt, Aerospace Testing Alliance's STAT program manager.

"There are facilities in the world that have one of these sources, maybe four of these sources on it, in the natural environment," Holt said. "Ours will have a total of 10 sources between the natural, the man-made and the self-induced sources."

Looking further out, Holt said once AEDC's STAT asset is fully mission capable for testing of large satellite components and 'microsatellites,' the facility will provide what had been practically non-existent during developmental work prior to a launch.

"The only testing to date of that kind of activity is post launch," he said. "We throw a half a billion dollar piece of equipment up there and we wait and see what happens. STAT is being built to try to do that testing pre-launch and understand what's destroying our satellite capabilities and what can we do to protect those, to harden those satellites."

The STAT facility will simulate the other three conditions found outside the Earth's atmo-

sphere, a vacuum and extreme heat and cold.

Elaborating on the sources he had listed, Holt said, "Self-induced sources are what the satellite does to itself as the materials in it are out-gassing, from the inside and also from the satellite's exterior. The man-made are the threats that our enemies want to use against the satellite. Then the natural environment is what occurs normally in space, like atomic oxygen, electrons, protons, all of the things that are naturally damaging our satellites."

Nikki Tracey, AEDC's Air Force STAT program manager, said she is confident that ongoing checkout testing on the facility will enable the unique space testing asset to transfer to Space and Missile Test Complex ownership by January.

"Now that we've completed the initial site acceptance test, which includes a specified number of sources in a certain environment this summer, we'll wrap up our efforts when we integrate the rest of the system and complete operator training and so forth," she said. "The remaining milestone, prior to transferring the facility to Space and Missiles as an operational test unit, is the final site acceptance test."

The initial site acceptance test is the equivalent to the halfway point of mission capability, whereas the final acceptance test is when STAT will be fully mission ready.

Tracey said the need for such a space environment testing asset has been needed for close to 10 years, maybe longer.

"In the early 2000s, the Aerospace Corporation published reports that that showed since 1990, somewhere between 35 to 45 percent of our

satellite systems experienced at least one mission-degrading failure by its third year in operation," she said. "[When] we send something up there, it's up there and it's not coming back – you can't do depot maintenance."

Regarding the facility's capabilities, Keith Holt said the bottom line is preventing the loss of critical capabilities provided by satellites, from communications to research.

"We lose billions of dollars worth of assets a year in DOD and commercial satellites, just because they fail due to atmospheric conditions, the natural environment in space," he said.

Tracey said STAT will do more than create an environment similar to what it will actually see on orbit.

"[It] provides the opportu-

nity to develop training tactics, techniques and procedures for satellite operators. If they see an anomaly from a satellite, we can tell them exactly what caused that anomaly by creating certain conditions on the ground [in AEDC's test cell]."

Holt and Tracey agree that when they consider all of the capabilities that STAT has demonstrated with the recent milestone, it would not have been possible without the collaborative effort involved. AEDC's STAT team and Aliant Techsystems (ATK), a large aerospace and defense company, comprised the key players on the project.

"As the prime contractor, ATK coordinated and executed the design and fabrication of the STAT system," Holt said. "Dawn Battles, ATK STAT

program manager, and her team have recently been handling STAT's onsite assembly, installation, testing and checkout."

Tracey is particularly proud of an additional thing AEDC's STAT team was able to accomplish.

"Carrie McInturff, our ATA project engineer, and Marc Smotherman, ATA's STAT Data Acquisition and Control System and Chamber lead, built our test article, a fully-instrumented microsatellite," she said. "They were supported by Roger Johnson and Ricky Bush, an instrument technician and an outside machinist from the Space Systems Test Facility next door."

For additional information on STAT or AEDC's other ground testing assets, contact Arnold's Public Affairs office at 931-454-4204.

AIAA and AAPS membership encouragement social at AEDC

By Raquel March
ATA Public Affairs

The American Institute of Aeronautics and Astronautics (AIAA) and the Arnold Association of Professional Societies (AAPS) recently held a Membership Encouragement Social (MES). Arnold Engineering Development Complex (AEDC) Commander Col. Raymond Toth was the guest speaker.

Toth spoke about his vision for AEDC to a group of 40 people in attendance.

Dr. Rob McAmis, ATA Integrated Test and Evaluation department deputy director, also spoke on the value of society membership.

"This event effectively communicated the many benefits of technical and professional society membership and involvement," said Dustin Crider, Aerospace Testing Alliance project manager and AIAA Tennessee Section Chairman. "These benefits include networking, skill development and outreach opportunities."

Societies represented at the AAPS MES included AIAA, the Project Management Institute (PMI), the Society for Maintenance and Reliability Professionals (SMRP), the Tennessee Society of Professional Engineers (TSPE) and the International Society of Automation (ISA).

AAPS members are involved in chairing technical committees, conference organization and coordinating local Science, Technology, Engineering and Mathematics (STEM) outreach events.



Col. Raymond Toth, Arnold Engineering Development Complex (AEDC) commander, spoke about his vision for AEDC at the American Institute of Aeronautics and Astronautics (AIAA) and the Arnold Association of Professional Societies (AAPS) membership encouragement social in September. (Photo by Rick Goodfriend)



Jon Paul Wallace (center) recently spoke with attendees of the American Institute of Aeronautics and Astronautics (AIAA) and the Arnold Association of Professional Societies (AAPS) membership encouragement social about the Project Management Institute (PMI). (Photo by Rick Goodfriend)

SecAF shares AF, DoD energy goals at summit

By Tech. Sgt. Shad Eidson
99th Air Base Wing Public Affairs

LAS VEGAS, Nev. (AFNS) - Secretary of the Air Force Michael Donley presented a keynote address on the Department of Defense's energy initiatives at the 2012 National Clean Energy Summit here Aug. 7.

The fifth annual summit gathered leaders from government, business, non-profit organizations and academia to discuss the transformation of the nation's energy infrastructure and economy. Each year, the collaboration helps influence the development of new national energy policies and efforts toward building a cleaner energy economy.

"When we ask our service members to step, sail or fly into harm's way, we have a duty to provide the tools and the resources they need for successful operations," said Donley, who represented the Air Force and DOD. "Having assured access to reliable supplies of energy, and the ability to protect and deliver sufficient energy to meet mission essential requirements, is critical."

Donley's speech addressed several factors affecting all services' energy goals, including the need to deploy clean energy at bases and installations worldwide, efforts to decrease petroleum consumption, and initiatives to enhance national security through energy diversity, better energy efficiency, and cleaner alternative fuels.

"Energy is a critical part of everything we do in the Air Force and across DOD," Donley said. Reducing energy demand and increasing energy supply sources are vital areas as the department looks to identify efficiencies and expand capabilities, he added.

DOD is the single largest con-

sumer of energy in the nation and the Air Force consumes more energy than any other service. DOD energy costs in fiscal year 2011 totaled \$20 billion, Donley said. The Air Force spent \$9.7 billion on fuel, an amount equal to more than eight percent of the service's total budget.

"No matter how you count it, that is a significant amount, particularly when overall budgets are declining and energy costs are trending upward," Donley said. "Every dollar we don't spend on energy would allow us to invest that dollar into enhancing a high quality and ready force."

As the largest consumer of energy in the federal government, the Air Force recognizes the vulnerability and volatility risks of dependence on energy supply, he said. To that end, the Air Force is fully committed to three energy strategy principles: reduce demand, increase supply, and foster a more energy-aware culture.

"Reducing demand is the single best action the Air Force can take to enhance resiliency, primarily by developing more efficient aircraft and designing energy-smarter buildings," Donley said. "Exciting things are happening in these areas."

"Our innovative Airmen are changing the way we manage energy," the secretary said. "They have made us more energy secure and enhanced our capabilities."

Airmen have proven themselves to be key players in achieving Air Force energy objectives through innovation and identifying new policies, new processes and technologies to improve energy efficiencies, Donley said.

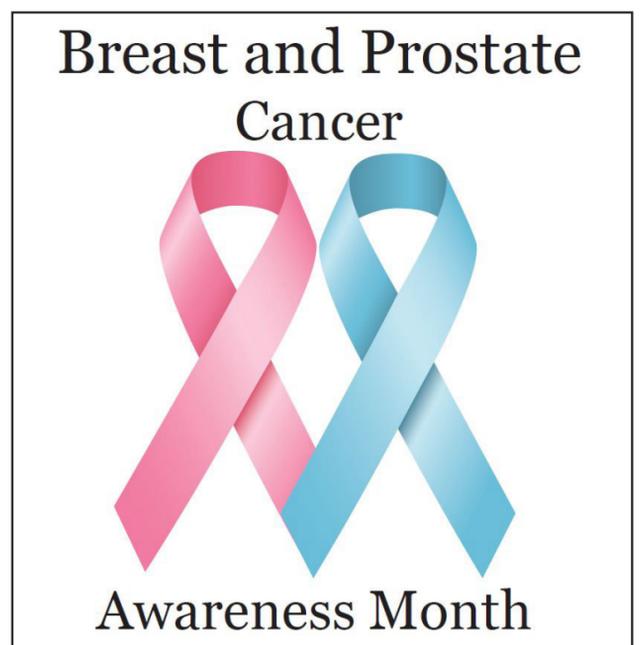
AFMC promotes Breast Cancer and Prostate Cancer Awareness in October

WRIGHT-PATTERSON AIR FORCE BASE, Ohio -

During October, Air Force Materiel Command will be promoting Breast Cancer and Prostate Cancer Awareness. This is an excellent time to educate individuals about breast and prostate cancer and promote screening. Knowing about these diseases and what you can do can save your life.

According to the Centers for Disease Control and Prevention, about 1 in 8 women in the United States will get breast cancer. Men can also be diagnosed with breast cancer, but this is rare. Breast cancer can occur at any age, but it is more likely to occur after age 40. Family history and unhealthy lifestyle behaviors may increase a woman's chance of having breast cancer. Screening for breast cancer includes mammograms, breast exams by a physician, and self breast exams. Your doctor can help you decide when and how often to be screened.

The CDC reports that approximately 1 out of 6 American men are diagnosed with prostate cancer. Men have an increased



risk of getting prostate cancer if they have a family history of the disease, are African-American, or if they are 50 years old or older. Screening for prostate cancer includes the PSA blood test and digital rectal exam by a physician.

Throughout October, Civil-

ian Health Promotion Services will be offering health education briefings on breast and prostate cancer risk factors, symptoms, screenings, and things you can do to reduce your cancer risk. For more information, contact your local CHPS team or visit www.afmcwellness.com.

Lancers, Falcons share South Dakota skies

By Airman 1st Class Hrair H. Palyan
28th Bomb Wing Public Affairs

ELLSWORTH AIR FORCE BASE, S.D. (AFNS) - The skies above Ellsworth Air Force Base, S.D., are routinely filled with B-1 bombers, but during Sept. 17 to 21, base bombers shared the airspace and ramp area with several South Dakota Air National Guard F-16s during a Guard training exercise.

The 114th Fighter Wing Fighting Lobos headquartered in Sioux Falls, S.D., came to Ellsworth for their 2012 Live Drop exercise.

"We're not allowed to use live ammunition for training purposes around Sioux Falls because we share airspace with a civilian airport," said Mas-

ter Sgt. Shawn Greer, 114th Logistics Readiness Squadron first sergeant. "Ellsworth was instrumental in allowing us to utilize their resources for our fighters to complete their annual requirements."

Prior to touching down at Ellsworth with more than 90 Airmen and six F-16 Fighting Falcons, Capt. Steve Schultz, 175th Fighter Squadron F-16 pilot, said he visited Ellsworth in July to complete a site survey and ensure the base was capable of accommodating the group during the exercise.

"Luckily for us, the 37th Bomb Squadron is deployed to Southwest Asia," Schultz said, who previously participated in

the Air National Guard's 2007 Live Drop exercise at Ellsworth. "We were able to land on Monday and immediately set up our operations for the week."

Schultz said he flew with four other F-16s to the Utah Test and Training Range Sept. 18, and successfully conducted long-range strike missions. He noted that at the completion of the exercise, aircrews were able to validate F-16 tactics, techniques and procedures used during long-range strike missions.

"It was great training for our new pilots," Schultz said. "We met our goal in hitting times over targets as precisely as possible. Things get a lot more serious when you fly



Capt. Travis Barnett, 175th Fighter Squadron F-16 pilot, performs pre-flight checks on his aircraft prior to a mission at Ellsworth Air Force Base, S.D., Sept. 19. The 175th FS Fighting Lobos operated out of Ellsworth Sept. 17 to 21 as part of the South Dakota Air National Guard's 2012 Live Drop exercise. (U.S Air Force photo by Airman 1st Class Alystria Maurer/Released)

with live ammunition, but because we practiced how we play, we were able to persevere."

With the culmination of the exercise, South Dakota Airmen from both sides of the state united to

accomplish a true feat of total force.

Greer added that he appreciates how Ellsworth Airmen stepped up to ensure F-16 aircrews and support personnel had everything they needed to

accomplish their mission.

"We came together as an Air Force team, not individual units or squadrons," Greer said. "I'm thankful for all the professionalism Ellsworth Airmen demonstrated."

AEDC urges employees to compete for energy reduction

By Raquel March
ATA Public Affairs

October is Energy Action Month across the Air Force and Arnold Engineering Development Complex (AEDC) is conducting an Energy Reduction Competition between five of its largest buildings.

The buildings competing in the competition are the Administration and Engineering building 100, the Propulsion Wind Tunnel Office building 740, the Engine Test Facility (ETF) Office building 877, the ETF-C Support building 1099 and the Carroll building 1103.

Energy consumption for October 2012 will be compared to October 2011 consumption and the building

with the largest reduction will win.

Occupants are encouraged to perform the following actions to lower energy usage:

- Work with the least level of lighting required to do the job. If the work requires use of task lights, turn off the lights if they will not be in use after 10 minutes.
- Turn off restroom, conference room and kitchen lights when unoccupied.
- Power off computer monitors when not in use.
- Avoid use of personal heaters and fans.
- Unplug all electrical devices like chargers, toasters, coffee pots, microwaves or unnecessary computer equipment when

not in use.

- If the outside temperature is hot, close window blinds to minimize heat transfer.

- Keep doors and windows closed.

- Adjust temperature settings on refrigerators if the setting is too cold.

In addition to the occupant's actions, the system engineers will make modifications to HVAC and lighting systems.

Results of the competition and a trophy will be presented at the end of the October.

For more information contact Nick Hibdon, (931) 454-5182, John McInturff (931) 454-3348 or Bob Cerny (931) 454-5872.

Carter visits F-16 training school

TUSCON, Ariz. (AFNS) - Deputy Defense Secretary Ashton B. Carter visited the 162nd Fighter Wing at Tucson International Airport here Sept. 26 to learn about international F-16 Fighting Falcon aircraft pilot training.

The Arizona Air National Guard was one of several stops Carter made throughout the Tucson area.

"It was very good for our airmen to see a senior Department of Defense leader visit our installation," said Col. Mick McGuire, 162nd Fighter Wing commander. "Dr. Carter left with a strong understanding of our mission and the impact of our global training success."

Carter and his staff met with students and exchange

pilots from Iraq, Singapore, Japan, Denmark, Poland, South Korea, Norway and the Netherlands.

Air guardsmen here train more than 70 international student pilots per year, offering several training programs that range from initial F-16 training to qualify new pilots to an advanced weapons course, officials said.



Deputy Defense Secretary Ashton B. Carter, left foreground, shakes hands with multinational F-16 Fighting Falcon aircraft training students while visiting the U.S. Air Force's 162nd Fighter Wing at the Air National Guard base at Tucson International Airport in Arizona on Sept. 26, 2012. (Department of Defense photo/Glenn Fawcett)

'Multidimensional' approach to energy initiative

WASHINGTON (AFNS) - A panel of energy experts met at the Air Force Association's Air and Space Conference and Technology Exposition Sept. 17 to discuss the service's progress in meeting the Defense Department's energy goals.

Deputy Assistant Secretary of the Air Force for Energy Dr. Kevin Geiss said the service is taking a multidimensional approach to ensure the energy initiative is effective, focusing on lowering energy cost,

increasing energy capabilities and a culture change.

"We don't care about energy for energy's sake -- we care about how it handles the mission of the Air Force," Geiss said, "that is to fly, fight and win in air, space and cyberspace."

With about \$9 billion per year in aviation fuel and facilities costs, the Air Force, Geiss said, is the largest energy consumer in the Department of Defense; however, the Air Force energy intensity is

currently down 16 percent.

"We are investing about \$250 million a year specifically on energy efficiency," Geiss said, of the initiative called the Energy Focus Fund. "We have seen a significant impact of these investments."

According to retired Lt. Col. Lucian L. Niemeyer, a staff member for the Senate Armed Services Committee, the Air Force seeks investments

that have a direct impact on the warfighter, whether

through more efficient engines or more efficient facilities.

"Any dollar saved in energy is a dollar we can provide somewhere else in the fight," Niemeyer said.

Each branch's energy awareness strides support the Defense Department's overall goals, one panelist explained.

"Not only does the Defense Department have renewable energy goals, [but] each of the services has a goal to establish 1 gigawatt

of renewable energy by 2025," retired Col. Richard Fryer of Environmental Consultants + Contractors Inc.

"We currently have 6 percent of our total electricity that comes from renewable alternative sources in fiscal year 2011," said Geiss. "That is 131 projects, across 56 installations, giving us 37 [megawatts] of total production."

Retired Col. Geoffrey Prosch, director of federal government relations,

Johnson Controls, Inc., described how the Air Force is weaving renewable energy into its culture with an hour-by-hour display of a Leadership in Energy and Environmental Design certified SMART facility. LEED facilities, he added, have begun construction on Air Force bases as part of the energy initiative.

For more information about the Air Force's energy initiatives visit <http://www.af.mil/energyinitiatives/index.asp>.

MODERNIZATION from page 1

"Once validated, this commonality will allow a seamless transition for customers who wish to test flight systems from subsonic to transonic speeds in Tunnel 4T and then bring the model to VKF to continue testing the same model from transonic speeds to high supersonic speeds," Macaluso said. "Before, hours of programming were required to set up for testing in 4T and then again in Tunnel A. Soon it should be much faster and will only have to be performed once."

Upgrade of the Capitive Trajectory (CTS) System

The CTS is a six degree-of-freedom system permitting staging or store separation studies in either grid or trajectory modes of

operation. The upgraded system will have significantly increased position accuracy.

"Another important aspect of the CTS upgrade includes an increased load capacity by approximately 40 percent, to enable the tester to accommodate those larger store models," Macaluso said. "We've met the challenge of reducing the air flow blockage associated with this increase in larger store loads."

Macaluso said their design team has also researched the use of robotics used by auto manufacturers and incorporated state-of-the-art gear drive technologies.

Modernization of flex nozzles actuators and controls

When the project is

completed and verified by testing, the new flex nozzle and actuators will be equivalent to the system already incorporated into AEDC's hypersonic, continuous flow ground testing asset, the von Kármán Gas Dynamics Facility's Tunnel A.

This will improve reliability and position accuracy of the electro-mechanical actuators that are used to shape the flexible plate to set the required nozzle contours, according to AEDC's Greg Fox, ATA's section manager over flight systems operations and maintenance.

Fox, an engineer who has worked primarily in the von Kármán Gas Dynamics Facility Tunnels A, B and C and PWT for 20 years, said, "This is how flow

5-CENTER from page 1

air logistics complexes. A prime example came in the form of integrated weekly performance reviews related to aircraft production.

• At the Air Force Nuclear Weapons Center, officials aligned Air Force and Navy programs to better leverage technologies and components for the Intercontinental Ballistic Missile fuse modernization.

Command officials are excited about the progress made so far. "I can unequivocally say that we are operating more effectively today than we were two months ago," affirmed Lt. Gen. Bruce Litchfield, AFSC commander.

Brig. Gen. Arnold Bunch, AFTC commander, added, "This reorganization has allowed us to do the things that as captains and majors we wanted to do, but

couldn't."

"I am already seeing more communication across the sites and sharing of resources with a Test Enterprise focus. I am extremely pleased with the merger of the Test and Air Base Wings. The merger has gone very smoothly, and some of the barriers between the support and test teams have been broken down with everyone now focused on a single mission," Bunch said.

The 5-Center construct was formally announced in November 2011 as a major part of AFMC's response to a Department of Defense challenge to find efficiencies and save tax dollars. By reducing and consolidating overhead, the command will continue to support to the warfighter while saving about \$109 million annually.

AFMC moves to IOC

having met three critical requirements in June. The Senate confirmed AFMC's new general officers to lead the consolidated centers, two Congressionally-mandated reports were delivered to Congress, and Headquarters Air Force formally approved the transition.

Since June, the command carried out an important transition phase during which new centers' frameworks stood up and began to take shape.

The five centers are Air Force Research Laboratory and the Air Force Life Cycle Management Center, both headquartered at Wright-Patterson AFB; Air Force Test Center, headquartered at Edwards AFB, Calif.; Air Force Sustainment Center, headquartered at Tinker AFB, Okla.; and the Air Force Nuclear Weapons Center, headquartered at Kirtland AFB, N.M.



David Anderson, ATA test project engineer, inspects the 1/20-scale models of an F-15E Strike Eagle aircraft and a sting-mounted Small Diameter Bomb (SDB II), during a break in the ongoing store separation test for the new weapon's development phase trials in the aerodynamic wind tunnel 4T of the Propulsion Wind Tunnel (PWT) facility. The test marks the second time the SDB II has been tested at Arnold. (Photo by Rick Goodfriend)

conditions are set in the wind tunnel to simulate the conditions encountered by an aircraft in flight when its associated stores are mounted in an internal bay or on wing pylons, or when the pilot releases those stores during the execution of a mission."

Other changes will include improved system reliability, along with commonality with Tunnel A, and all systems will have an air-on acceptance as part of the validation schedule for 4T's check-out.

Fox said increased reliability translates to less downtime for repairs, which allows for a higher throughput of testing in 4T.

Other improvements to 4T

Macaluso said other aspects of the facilities upgrade are equally important to meeting the customer's current and future requirements. These improvements include:

• The test section walls have been strengthened to allow for testing up to Mach 2.46.

• Installation of a modernized main electrical distribution system, installation of a new roll mechanism providing enhanced accuracy

• Modernization of translational seal flaps used to reduce turbulence by covering the "holes" left when the support holding the aircraft model comes up through this opening

"The support system for the store, the CTS hardware, is in the ceiling and a flap covers the hole left by the CTS as it moves forward and backward," Macaluso said.

John Laviolette, AEDC's test systems acquisition project manager on the 4T modernization, said the project has been very challenging due to the complexity of the test components, demanding test requirements and age of the existing facility.

Laviolette credits the team effort on the project as being essential to its success so far.

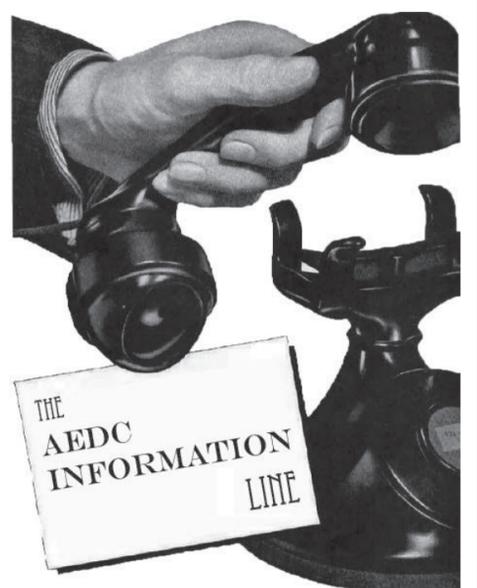
"The collaborative efforts between the various divisions within ATA have just been fantastic from the onset of this project," Laviolette said. "From planning, design and fabrication, they've taken the lead. The team has worked hand and glove with the managers and craftsman at the model shop and the machine shop to be able to fabricate many of the components which require a high degree of precision to meet time constraints or competing priorities."

"ATA met the challenge both logistically and technically to fabricate and obtain the thousands of components necessary for the project."

Laviolette added, "This has really been a team effort from day one. It's really exciting to really see it all come together to plan and prepare for this major facility outage."

454-3600

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



Milestones



Wayne Patton
40 years



Charlene Williams
40 years

40 YEARS

Wayne Patton, ATA
James Conry Jr., ATA
Tony Hill, ATA
Charlene Williams, AF

30 YEARS

Brent Morris, ATA
Michael Yockey, ATA
Donovan Hervig, ATA

25 YEARS

Mark Trybe, ATA
Kathleen Gemma, ATA
Danita Harvey, ATA
Ronnie Porter, ATA

20 YEARS

Tresha Hampton, ATA

15 YEARS

Charles Melson, ATA
John Taylor, ATA
Johnny Bradford Jr., ATA

10 YEARS

Danny Abbott, ATA
Russell Arbuckle, ATA
Jay Baldwin, ATA
Gary Cunningham, ATA
William Richardson, ATA
Jimmy Newman, ATA
Michael Buckner, ATA
Tawana Gardner, ATA

5 YEARS

Timothy Bagley, ATA
Annitta Evans, ATA
James Owens, ATA

Michael Cleek, ATA

INBOUND MILITARY

2Lt Carlin Lucente, AF

OUTBOUND MILITARY

Richard Bordley, AF
Angela Kelley, AF

RETIREMENTS

Charlene Williams, AF
Johnny Wilkinson, ATA
Joyce King, ATA

NEW HIRES

Paul Ritter, ATA
Alan Clark, ATA
Jason Thompson, Premier

PROMOTIONS

Kerry Abbott, ATA
Kerrie Adams, ATA
Paul Jalbert, ATA
Mark Olson, ATA

GRADUATE / DE-GREES

Michael Wilson, Mechanical Engineering
Chris Davis, Software Engineering
Brian Pitman, Software Engineering
Wesley Cothran, Software Engineering
Thomas Knell, Mechanical Engineering

AEDC volunteers build and launch rockets at Polly Crocket Festival



Arnold Engineering Development Complex volunteers recently assisted youth from surrounding counties in building and launching rockets at the 30th Annual Franklin County Polly Crocket Festival. The volunteers from Arnold helped youth construct rockets out of a straw, paper and clay. They then dropped a weighted piston in a cylinder to compress the air, which provides the force to launch the straw rocket. They aim the rocket by controlling the angle-of-launch tube attached to the base which can change the rocket's trajectory. The volunteers determine the distance by the amount of pressure applied in the cylinder. (Photos provided)

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AEDC's POW/MIA Recognition Day a time for reflection

By Raquel March
ATA Public Affairs

Arnold Engineering Development Complex (AEDC) employees gathered on a sunny, cool morning for a ceremony and remembrance walk in observance of the National POW/MIA Recognition Day, Sept. 21, at the Arnold Lakeside Center.

The event was sponsored by the American Society of Military Comptrollers (ASMC).

"This is just one small token of how we can honor

those individuals and families who have been left behind while celebrating those who have returned home," said Kristi Deaton, ASMC second vice-president.

Opening ceremonies began with comments from AEDC's Commander, Col. Raymond G. Toth, and the AEDC Honor Guard supported the event by posting the colors. Denise Counts, an ASMC member, sang the National Anthem and the event continued with Josh Johns, ASMC treasurer, who reflected on

why everyone was there.

Once the ceremony was complete, the AEDC Honor Guard presented the POW/MIA flag to Sara Rozell, ASMC secretary, who began the remembrance walk which giving participants time for reflection.

"We all need to remember those who have fought and continue to fight for our freedoms. We take so many things for granted but an event like this really makes you pause to remember what is important in life. I wish for all of our soldiers to be brought

home and hope that the day brought honor to those missing and the families affected," Deaton said.

ASMC held a T-shirt fundraiser prior to

the event, supporting the Smyrna chapter of Rolling Thunder whose mission is to increase awareness of POW/MIA issues.

ASMC raised more than \$2000 to help fund Rolling

Thunder's efforts of ensuring people never forget.

"ASMC would like to thank everyone for contributions and for making this event a success," Deaton said.



AEDC employees walked around the Arnold Village walking trail at AEDC in observance of National POW/MIA Recognition Day. (Photo provided by Charlie Jenkins)



Members of the AEDC Honor Guard presented the POW/MIA flag at a Sept. 21 AEDC remembrance walk and ceremony. (Photo by Jackie Cowan)



Sara Rozell lead the group and while carrying the POW/MIA flag in observance. (Photo provided by Charlie Jenkins)

AEDC's Junior Force Council host 2012 Sports Day



While Aerospace Testing Alliance's (ATA) Greg Halliburton (center) referees the Arnold Engineering Development Complex's (AEDC) 2012 Sports Day flag football game, Nick Hibdon, an AEDC DOD employee, drops back to throw as he receives blocking from AEDC Commander Col. Raymond Toth. ATA is the support contractor for AEDC. (Photo by Jacqueline Cowan)



(Far right) Brandon Lucy, with AEDC, rushes out of the pocket and away from Fred Rone, who was looking to block Britt Covington (center), Arnold's executive director, during AEDC 2012 Sports Day. (Photo by Jacqueline Cowan)



From the left, AEDC's Marcus Conner, Ben Weaver, Terrance Dubreus, Taylor Swanson, Devon Parker and Mike Lazalier were able to pull off a victory during the tug-of-war contest at AEDC's 2012 Sports Day, hosted this year by Arnold's Junior Force Council. (Photo provided by Charlie Jenkins)



AEDC Junior Force Council's (JFC) Artious Walker, an AEDC employee in the white ballcap, makes his way past Lt. Akshay Tripathi as he goes to sack the quarterback during the flag football game. Walker, who was named the game's MVP, was the point of contact and organizer for AEDC's 2012 Sports Day event. Walker and Josh Meeks, Arnold JFC president, worked together to coordinate and schedule the days' events. (Photo provided by Charlie Jenkins)



AEDC Space and Missiles Ground Test Complex Director Lt. Col. Gregg Leisman (center) spikes the ball on a couple of junior lieutenants during the volleyball competition at Arnold's 2012 Sports Day event. (Photo by Jacqueline Cowan)



From left, Tech. Sgt. Danielle Morris and Staff Sgt. Shara Jackson look to return a serve during a badminton match as part of AEDC's 2012 Sports Day. (Photo by Jacqueline Cowan)

Space shuttle arrives home for one last 'endeavor'

EDWARDS AIR FORCE BASE, Calif. (AFNS) - For the Edwards community who has been actively involved in NASA's Space Shuttle program since flight testing began in the 1970's, it was a bittersweet day when Space Shuttle Endeavour arrived one last time Sept. 20, piggy-backed on NASA's Boeing 747 Shuttle Carrier Aircraft.

When the SCA departed the following morning to deliver Space Shuttle Endeavour to the California Science Center in Los Angeles, Calif., it was an appropriate ending to an epic chapter in American and aviation history that happens to be very personal for so many at Edwards.

While Team Edwards gathered around the base to watch the historic arrival and takeoff, unaccompanied Airmen living in the dorms and family members of deployed spouses had the rare opportunity to get up close to the SCA and Space Shuttle Endeavour.

"I enjoyed being a part of something bigger than me, to look up at something that was actually in space and realize the countless hours and effort that went into putting that in motion. That's what really moved me," said Airman Michael Day, 412th Communications Squadron. "It was cool to see such an iconic piece of history."

For the young Airman, the opportunity to see Space Shuttle Endeavour up close reminded Day of how he was inspired as a child watching the space shuttle with his family.

"I remember growing up and watching various

shuttle take offs and landings with my grandma and wanting to do that. She always told me to do my best and I can be whatever it is I wanted to be; even an astronaut," said Day.

Just as Airman Day continues to be captivated by the shuttle program, people from all over the world have marveled at the country's space program from 1981 to 2011.

While the world looked on in amazement, the Edwards community continued working with NASA to flight test the space shuttle and subsequently functioned as a critical support system when Edwards was picked as the primary alternate landing site.

Programs throughout the 1960's and 1970's such as the North American X-15, Northrop HL-10, X-24A and X-24B, tested hypersonic flight; lifting body designs and aerodynamic characteristics; manned atmospheric re-entry and the ability to land a piloted aircraft with no power on a conventional runway.

The first major milestone for the shuttle program at Edwards occurred Aug. 12, 1977 when the Space Shuttle Enterprise successfully launched from the back of the Boeing 747 SCA and landed on Rogers Dry Lake. After four more tests, Edwards personnel had successfully demonstrated the reliability of the shuttle for routine approach and landings.

"Testing was done at Edwards that proved the concept that a space shuttle orbiter could return to Earth, manned and land on a conventional runway," said Dr. Joseph Mason, Air

Force Test Center chief historian. "That testing was done at Edwards and it was largely done in cooperation between NASA and the Air Force".

According to Dr. Mason, the first four missions flown by the orbiter were flight test missions with landings at Edwards. Although the Enterprise was the first full-scale shuttle, it never went into orbit.

It landed on the dry lakebed and then the runway. After that, the first four or so shuttle missions with Columbia were essentially flight test missions for the program and it demonstrated the systems would work.

April 14, 1981, the Space Shuttle Columbia successfully completed its first orbital mission and touched down on Rogers Dry Lake. It was the first time in history that an orbital vehicle returned to Earth on wings.

One of the early test missions was flown by Joe Engle, who had flown earlier missions in the X-15, earning his astronaut wings for reaching altitudes in excess of 50 miles.

When flight test concluded, Edwards then stepped up to function as an alternate landing site. When the program finally wrapped up in 2011, 54 shuttle landings occurred at Edwards.

"Joe Engle flew one of those early test missions of the shuttle to Edwards, flying it manually. After the concept had been demonstrated, most landings occurred at Kennedy Space Center and Edwards then served as an alternate



An F-35 Lightning II flies over Space Shuttle Endeavour Sept. 20, 2012. The space shuttle landed at Edwards after completing the fourth leg of its ferry flight to the California Science Center in Los Angeles. (Courtesy photo by Matthew Short/Lockheed Martin)

location when the weather was bad," said Mason.

"Not only were the shuttles assembled in the Antelope Valley at Air Force Plant 42 by Rockwell Collins, Edwards was significant in terms of test and development, proving the shuttle's capability. We were key to both development and operations," he continued.

As Space Shuttle Endeavour passed over the

latest Air Force programs, such as the F-22 Raptor and F-35 Lightning II, it offered the community time to reflect on their achievements and instrumental role in the program, but more than that, it provided an opportunity to look towards the future.

"I think it's significant that personnel at NASA and Edwards who were a key part of this program can see this shuttle on the

way to its final resting place," said Mason.

It may have been bittersweet for the Edwards community to watch the shuttle depart the base for one last time Sept. 21, but it's only a matter of time before the testing begins on the next generation of the nation's space program.

It's a time for ingenuity and creativity to create a new program that meets today's challenges.

Natick Center strives to improve combat ration quality, taste

WASHINGTON - The Meal, Ready to Eat could go the way of the World War II-era C-ration and spinoffs of it that the MRE replaced almost 30 years ago.

Jeannette Kennedy and her team at the Natick Soldier Research, Development and Engineering Center here relentlessly pursue the tastier, more universally acceptable MRE. But all the while, she said, they're looking beyond the horizon to consider what's next.

"We are going to be looking at the whole concept of the MRE and whether that is going to

meet future needs," Kennedy, senior food technologist for the MRE improvement program, told American Forces Press Service.

The current MRE menu offers 24 menu choices, four of them vegetarian. A typical MRE ration includes an entrée, bread or cracker item, peanut butter or cheese spread, snack or dessert item, and goodies such as hot sauce, beverage mixes and chewing gum.

"We are going back and evaluating whether that is the way (troops) are going to want to be feeding in the future," Kennedy said.

"Is that what they want in a meal? Is that how they are going to be eating? So we are going back and looking at the whole concept."

That forward focus is part of a continuous product improvement program at the Defense Department's Combat Feeding Directorate, said Michael Stepien, the directorate's program marketing analyst. It's an ongoing quest to raise the bar for combat rations in terms of both selection and quality.

"It's all about making (combat rations) as universally acceptable as possible," Stepien said. "The bottom line is, you can develop a great product, but if (service members) aren't eating it, they are not getting the nutrition they need."

The MRE has morphed considerably since its initial introduction in 1983, with new selections inspired by changing troop palates and technological breakthroughs. Meanwhile, the changing operating environment led to the introduction of the Unitized Group Ration and the First Strike Ration for conventional forces conducting dismounted patrols over extended periods.

Regardless of the type of combat ration, their developers are committed to ensuring they're delivering the best product possible, Stepien said. To be certain they're getting it right, they go to the experts: the Soldiers, Sailors, Airmen and Marines they're striving to please.

Every year, a team of product developers, food scientists, nutritionists and consumer research-

ers travel to field training exercises to hear firsthand what troops think of current combat rations, referred to as the "control group," and some of the most promising prototype entrees. They visited two sites this year, two in 2011, five in 2010, three in 2009 and four in 2008.

During a recent visit to Fort Stewart, Ga., the evaluation team dished up new and prototype MRE rations and collected feedback from troops who rated them on a scale of 1 to 9 based on flavor, texture, odor, color and other characteristics. Another team recently visited Fort Sill, Okla., to get similar reviews of Unified Group Ration menus.

"We're looking to gather data from all sorts of different active military populations, geographically and by service, to make sure we are getting feedback and improving based on information from a wide variety," Kennedy said.

Based on that input, the developers make recommendations to the Joint Service Operational Ration Forum, which meets annually to approve additions and deletions from the combat ration menus.

As a result, several new selections will be added to the MRE menu next year: a jalapeno pepper jack beef patty served with white wheat snack bread, ketchup and yellow mustard; beef taco filling; an oatmeal chocolate chunk cookie; chocolate-filled pound cake; barbecue-flavored almonds; fruit-flavored hard candy; dairy shakes and lemon iced tea.

Gone will be items that troops assigned lower

ratings: beef pot roast with vegetables, sloppy joe filling and cornbread stuffing.

In 2014, production will start on the barbecued shredded beef and vegetarian taco pasta entrees, replacing chicken fajitas and vegetable lasagna. Seasoned black beans will replace refried beans. Potato cheddar soup will be dropped as barbecued corn nuts, pretzel nibblers, toaster pastries, chocolate fudge and a chipotle tortilla are introduced.

Meanwhile, the Natick team continues to explore new MRE menu options. Kennedy called a tomato-based pizza sauce with pepperoni, mushroom and green-pepper pieces, to be paired with Italian bread sticks, a cheese spread, garlic powder and red pepper flakes, particularly promising.

Unified Group Rations will get fresh tastes, too. Thai chicken curry, meatballs and pasta, and Southwest chicken chili are to be added as new entrees during the next two years. They'll replace chicken stir fry, golden barbecue turkey riblets and chicken tamales.

Meg-Emlyn Aylward, a food technologist who manages the Unitized Group Ration improvement program, and her team continue to seek out new breakfast items as they improve on existing ones. "We want to make sure that we're appealing to a large population," she said.

The popular First Strike Ration will expand from three to nine menu offerings, to include the new Mexican-style beef wrap

with cheese and honey barbecue chicken pocket sandwich.

The expansion is the first since the First Strike Ration's debut in 2008, based on popular demand. "The First Strike Ration gets extremely high rating(s) from warfighters," said Stepien.

"Warfighters love it," he said. "They love the fact that it is lightweight. They love the fact that it has less volume than the MREs. They love the fact that it is easy to eat on the move, out of hand, with no preparation required."

The new First Strike Ration menus will include 40 new components, including some of the most popular items in the MRE, said Julie Smith, a senior food technologist who oversees product improvement for the assault and survival rations.

She's already laying plans to use those nine menus as controls while conducting field tests next spring to solicit opinions on four new prototype menus. Among those selections will be a maple sausage wrap that could serve as a breakfast, lunch or dinner food.

"The idea is to continuously improve," Smith said. "We want everything to have high scores, but to ensure that, we need to gather that data to make sure the items are still doing well, and that the warfighter still finds those items acceptable."

Warfighter satisfaction is the goal behind everything the DOD Combat Feeding Directorate does, Smith said. "That's what really drives it for us, to provide them the very best."

Forest Service deactivates C-130 firefighting operations

CHEYENNE, Wyo. (AFNS) - The U.S. Forest Service has deactivated the Modular Airborne Fire Fighting System-equipped military C-130 Hercules as fire conditions in the West have improved.

The 153rd Air Expeditionary Group received the notification late Sept. 14, releasing the two MAFFS planes and crews that were still operating, as well as the associated support and maintenance staff. All crews have reported back to their home stations.

The California Air National Guard's 146th Airlift Wing, and the North Carolina Air National Guard's 145th Airlift Wing each had a C-130 operating out of McClellan Air Tanker Base, Calif., for the last few weeks.

On Sept. 2, two C-130s from the Wyoming Air National Guard's 153rd Airlift

Wing were released from MAFFS operations in Boise, Idaho. Two C-130s from the Air Force Reserve Command's 302nd Airlift Wing were released from duty Sept. 7.

"Although our planes and crews have returned home, we all know MAFFS can still be reactivated well into the fall," said Air Force Lt. Col. Donald Taylor, 153rd Air Expeditionary Group acting commander. "We have had a very busy season and know it's still too early to say the season is over for good."

According to 153rd Air Expeditionary Group officials based in Boise, Idaho, this season has become the second-highest in MAFFS history for gallons of fire retardant dropped, surpassed only by the MAFFS season of 1994 when about 5 million gallons were dropped.

This season, through Sept. 14, the MAFFS fleet released almost 2.5 million gallons of fire retardant during 1,011 drops on fires in 10 states.

MAFFS is a joint Defense Department and U.S. Forest Service program designed to provide additional aerial firefighting resources when commercial and private air tankers are no longer able to meet the Forest Service's needs.

This is the first year since 2008 that all four MAFFS wings had been activated simultaneously, officials said.

As a self-contained aerial firefighting system owned by the U.S. Forest Service, MAFFS can discharge 3,000 gallons of water or fire retardant in less than five seconds, covering an area a quarter of a mile long by 100 feet wide. Once the load is discharged, it can be refilled in less than 12 minutes.

Arnold Golf Course 454-GOLF, 454-FOOD

Check us out on Facebook! Arnold AFB Services Golf Course

Tuesday – Thursday Special: \$10 green fee for unlimited golf. Cart fee not included.

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

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

Arnold Lakeside Center 454-3350

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

First Friday Jam has been cancelled for October but will return Nov. 2.

Friday dining room specials, 5-9 p.m.:

Oct. 5: Fried Catfish, \$9.95 member, \$11.95 non.

Oct. 12: Blackened Tilapia, \$9.95 member, \$11.95 non.

Oct 19: Oktoberfest, \$19 member, \$21 non., \$7.95 age 4-12

Oct 26: Prime Rib for Two, \$29.95 member, \$31.95 non.

Specials are subject to change so please call ahead for reservations and to ensure availability.

October Movie Schedule

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

Oct. 11 – "Brave," rated PG (1 hr. 40 min.) starring voices of Kelly Macdonald, Billy Connolly and Emma Thompson.

Determined to make her own path in life, Princess Merida defies a custom that brings chaos to her kingdom. Granted one wish, Merida must rely on her bravery and her archery skills to undo a beastly curse.

Oct. 18 – "The Amazing Spiderman," rated PG-13 (2 hr. 16 min.) starring Andrew Garfield, Emma Stone and Rhys Ifans.

Peter Parker finds a clue that might help him understand why his parents disappeared when he was young. His path puts him on a collision course with Dr. Curt Connors, his father's former partner.

Oct. 25 – "Dark Shadows," rated PG-13 (1 hr.

53 min.) starring Johnny Depp, Michelle Pfeiffer and Eva Green.

An imprisoned vampire, Barnabas Collins, is set free and returns to his ancestral home, where his dysfunctional descendants are in need of his protection.

Arnold Lakeside Center will host an **Oktoberfest** celebration on Oct. 19 from 6-10 p.m. A traditional menu of jagerschnitzel, bratwurst, sour kraut, german potato salad, regular potato salad, german chocolate cake or cheesecake will be served. Cost is \$19 for members, \$21 for non members and \$7.95 for ages 4-12. Reservations are required by Oct. 15. The Oom-Pah-Sters band will provide live entertainment complete with crowd participation. There will be German beer specials and you may bring your own stein. Call 454-3350 for reservations or more information.

Arnold Lakeside Center welcomes back Pretty Discoveries for a **jewelry fair** Oct. 26 in the A&E building, Café 100, from 8 a.m. to 2 p.m. All jewelry prices are below \$20 and they also carry belts and handbags.

The annual **Chili Cookoff** date has changed to Oct. 26 behind Arnold Lakeside Center (ALC) beginning any time after 10 a.m. Chili must be ready to present to judges by 4:45 p.m. with judging at 5 p.m. Teams entering the event will need to provide all of their own supplies to start, cook and complete their chili entry and plan to make enough to provide samples as well as a batch for final judging. Teams need to be self sufficient and make all necessary arrangements for electrical (if required), tables, chairs, utensils, containers, ingredients, etc. The ALC will provide supplies for the judges and for the attending personnel not affiliated with a team to judge for people's choice. Any ties of any kind will be decided by public coin toss. Power may not be available to contestants so teams need to plan accordingly. Eight foot tables are available to rent from the ALC or Outdoor Rec (454-6084) for \$4 each and must be reserved in advance to guarantee availability. Costumes and booth decorations are encouraged but not required. Official rule sheets are available upon request. Cash prizes, sponsored by Ascend Federal Credit Union, will be given for best tasting (\$200), best tasting runner-up (\$125), most unusual ingredient (\$75) and people's choice voted on by others in attendance (\$100 plus half of voting form sales). People's choice votes are \$3 per person for a voting form entry and includes napkins, cups and spoons for every booth entered in the competition. Call 454-3303 to register your team by Oct. 23. No federal endorsement of sponsor intended.

Last Friday Trivia Contest is 6:30 p.m. Oct. 26 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. Each round teams have two, four and six points to wager before the question. 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.

Day Trip to Lynchburg coming Nov. 17. Plan ahead to come with us on a trip to Lynchburg to visit the town square, Miss Mary Bobo's for lunch then the Jack Daniel's Distillery Tasting Tour. The tasting tour differs from the regular tour in several different ways. It is slightly longer, including some stops not on the regular public tour and the groups are smaller. The biggest difference is at the end there is an opportunity to sample small amounts of the distillery's best-known products: the original Black Label whiskey, Gentleman Jack and Jack Daniel's Single Barrel whiskey. The three samples together total one ounce. We'll start the day at the ALC at 8:45 a.m. First stop will be to get the wristbands for the tasting tour then we will visit the square to take in downtown Lynchburg and the shops. At 12:45 p.m. we will meet at Miss Bobo's for our 1 p.m. lunch reservation. When we are called to our table we will sit down to a real home-cooked meal served family style with plenty of Southern hospitality. After lunch we'll go back to the distillery for our special tour. Cost for this hometown adventure is \$45 and the trip is for ages 21 and older. Call 454-3303 by Nov. 9 to sign up for this event. Remember to wear comfortable shoes and bring extra money for shopping and souvenirs.

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.

Fitness Center 454-6440

Check us out on Facebook! Arnold AFB Services Fitness Center

The Fitness Center will be open **5 a.m. – 6 p.m. Oct. 8** for the Columbus Day holiday. Classes will be held as normal.

The **Cool 100 Walk/Run Incentive Program** runs Oct. through Dec. Participants log their miles using the honor system. Participants may use the track located behind the A&E building, the trail behind the Fitness Center, a treadmill in the Fitness Center facilities or at home. These miles are to be turned in either daily or weekly. All who complete 100 miles will receive a t-shirt. Call 454-6440 to sign up and remember to give your shirt size.

The **5 Card Draw Run/Walk** will be Oct. 17 on the Fitness Center trail. Complete the trail anytime between 8 a.m. and 4 p.m. and pick up five cards along the way. Bring the cards, unopened, to the Fitness Center where they will be opened and recorded. The top three hands of the day will receive prizes.

Group Class Schedule:

Hours of operation

Arnold Lakeside Center: Catering/Management offices by appointment. Cashier Monday through Friday 9 a.m.-4 p.m. Dinner: full menu available Thursday 5-8 p.m., Friday and Saturday 5-9 p.m.; Main Bar Thursday 5-8 p.m., Friday 4-10 p.m. and Saturday 5-10 p.m.; Social Hour Friday 4-6 p.m., Movie Night Thursday 6:30 p.m.
Information, Tickets & Travel (ITT): Tuesday through Friday 10 a.m. – 3 p.m.
Café 100: Monday through Friday 6:30 a.m. – 1:30 p.m. **Closed Oct. 8**
Barber Shop: by appointment – Monday, Tuesday, Thursday & Friday 8 a.m. – 4 p.m. **Closed Oct. 3-8**
GLC: Monday through Friday 7 a.m. – 3:30 p.m. May vary depending on bookings. **Closed Oct. 8**
Outdoor Rec: Tuesday through Sunday 8 a.m. – 6 p.m. FamCamp Store: Friday through Sunday 12-4 p.m.
Fitness Center: Monday-Friday 5 a.m.-7:30 p.m.; Saturday 8 a.m.-1 p.m.; Sunday Closed. **Open 5 a.m. – 6 p.m. Oct. 8, classes held as normal**
Arnold Golf Course: Pro Shop & Driving Range 8 a.m. – dusk; 7 a.m. – dusk. Driving Range open 24 hours with prepurchased key card. Mulligan's Coffee Bar & Grill Monday through Friday 10:30 a.m. – 2 p.m., Saturday and Sunday 8 a.m. – 2 p.m.
Recycling: Monday through Friday 7 a.m. – 4 p.m. **Closed Oct. 8**
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. **Closed Oct. 8**

Boot Camp Monday, Wednesday and Friday 6-7 a.m.

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

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

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

Outdoor Rec (ODR) 454-6084

Check us out on Facebook! Arnold AFB Services Outdoor Recreation

Paintball continues with regular play every Saturday except third Saturday which is tournament day. Paintball is for ages 10 and older and ages 10-17 must have a parent permission form. Remember to wear appropriate clothing – long pants, a long-sleeved shirt and closed-toe shoes.

Regular Saturday play is every weekend from 9:30 a.m. to 2:30 p.m. except third Saturday due to monthly tournaments. Those interested need to call and sign up at least a day ahead of time to ensure equipment availability. When the day arrives, simply meet at the paintball field and get play underway with the direction of an Outdoor Rec (ODR) staff member. Cost is \$35 per person with equipment provided and includes 500 paintballs and a tank of air. It is \$20 per person for those with their own equipment and that also comes with 500 paintballs. All paintballs used must be purchased from ODR for \$13 per bag of 500 or \$45 for a box of 2,000.

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

registration/cancellation fees will be applied the Wednesday prior.

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

Outdoor Recreation has planned a **Fright Fest at Crockett Cove** for Oct. 27 beginning at 6 p.m. All ages are invited to come in costume for a bonfire where we will roast hot dogs and make s'mores. There will be four categories in both adult and child (age 12 and under) for the costume contest – scariest, funniest, most famous and best overall. Adults will win \$25 in Services Bucks for each category and prizes will be given in the children categories. Prizes will be awarded at 6:30 p.m. Remember this is a family event so costumes should be suitable for all ages. Following the costume contest there will be a movie, "Casper," on the outdoor screen so bring your blankets and chairs. For those daring souls, there will be a spooky trail through the woods starting at 8 p.m. Please note there will be some scary elements along the trail that may not be suitable for younger children. Cost for the entire evening of fun is only \$5 for ages 13 and older. Age twelve and under may attend for free. Soda and water will be provided and beer will be available for purchase. Call 454-6084 to sign up for this event by Oct. 25.

FamCamp outdoor movie night. FamCamp guests will be able to enjoy an outdoor movie for free beginning at 7:30 p.m., Oct. 13. Bring your chairs or blankets to the open grass area behind the upper bathroom. The movie will be "Snow White and the Huntsman" starring Kristen Stewart, Chris Hemsworth and Charlize Theron. In a twist to the fairy tale, the Huntsman ordered to take Snow White into the woods to be killed winds up becoming her protector and mentor in a quest to vanquish the Evil Queen.

Archery Basics Class will be Oct. 20 for ages ten and older. The class is \$3 and will begin at 9 a.m. The deadline to sign up is three days before each class. There must be at least three to take the course and no more than 12. This class will teach the basics of archery to include how to hold a bow properly, how to shoot with correct technique and also learn some history. Bows, arrows and targets will be provided but you may bring your own equipment if you have it.

Extended Stays avail-

able at FamCamp. The FamCamp is a wooded area off of Northshore Road on the banks of Woods Reservoir with tent and RV camping. Amenities include bathhouse with shower, barbeque grills, fire rings, lantern hangers, boat launch pad, picnic and beach area, covered pavilion as well as washer/dryer service and boat docking service. There are 18 tent sites and 36 RV sites, 15 of which are pull-through. All RV sites are equipped with 30 and 50 amp, 115V service. Daily rates for RV camping are \$20 during the summer and \$15 during the winter (Nov.-Apr.). Did you know that you can stay for up to three months at FamCamp? Monthly rates are \$450 during the summer and \$400 during the winter. Sites 27-36 are designated for extended stays. Extended stays are only allowed in three month increments and there must be a one month gap between stays. Reservations may be made up to 45 days in advance for active duty, National Guard and Reserve military. Up to 40 days in advance for military retirees and up to 30 days for DoD employees. All others may make reservations up to 20 days in advance. Tent camping is available at \$7 daily. Washer/Dryer service is \$2 and boat docking is \$5. A convenience store is open 12-4 p.m., Friday through Sunday, May through October and open Mondays if in conjunction with a holiday weekend. Other camping is available at Crockett Cove and Dogwood Ridge. Crockett Cove offers five rustic cabins with heat and air, mini fridge, microwave, front porch swing, grill and picnic table. There is no running water but a bathhouse is on site. The one or two room cabins rent for \$40/\$50 per day during the summer and \$30/\$40 during the winter. Dogwood Ridge consists of six travel trailers with water, sewer, electric and propane complete with deck, picnic table and chairs. The trailers rent for \$40 daily, \$75 for two days or \$200 per week. Extended three month stays are also available at these areas. Call Outdoor Recreation at 454-6084 for more details or to make reservations.

RV and Covered Boat Storage slots available. Outdoor Rec has eight open slots available in the RV storage yard. Each slot is 30 ft. long and 10 ft. wide and rents for \$25 per month or \$250 per year. The covered boat

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Prepared for the fight

KUNSAN AIR BASE, Republic of Korea - (AFNS) - When disaster strikes an Air Force base, whether a typhoon or an enemy attack, the mission must go on.

Emergency management specialists at Kunsan Air Base develop plans to make sure Airmen here will keep the mission going, no matter what happens.

"Keeping everyone trained and ready is extremely important," said Master Sgt. Jay Moreau, 8th Civil Engineer Squadron emergency management NCO in charge and installation emergency manager. "If the chemical threat from North Korea was to become a problem, training

would prevent anyone from becoming an unnecessary victim."

Within just days of arriving at Kunsan, each new Wolf Pack member is issued both training and real-world chemical gear before undergoing base-specific training. The emergency managers stay busy making sure everyone is up to speed and knows all about chemical, biological, radiological and nuclear threats.

"In a stressful environment, training is what you fall back on," said Senior Airman John Gaylord, 8th CES emergency management journeyman. "It can be hard to think while wearing all that gear, so you'll perform better if you are com-

fortable with your training."

During exercises, they oversee the emergency management support teams (EMST) and shelter management teams (SMT). The EMSTs are responsible for checking liquid detection points in each chemical zone for contaminated M-8 paper. The SMTs process people entering secure facilities and contamination control areas.

For both real-world and exercise scenarios, the emergency managers use a large arsenal of technical equipment when responding. From joint chemical agent detectors which identify the type of contaminant to radiation level detectors, the equipment is vital in pinpointing the problem.



Staff Sgt. Ashley Bartlett, 8th Civil Engineer Squadron emergency management journeyman, demonstrates how to use a chemical identifier Sept. 24, 2012, at Kunsan Air Base, Republic of Korea.

OSI introduces new smartphone anonymous tip line

QUANTICO, Va. (AFNS) - The Air Force Office of Special Investigations has opened its first anonymous tip line that allows submissions from the Internet, via SMS (texting) or using a smartphone application.

The application was created in order to capitalize on cyberspace and engage the Air Force community more effectively, officials said.

"This tool will allow anyone to provide OSI with completely anonymous tips on everything from illegal drugs, theft and terrorist activities to potential insider threats," said Special Agent Daron Hartvigsen, OSI Cyber Investigations and Operations. "Even better, the online and app versions allow individuals to send in photos."

The application also allows for agents to request more information from the concerned tipster without jeopardizing the tipster's anonymity. All three avenues allow the tipster to check on the results of their tips.

The direct link to the anonymous Internet tip line is <https://www.tip-submit.com/WebTips.aspx?AgencyID=1111>.

Individuals can find the app in both the Android and Apple store as Tip-Submit Mobile. They can also send in tips by texting 'AFOSI' and their tip to 274637 (CRIMES).

To download a trifold with detailed instructions on the program, see this link: <http://www.osi.af.mil/shared/media/document/AFD-121001-036.pdf>.

AEDC observe POW/MIA Recognition Day



AEDC employees wore POW/MIA T-shirts in observance of National POW/MIA Recognition Day. The T-shirts were sold for fund-raising efforts in support of the Rolling Thunder organization, Smyrna, Tenn. chapter. Rolling Thunder's mission is to ensure individual awareness of POW/MIA issues. (Photo provided by Charlie Jenkins)

Do your part – Please recycle this paper after reading!

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

Outdoor Rec inflatables. There is an assortment of inflatables for almost everyone's needs. We have a huge backyard obstacle challenge measuring 40'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!

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

**Wingo Inn
454-3051**

Check us out on Facebook! 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.

**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 the 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 931-454-4003.



AEDC Information Line
454-3600
The AEDC Information Line is available for ATA employees to get the latest information on a wide variety of emergency circumstances that could impact base operations or driving conditions.

