



HIGH MACH

Serving the World's Premier Flight Simulation Test Center



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AEDC reacts to first F-35 JSF weapons suite flight test

By Philip Lorenz III
Technical Writer

A Lockheed Martin F-35 Lightning II flight test aircraft flew for the first time April 20 to validate the F-35A conventional takeoff and landing (CTOL) variant's weapons suite.

The jet, piloted by Jeff Knowles, a Lockheed Martin F-35 test pilot, took off from Naval Air Station Fort Worth Joint Reserve Base, Texas and flew for one hour.

David Anderson, an ATA flight systems branch test engineer, upon learning of the flight, reflected on his involvement with the 5th generation fighter and its associated weapons systems.

"My association with the F-35 Joint Strike Fighter (JSF) program dates back to the first wind tunnel test planning meetings in 1998," he recalled. "Since that time I have conducted and assisted on 10 JSF Captive Trajectory Support (CTS) wind tunnel tests at AEDC."

Like most ground-testing efforts, Anderson said working with the F-35 program had its share of challenges.

"The small internal weapons bays required new balance and sting designs that would allow testing various store models inside the weapons bay environment," he said. "Another challenge included accounting for the myriad of hardware

components required to simulate the geometry of each aircraft variant (CTOL, STOVL, and CV) tested at AEDC. Often, multiple aircraft variants were tested during the same test entry."

Anderson said every test entry provides learning opportunities for those involved in a project of this complexity.

"One of the more interesting technical aspects of the test program involved the determination of an optimally designed external fuel tank," he said. "With the aid of some pretest CFD [computational fluid dynamics] analysis, [a specific] fuel tank geometry was tested and proven to reduce the overall aircraft drag below the levels documented using classic tank geometries.

"However, my strongest impression from the F-35 Joint Strike Fighter Program was the

test team that I got to know," he continued. "From the engineers at Lockheed [Martin] Fort Worth to their international partners from Australia and Norway, I was surrounded by the world's best—we became family."

Anderson added, "I am very proud of the work that we accomplished on the F-35 Program in the Tunnel 4T at AEDC over the past 10 years. The individual tests were long and complex, and in most cases, required the unique capabilities and expertise available only here at AEDC. I believe that through our commitment to meet the customer's expectations, we delivered a product second to none."

The flight test aircraft, designated AF-2, will be used to verify the F-35A's ability to

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ATA receives award fee score

By Kathy Gattis
ATA Public Affairs Manager

The Air Force announced an award fee rating of 94 for the AEDC's operating contractor, ATA, for the period October 1, 2009 through March 31, 2010.

The award fee determining official, Gen. Wendy Masiello, gave the contractor high marks with excellent ratings in each functional area evaluated.

"Once again our work force did a great job," ATA General Manager Dr. David Elrod, said. "It is only the second period in ATA's contract in which all individual award fee metrics were 'very good' or 'excellent.'"

Elrod said the company will continue to share the award fee money with employees.

ATA was awarded the center support and testing contract on June 30, 2003. The operating contract is for up to 12 years and worth potentially \$2.7 billion. ATA currently employs more than 2,118 people from 15 Tennessee counties and four states.

ATA is a joint venture of Jacobs Engineering, Computer Sciences Corp. and General Physics Corp.

For more information about AEDC, visit the center's Web site at www.arnold.af.mil



ATA bans all cell phone use while driving on base

By Shawn Jacobs
ATA Public Affairs

ATA has revised company policy to prohibit employees from using cellular phones, in both the hands-free and non-hands-free mode, while operating a motor vehicle within the AEDC fenced area. The policy also applies to other communication devices, such as PDAs and two-way radios and also prohibits e-mailing and texting.

The new policy does not apply to Air Force personnel, who are currently allowed to use phones in hands-free mode while driving, or police and fire personnel while conducting official business. It adopts the policy of Jacobs Technology, one of the ATA partners, in prohibiting use of the devices while operating a company- or government-owned vehicle at any location or conducting company business via cell phone while operating a personally owned vehicle, even off base and on personal time. Use of the devices is limited to when "the vehicle is stationary and in a safe location off the roadway," according to the policy.

ATA Deputy General Manager Steve Pearson said one reason for the new policy is the number of crosswalks on base and the possibility of a motorist using a cellular telephone not seeing a pedestrian.

"We have crosswalks that are not protected by traffic lights or stop signs, and people have the ability to step off curbs and expect motorists to stop," Pearson said. "They could step out thinking that you're going to see them and stop, and if you're talking on the telephone you possibly could miss seeing them."

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"The other electrical hazard"

AEDC's arc flash safety program gets high marks

By Philip Lorenz III
Technical Writer

An arc flash can happen in less than a thousandth of a second, causing substantial damage, fire and death.

A dramatic example of this phenomenon is a lightning strike, as often seen during a thunderstorm. Equally dangerous is the type of arc flash that can occur at industrial complexes like AEDC.

An arc fault happens when electric current flows through air gaps between conductors. Equipment failure and accidents, like touching a test probe to the wrong surface or a slipped tool, are the most common causes of an arcing fault. Arc flash is caused by uncontrolled electrical current traveling through the surrounding air which is then ionized into plasma.

The heat energy and intense light at the point of the arc is called arc flash. Arc faults are extremely dangerous and potentially fatal to personnel. The product of arc fault current and voltage concentrated in one place results in enormous energy released in several forms. Arc fault generates large amounts of heat that can severely burn human skin and set clothing on fire. Temperatures at the arc can reach higher than the temperature of the sun's surface.

The arcing faults also produce large shock waves that can blow personnel off their feet. The other exposure risks to arcing faults include flying debris, severe sound waves, shock hazard due to touching energized conductors, etc.

Tom Carpenter, manager of ATA's Electrical Systems Engineering section, said it was only within the last few years that the danger posed by this phenomena was fully recognized and an effort put forth to address it throughout the electrical industry.

Approximately six years ago, John Miller, ATA's deputy general manager at the time, tasked Carpenter and others on his team to put together a plan for an arc flash safety program for ATA and later the Air Force's upper management to assess.

Tommy Kirk, an electrical system lead with the 704th Civil Engineering Squad, said Carpenter and the others on the team have accomplished a lot since the program began.

"We have one of the best arc flash safety programs in the Air Force," Kirk said. "It's still ongoing. We're making improvements in the system; we're lowering hazards everywhere."

Kirk said AEDC is unique due to its electrical system requirements for ground testing and the infrastructure that supports the mission.

"We probably have the largest 480-volt system in the Air Force," he said. "We have several thousand 480-volt breakers on base."

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Tom Dimon, ATA electrician, performs high voltage maintenance. He is wearing an array of personal protective equipment, including a hard hat with arc flash hood which covers his head and face, high voltage gloves with leather protectors, and an arc flash overcoat. He is using a high voltage hot stick with a high voltage meter on the end to see if this circuit is hot. The line he is working on is rated at 13,800 volts. (Photo by Rick Goodfriend)

Command moves forward with restructuring plan

AFMC Public Affairs Report

Wright-Patterson AFB, Ohio – Air Force Materiel Command officials notified center commanders May 11, that Air Force headquarters has approved converting the command structure from wings, groups and squadrons to directorates, divisions and branches. The targeted implementation date for these organizational changes is June 30.

The decision to standardize the size of wings, groups and squadrons was announced by Secretary of the Air Force Michael Donley and Chief of Staff Gen. Norton Schwartz in a service-wide memo Sept.

3. The memo, signed by both leaders, makes clear that realigning organizations under a directorate/division/branch structure is driven by one of five goals from the Acquisition Improvement Plan the secretary and chief announced in May 2009.

The full text of the memo is available online at www.af.mil Gen. Donald Hoffman, AFMC Commander said this change will involve a total command-wide effort, but it will generate several benefits. Furthermore, AFMC planners said the realignment is not a simple return to organizational designations AFMC officials once used before they adopted the wing structure. The goal

that underlies the realignment is to establish clear lines of authority and accountability within acquisition organizations, according to the secretary's and chief's memo.

The e-mail notification to center commanders included an extensive list of wings, groups and squadrons that will be either inactivated, activated or re-designated.

The move follows an Air Force senior leadership decision to standardize the size of wings, groups and squadrons across the Air Force. Wings now must contain 1,000 or more members; groups, 400; and squadrons, 35. As a result, many wings, groups, and squadrons at AFMC Centers will be inactivated, and replaced

by new directorates, divisions and branches, which do not have mandatory minimum manning thresholds.

"Most of our acquisition units were not large enough to maintain the appropriate wing, group and squadron designations," Gen. Hoffman said. "Combining units to meet the size thresholds would have been major surgery and would have buried senior acquisition leadership at the squadron level or below."

Along with changing from wings to directorates, Air Force officials have also created several new program executive officer slots. PEOs, senior

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HIGH MACH

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An Air Force Materiel Command Test Center

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The center's vision: AEDC as the test center of choice, the workplace of choice for our people and a model of environmental excellence.



Vision

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

Core Values

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



Core Values

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

What are you looking for?

By Senior Master Sgt. James Herkel
62 Security Forces Squadron

Joint Base Lewis-McChord, Wash. (AFNS) - I can't count the number of times since 9/11 that I've scanned through the base paper, watched the commander's access channel, or glanced at the marquee inside the main gate and read this notice: "Report suspicious activity to security forces or OSI."

Great idea; but what does it mean, exactly? Report what?

Over the years, our enemy has taken many forms.

During my career, the "enemy"

I've been conditioned to fight against has taken the form of Russian Spetsnaz, Balkan sniper, North Korean special operation force, international terrorist and any number of anti-American/anti-coalition bad guys or gals.

Of course, most recently the focus has been on the insurgency in Iraq, the Taliban in Afghanistan and Pakistan, and state-sponsored terrorists in those areas of operations.

While I believe very strongly that the task of dispatching these adversaries is in good hands, I have concerns with the well-concealed, rogue sympathizers of our worldwide enemies that exist right under our noses.

In targeting our people, assets and missions, this enemy has the advantage of knowing when an attack will occur.

This enemy also benefits considerably from the ability to collect information and intelligence on the Internet.

Not so long ago, enemy forces had to conduct surveillance at the target; thereby exposing themselves to our observation.

Today, however, most of the information they need to plan an attack is readily available on the Internet including blogs, maps, imagery and pictures.

But they still need some help getting their hands on those last few puzzle pieces in order to get the full picture required to complete the attack. It's in their efforts to find these pieces that they must expose themselves, and it's then we must be alert to stop them. It's a challenge, one we all own a piece of and a difficult charge, for sure. Our enemy only has to get it right once; we have to get it right all the time.

When the "Fort Dix Six" were arrested in May 2007, it was revealed that less than a year prior these individuals targeted Dover AFB, Del., among other military facilities in the northeast, but later indicated that Dover was "too difficult of a target."

Until this incident there was little hard proof, beyond prudent speculation, that we were doing all the necessary things to protect our installations, facilities, personnel and missions. Most importantly, though, these enemies validated that we are, in fact, on the terrorists "wish list."

Back to the original issue, exactly what will the suspicious activity look like that I'm supposed to report?

To complete the puzzle, the enemy will likely conduct ELICITATION, which is to say they will cleverly ask questions,

either in person, by telephone or email phishing, to learn about our security processes, location of critical assets or whereabouts of high-payoff targets.

The enemy will conduct SURVEILLANCE around the installation or facility, especially at entry control points and vehicle search areas in order to plan the best method of infiltration.

This will almost definitely involve the use of devices such as binoculars, cameras or even sketching material.

The enemy may conduct TESTS OF SECURITY such as "innocently" probing fences, gates or even work centers to determine security responses or to identify vulnerabilities.

CONDUCTING REHEARSALS, ACQUIRING SUPPLIES and DEPLOYING ASSETS will also occur but will be much harder to detect.

So, what are you looking for?

Nobody understands what's normal around our installations and work centers better than each of you.

Supervisors at all levels should be able to describe to their subordinates exactly what is meant by "suspicious activity."

When abnormal, "suspicious" events occur, especially those that are potentially acts of elicitation, surveillance, tests of security, rehearsals, acquiring supplies, or deploying assets, call the security forces office or your local Air Force Office of Special Investigations.

Hopefully, those numbers are already loaded in your phone!

Failsafe Ask 'what if' before doing daily activities

By Lt. Col. Robert Garner
341st Missile Wing Safety Office

Malmstrom AFB, Mont. (AFNS) - Failsafe is a term that is embedded into our strategic heritage, but it is also a term that can be easily misunderstood and misapplied.

Knowing how to plan operations and design materiel so that it fails in a safe mode is a vital capability that is needed in all, but especially nuclear, operations.

Failsafe is defined by Merriam Webster as: "incorporating some feature for automatically counteracting the effect of an anticipated possible source of failure; being or relating to a safeguard that prevents continuing on a bombing mission according to a preconceived plan; having no chance of failure: infallibly problem-free."

How do you know an operation or system is failsafe?

One technique is to use a "what if" analysis. Look at the procedures, go through each step and ask at each step, "What if it fails here?"

If the answer is a mishap, then that step is not failsafe and you can eliminate the problem by modifying the device.

An example of this is the Otis elevator brake. Prior to the Otis device, if an elevator's cable broke, the elevator fell to the bottom of the elevator shaft.

This is not a good failure mode. As such, Elisha Graves Otis invented an elevator brake that automatically engages when the cable breaks. This is a prime failsafe example. When the cable fails, the elevator stops safely.

Other failsafe techniques involve modifying procedures. United States Navy doctrine instructs pilots to land airplanes on carriers under full power.

The reason for this is that in order to stop on a carrier, an aircraft has a tail hook that must catch a cable attached to the deck of the carrier.

If that cable breaks, or if the hook misses all the cables and the aircraft isn't under full power, it will likely crash into the ocean.

By being under full power upon landing, an aircraft has the ability to climb to safety. This ensures that if either the cable or the pilot's skill to catch the cable fail then the failure mode is a safe one - climbing to safety rather than going into the sea.

Some things we do when trying to create a failsafe system actually don't serve a failsafe purpose.

For example, while inspections and audits are often the first things we do to try and prevent mishaps, they often do not really make things failsafe.

If we refer to the elevator example, depending on how frequently the elevator is inspected, inspecting the

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Expanded digital access requires same common sense by users

By Master Sgt. Keith Houin
U.S. Air Force in Europe PA

Ramstein Air Base, Germany (AFNS) - Social networking sites are open to Air Force servicemembers and employees in the workplace. This change to policy has raised many questions about using social media officially and personally in the workplace.

When you get right down to it, however, little has changed. The rules established for Internet use at work are no different than before Air Force officials opened access to social media sites.

The guidance provided in the recently updated Air Force Guidance Memorandum, Responsible and Effective Use of Internet Based Capabilities is just as true for visiting commercial Web sites for personal use on government computers as for using Internet-based services to access social media on those same computers.

What you can or can't say really hasn't changed, either. Guidance found in the 35-series AFIs still offers the primary guidance for public release of information and covers official Web management policy.

Though little has changed in the rules, the tools have come a long way from the early days of government commercial Internet use. In the earliest days of the Internet, forums and bulletin boards were popular ways of sharing information, but they took time to connect, download and upload. Use was limited to people who understood computers.

Today's social networking arguably has become the fastest way to disseminate and share a variety of information. The exchange of information is nearly instantaneous. Its accessibility and speed allows us to fire and forget without much thought as to what we say or do.

From a personal standpoint, you may say something that upsets someone or post personal information you may not have really wanted to share. From a professional and official standpoint, this can be dangerous and could cause problems for people far removed from the initial post.

There are more than a few common-sense tips to remember that can help keep people out of trouble in the social networking world, and at the same time help tell the Air Force story

while communicating with family and friends.

Most importantly, think about what you say before you say it. Your words live forever on the Internet.

Everything that applies to other forms of communication applies to the Internet social networking atmosphere as well. Simply think of all the annual briefings you get about operations security, political activity, privacy act and other topics. Ask, "Is this allowed in other forms of communication?" If you aren't sure, it's a good bet you should get additional guidance before posting to a social networking site.

We're proud of our profession and want everyone to know that we're part of the Air Force, but putting your rank and your name in your profile on a social networking site has some unintended implications.

A Facebook page with the user name "Chief Master Sgt. J. Suchnsuch" is likely to be viewed as an official site. The same page with the username of "J. Suchnsuch," and profile information that includes rank and position is much less likely to be viewed by the public as official.

Using social networking sites wisely comes down to

common sense, responsibility and accountability.

Before you post anything to social networking sites ask these simple questions:

1. Am I violating any rules?
2. Is this a responsible comment to make?
3. Am I willing to be accountable for the comment?

If you answered, "no," "yes," "yes," then it is likely you are on the right track. If you weren't sure when answering, you need to become familiar with the social media "rules of the road."

Social Media "Rules of the Road"

What can I do on these sites?

- DO use the sites to help demonstrate the mission: we don't know the best application yet - MAKE IT!

- DO be creative: use this forum as a way to build relationships and new ways to operate

- DO get engaged online: the enemy is living here already; it's time for us to show our side of the story

- DO use your best judgment: in the end you're responsible for what you say and the image you present

- DO communicate: the

See **SOCIAL**, page 8

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. Michael Panarisi
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://lpapro.arnold.af.mil/PORTAL/images/Smoking_area_map.pdf. Smoking near a facility in an area not designated on the map is prohibited and any smoking receptacles located in areas not shown on the map will be removed. All "smoking permitted" and "no smoking" signs will be removed unless specifically required by OSHA.

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

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.

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 personnel volunteer to aid flood victims

By Jason Austin
AEDC Public Affairs

More than 50 AEDC team members volunteered their time to help those impacted by the flooding in Nashville after the AEDC Commander, Col. Michael Panarisi, declared the Nashville disaster relief locations an alternate place of duty for Department of Defense employees.

"I traveled through the flooded areas on (May 2) and saw firsthand how quickly the situation was deteriorating," Colonel Panarisi said. "I knew we would be called upon to help, and I was eager to get back to the base and unleash the talent at AEDC."

The call for help finally came to the 704th Communications Squadron on the Wednesday after the record rainfall.

The Tennessee Emergency Management Agency wanted to expand their communication abilities to Montgomery and Stewart counties, but didn't have any additional communication technicians to make it happen.

Enter Brent DeSalvo, an ATA employee who spent two days supporting the TEMA request. The work consisted of alignment, programming, and interfacing four repeaters.

"To do this we had to create the interfacing cables and develop the logic between each component correctly so that the controllers and the repeaters function as a unit," DeSalvo wrote in an e-mail. "Once these units were completed and in service TEMA could then extend their coverage for communication back to the state emergency operations center."

Meeting communication needs was also one of the first volunteer efforts undertaken by members of Team AEDC when Master Sgt. Donna Paredez and Tech. Sgt. Jamie Johnson traveled to Nashville to work in the Disaster Information Center.

Sergeants Paredez and Johnson opened the volunteer flood gates when Colonel



The Federal Women's Program teamed with the American Society of Military Comptrollers to conduct a base-wide drinking water donation drive for the Nashville flood victims. A total of 132 cases and 31 gallon jugs of drinking water was donated to the Metropolitan Nashville Office of Emergency Management. (Photo by Rick Goodfriend)

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Another reason for the change, according to Pearson, is the large number of slow-moving vehicles on base. Since AEDC is an industrial site, forklifts, lawn mowers, Gators and other small vehicles share the road with automobiles, which also compete for motorists' attention.

Pearson said a third reason for the policy is the hope that employees will adopt the safety habit when they are off work.

"Most elements of our safety program are applicable for both work and home," Pearson said. "This is one special initiative we want employees to take home and discuss with their spouse and children about the dangers of being on the cell phone."

The danger of talking on a mobile telephone while driving was illustrated by a recent traffic stop made recently by Arnold Police, Pearson said.

A Franklin County Sheriff's Department dispatcher advised of a possible intoxicated driver on Wattendorf Highway traveling in the direction of I-24. Arnold Police Officer Benton Brown spotted the vehicle more than halfway in the opposite lane of traffic. While following the vehicle, it crossed the double yellow line twice more before he initiated the stop.

Brown said the driver, a man not affiliated with AEDC, was not intoxicated but was having a heated phone conversation with his mother.

Panarisi forwarded their e-mail message to the DoD work force and authorized the staff to head up to Nashville to lend a hand.

As the base mission permitted, staff members logged volunteer hours through Hands on Nashville and other similar volunteer organizations.

The efforts ranged from sorting clothes and food donations to helping residents gut their homes. The volunteer effort was both individuals and group efforts with the Directorate of Personnel, 649th Test Systems Squadron, 650th TESS and 704 Mission Support Group each sending a team.

Additionally, two professional organizations on base, the American Society of Military Comptrollers and the Federal Women's Program, teamed up to collect bottled water from AEDC employees and delivered the donations to the flood relief effort.

"Cleanups like this will go on long after the initial aftermath," said 2nd Lt. Alex Henning, 718th Test Squadron, who helped gut homes. "People who are physically able should keep this type of volunteer work in mind; their ability can definitely be put to work."

See FLOOD, page 5

ATA's ID2 assists Nashville resident clean up

On May 18, a group of ATA personnel from ID2 Investments donated a vacation day to participate in the cleanup effort for people affected by the recent flooding in middle Tennessee.

David Milleville, manager for ID2, organized five others in his department and signed the group up to "tear out walls, floors, kitchen cabinets, etc."

While planning for the day, Milleville networked with others at AEDC who had previously volunteered a day of labor.

Milleville and his crew chose a Nashville area address where a woman had lived for 40 years.

She had already lived through one disaster when her home had to be rebuilt after a fire 20 years earlier. Her insurance paid for the rebuilding then, but like so many other flood victims she did not have flood insurance and is now facing the monumental task of trying to rebuild her home, and life, from scratch.

The volunteer effort was coordinated through Hands on Nashville.

Eleven people were scheduled for this effort, but when the six from ATA showed up they found that only one of the additional five volunteers was going to be there.

Not to be deterred, the group from ID2 drug out their hammers, pry-bars,

"I considered the manner in which the driver was operating the vehicle to be dangerous to himself and the public," Brown said. "The manner in which he was

driving could have caused a head-on collision and injured himself and others."

Brown said he advised the driver that he could have been arrested for reckless endangerment due to his carelessness but let him off with a verbal warning for inattentive driving.

"The driver apologized for his driving and stated that he would not be back on the phone and would finish his conversation when he got home," Brown said.

Brown, who has been a policeman for eight years, said he has made numerous similar stops, thinking a motorist was driving under the influence when the subject was actually just involved in a phone call.

"The comparison to drunk drivers and drivers on cell phones is very similar in that both situations take your mind off of the road, which isn't good," Brown said.

"That particular stop on that day probably proved beyond the shadow of a doubt what we've been trying to say, that people using cell phones are as much a danger as people driving under the influence," Pearson said.

According to Pearson, the policy change will be implemented this month.



2nd Lt. Alex Henning took these photos at the house he helped clean up. The house, which was located on River View Drive near the Bellevue area, is right on the Cumberland River. The stretch of about 15 houses had water into the second story. The lieutenant helped gut the house of everything but the framework on the water-damaged first floor. Everything has to be removed to prevent mold and discourage rotting. (Photos by 2nd Lt. Alex Henning)



Brent Morris removes dry wall from a house affected by flood waters in Nashville. Morris, along with other ATA personnel from ID2, volunteered their time to help residents clean up after the flood. (Photos by Fred Hutchinson)

crow-bars, wheel barrows, shovels and personal protective equipment and went to work.

According to Milleville, the water line from the flood almost reached the top of the doors, slightly more than six feet up the walls, and had remained above the floor line for more than a week.

"Family members and church workers had already cleared out all the furniture, appliances, carpet, clothing and personal items," Milleville said. All that was

left were the walls, floor and kitchen cabinets."

"All the drywall on the walls was covered in mold. It took until noon to pull it all down and haul it, along with the wall insulation, out of the house and to the curb."

After all the walls had been stripped down to the bare studs it was time to tackle the floor. Milleville said what

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Weapons from page 1

carry both internal and external weapons throughout the required flight envelope. The jet is also the first F-35 to have the internal GAU-22/A 25-millimeter gun system installed. The system, featuring a four-barrel Gatling gun which fires at a rate of 3,000 rounds per minute, is made by General Dynamics Armament and Technical Products in Burlington, Vt.

Gun testing on AF-2 will be used to confirm predictions of gun vibration, acoustic and recoil loads with the aircraft and various weapons. Additionally, the aircraft will be used to confirm vibro-acoustic loads with the weapons-bay doors open and closed with various weapon configurations. The measurements will validate the structural design of the jet, and provide evidence of the F-35A weapons' compatibility with gunfire and weapons-bay environments.

Supersonic launch of internal weapons, including maximum-speed (Mach 1.6) launch of internal air-to-air missiles, is a feature of all F-35s.

The F-35 Lightning II is a 5th generation fighter, combining advanced stealth with fighter speed and agility, fully fused sensor information, network-enabled operations, advanced sustainment, and lower operational and support costs. Lockheed Martin is developing the F-35 with its principal industrial partners, Northrop Grumman and BAE Systems. Two separate, interchangeable F-35 engines are under development: the Pratt & Whitney F135 and the GE Rolls-Royce Fighter Engine Team F136.



In 2007, ATA Outside Machinist Jim Lynch makes adjustments to a model of a GBU-31 Joint Direct Attack Munition (JDAM) before F-35 Lightning II store separation testing in AEDC's four-foot transonic wind tunnel. (Photo by Rick Goodfriend)

Scott Marshall: steam plant foreman, Air Force reservist, patriot

By Philip Lorenz III
Technical Writer

Unlike many of his peers, when Scott Marshall graduated from high school, the young man knew what he wanted to do with his life.

“Once I took the ASVAB (Armed Services Vocational Aptitude Battery), I knew the Air Force was going to be the only one I wanted because they had what I was looking for,” recalled Marshall, who is ATA’s foreman for the steam plant. “I wanted to join the Air Force, [to] follow in my dad’s footsteps.”

Initially trained to work on the Peacekeeper, his career path changed due to the signing of the Strategic Arms Reduction Treaty in 1991. The Air Force scaled back on the training, and Marshall became a heating systems specialist, a skill he could use in the civilian world as well.

“I had planned on making it [the Air Force] a career and it was going pretty well until they started cutting back on our troops and money for maintenance and repair,” he said.

Marshall applied for a job at AEDC in 1992 while he was home on leave from Langley AFB, Va., after a permanent change of station move from Kunsan Air Base, Republic of Korea, and was hired to work in the steam plant in 1993.

Once again, he was following his father’s footsteps. Larry Marshall had worked at AEDC from 1966 until 2004, initially as an instrument technician and later in power control in charge of the contractor’s energy management control system.

Still wanting to serve his country and eventually retire from the military, Scott joined the Tennessee Air National Guard in February 1994.

He said his experience with the Tennessee Air National Guard’s 118th Airlift Wing based out of Nashville has been rewarding on many levels.

“I’ve deployed to more places since I’ve been with the guard than I ever did on active duty,” said Marshall, who is a technical sergeant in the reserves. “I’ve been to Canada, Alaska, Italy, Ali Al Salem (Air Base) in Kuwait, Diego Garcia, Al-Udeid (Air Base) Qatar, Israel, Sather Air Base, Bagdad and Port-au-Prince, Haiti.

“I knew as soon as the earthquake happened, there’s going to be a big possibility as soon as the president said we’re going to deploy some troops,” he continued. “I think I received a call on a Tuesday; they said get ready. By that Friday, they said be up here on Monday, we’ve got a few things we need to take care of. We had to do some more training – and to re-qualify with the M-9 and M-16.”

By Jan. 29, Marshall had deployed to Haiti with his unit, the 118th Civil Engineering Squadron of the 118th Airlift Wing, reporting for duty with the 24th Air Expeditionary Group.

“We’d already seen a lot of the stuff on the news on how bad everything was, buildings collapsed, the roads being in bad condition, social breakdown, people setting up tent cities under tarps and blankets,” he said. “We really didn’t know what to expect when we got there. We had seen pictures and stories about lack of sanitation, burning of bodies, human bodies being piled up along the roads.”

Witnessing the destruction, despair and death first hand was a sobering experience.

As civil engineers, his unit’s first job was to provide very basic living quarters and the support infrastructure for the U.S. troops assigned to help with the international rescue effort.

“We were setting up what is known as a Harvest Eagle Bed-Down Kit,” he said. “We basically provide a bed down for U.S. forces and we set up the tents, the generators and also the field-deployable environmental control units, which are a five-ton air conditioning system for the tents.”

Capt. Juan Marulanda, deputy to the commander of the 118th Civil Engineering Squadron during the Haitian mission, said Marshall served in many capacities outside of his assigned duties.

“Shortly after he arrived in Haiti, the call went out

for volunteers to help with excavation and recovery operations at the Hotel Montana, a four-star hotel in Port-au-Prince that collapsed during the January earthquake,” Captain Marulanda said. “When the call for volunteers to assist at the Hotel Montana site was put out, Sergeant Marshall’s hand was one of the first ones to go up in response. He expressed a sense of determination and at the same time serenity on his daily trips to the hotel. He expressed to me that this task was an opportunity to provide a sense of closure to the grieving family members of those who died in the hotel. He is an outstanding asset to the unit and to the United States Air Force.”

What Marshall experienced at the hotel site left an indelible impression on him, from the fear in the eyes of all the Haitian survivors to all of the overwhelming aspects of death.

“As far as seeing dead bodies, most of the ones I saw were the ones that we were recovering at the Hotel Montana,” Marshall recalled. “We had a lot of Americans who were at the hotel when it collapsed; among them was an Air Force major who was there for a conference – he was an Alabama native.

“We were able to recover his body and help provide his family and also the families of all the victims with closure,” Marshall continued. “Once a body was recovered they’d blow an air horn and all work would stop, most everyone would take their hard hat off, remain quiet, while the body was taken down from the hill, out of a sign of respect.”

Marshall and those in his unit also helped the Army defense mortuary affairs teams by providing them with air conditioning units.

“When I first got called to go help them out, they did not have any air conditioning for the tents,” he said. “The forensic pathologists were having to process bodies in 90 to 100 degrees Fahrenheit temperatures, while wearing TYVEK suits over their clothes. They were having problems with a lot of them passing out due to the heat and I was able to provide them with air conditioning.”

Two months later, Marshall returned to work at AEDC. He said it was difficult to come to terms with the loss of life in Haiti, but the opportunity to help others was worthwhile.

“I feel that my job on this [deployment], not only helped one family, it helped a lot of families because they are able to bring the bodies back home, that way the families could have closure,” he said. “And that’s one thing that I can take away from it.”

Once he returned to the base, Marshall was back into his routine of overseeing his team who operate the steam plants that support ground testing and base functions.

“We control all the steam on the base to the test cells and for building heat,” he explained. “If everything is going right, most of the base population doesn’t even know we exist. If something happens, if we have a steam outage, then they know.”

He said the biggest challenge for him and his team is to stay ahead of problems, including an aging infrastructure.

“You look at this building, the steam plant was one of the first buildings built on base to support the one-foot transonic wind tunnel – Pee Wee,” he said. “The steam plant itself was originally designed as a coal fired steam plant. It was converted back in 1974 to burn natural gas and in 1990 they upgraded equipment and added the Bailey DCS (distributed control system). It is where we can operate most of the equipment from the control room



Above, from right to left, Tech. Sgt. Scott Marshall and Master Sgt. David Freeland, both with the Tennessee Air National Guard 118th Airlift Wing’s Civil Engineering Squadron, take a break in the staging area during intensive recovery operations during January and February at the Hotel Montana in Port-au-Prince, Haiti. (Photo provided) Below, Scott Marshall, steam plant foreman, checks in with a steam plant operator during the first shift at Steam Pant A at AEDC to ensure everything is running smoothly. (Photo by Philip Lorenz III)

via five work stations.

“It’s much cleaner than burning coal and better for the environment, a whole lot less waste,” he continued. “It’s more efficient, even though the boilers were built in 1951. They’re pretty efficient but not as efficient as we’re going to need to be in the future.”

Marshall put his work into perspective from a safety standpoint.

“This is a job that may be boring at times, [but] it can be real exciting at times,” he said. “You have to be careful 100 percent of the time because you can get injured or killed in a heartbeat. This is where all of our operators’ years of experience are helpful.”

When he isn’t busy working with his team to keep the steam plants running smoothly or deploying with the reserves, Marshall enjoys ham radio. This is another interest he shares with his father, who was a ham radio operator since before his son was born.

“Right now, I’m working on my ham shack down in my basement,” he said. “I’ve got several HF [high frequency] rigs, I run an HF mobile out of my truck. One of the best times I’ve ever had was last year during our two-week DFT (deployment for training) down to Guantanamo Bay, Cuba. I was able to get my license to operate out of there and for only about two and a half days that I actually operated I made over 500 contacts in 53 countries.”

Michael Glennon, the director for the 704th Communications Squadron, became friends with Marshall through their mutual interest in amateur radio.

“He [Marshall] is a person who always volunteers when there is a known community need,” Glennon said. “He is active with the local Amateur Radio Emergency Service (ARES) group that supports the local Coffee County EMA office. He’s a person you can count on when times get tough.”

ATA managers receive CPR training

By Shawn Jacobs
ATA Public Affairs

ATA's senior leadership team is now 100 percent trained in cardiopulmonary resuscitation (CPR) and in the use of automated external defibrillators (AED).

The training, conducted by Tony Rollins of ATA Safety and Health, occurred in multiple sessions, the most recent of which was April 26.

The decision to implement the training was spearheaded by Deputy General Manager Steve Pearson.

General Manager Dr. David Elrod said the need for the training was made evident to him by the dramatically different outcomes of two separate events that occurred Feb. 11.

That day, a Precision Measurement Equipment Laboratory technician collapsed when his heart stopped without warning.

"His co-workers had all been trained in CPR and were able to immediately come to his aid with life-saving support," Dr. Elrod said. "Thankfully, that employee has since recovered and is back at work."

In a separate event that day, a family friend of Dr. Elrod collapsed due to an apparent heart attack. No one nearby could render CPR, and that person did not survive.

Most of the ATA team had received CPR training in the past from various agencies, but it was



Dr. David Elrod, ATA general manager, practices cardiopulmonary resuscitation (CPR) during a recent training session. All of ATA's senior leadership has been certified in CPR. (Photo by Rick Goodfriend)

somewhat dated and lacked coverage of AED usage.

"As a leadership team we believed it was important to update that training and include AED coverage," Dr. Elrod said. "It was just the right thing to do."

Dr. Ralph Jones, branch manager for the Technology and Analysis Branch (TE5) in the Integrated Test and Evaluation (TE) Department, was one of the managers who took the training.

"You never know when you will be faced with an emergency health issue at work, with family or in other public settings and having this training prepares you to be able to respond in such circumstances," Dr. Jones said.

The list of those receiving certification

recently includes Dr. Elrod, Pearson, Catherine Plunkett, Chip Stepanek, Scott Bartlett, David Eldridge, Mark Rigney, Debbie Bayer, Louis Vanacore, Sharon Carter, Christa Herron, Bart Jones, Lynn Moran, Doug Knowlton, Pat Eagan and Dr. Jones. Phil Stich is also current with his certification.

ATA's Safety and Health Office continues to offer CPR/AED training to interested employees.

Tunnel 9's Jeff Waldo receives Dunn Award

Jeff Waldo, chief engineer at Tunnel 9, is the winner of the William M. Dunne People's Choice Award for the first quarter 2010.

Waldo was recognized for finding creative ways to maintain mission effectiveness to bring the Tunnel 9 back to service without incident.

He stepped in and led the contracting effort for delivering the upgraded control room and redesign of the Tunnel 9 heater transformer.

Additionally, he frequently volunteers as an alternate to run systems critical to the facility operation while maintaining his daily tasks.



Waldo

AEDC's Emergency Management promotes cooperation between state and local agencies

By Kathy Gattis
ATA Public Affairs Manager

AEDC's Emergency Management (EM) group hosted a meeting with emergency responders from across middle Tennessee recently to discuss ways to increase cooperation and assist each other during these difficult budget times.

"We wanted to bring together as many local and state emergency response agencies and managers as possible with the goal of improving communication and capabilities through familiarity," Daryl Justice, emergency management lead, said. "The first step in this effort is getting a better understanding of what each of us has to offer and then foster teamwork."

As part of the AEDC Emergency Management



Emergency responders from across middle Tennessee recently met to discuss ways to increase cooperation and assist each other during difficult times. (Photo by Rick Goodfriend)

Workshop, several different groups made presentations including the Tennessee Highway Patrol, Homeland Security, Tullahoma Civil Air Patrol, area industrial fire departments, and 45th Civil Support Team.

"We're hoping to make

this a semi-annual event," Justice said.

All of the speakers expressed their willingness to provide support to others in the group whenever possible. AEDC currently has eight mutual aid agreements.

Viewing history



The USAF chief scientists Dr. Werner J. Dahm and Military Assistant Col. Eric Silkowski stand for a photo with the historic 40-cm-by-40-cm supersonic wind tunnel brought to the U.S. from Germany after World War II and operated at the White Oak Site of AEDC. Dr. Dahm's father, Dr. Werner K. Dahm, was a member of "Operation Paperclip" and performed aeronautical research into the stability of supersonic vehicle flight in this very tunnel while in Germany. (Photo provided)

Flood from page 3

Individuals who volunteered: Master Sgt. Donna Paredez, Tech. Sgt. Jamie Johnson, Brooke E. Adams, Jackey Gates, Vicky Colvin, Jimmy Malone, Miriam Harris, Andrea McElroy, Elaine Posanka, Ron Polce, 2nd Lt. CharMeeka Scroggins, 2nd Lt. Antonio Brunson and 2nd Lt. Drew Miller. Navy Lt. Leanne Carter, 2nd Lt. Marc Honrath, Airman 1st Class Eric Ball, Airman 1st Class Tara Kindermann, 2nd Lt. Jamie Gurganus, 2nd Lt. Greg Boyadjian, Capt. Scott Rinella, Chris Abbott, Elijah S. Minter, 2nd Lt. Alex Henning, Alan

Jones, Patrick Jackson, Sara Rozell, Noah Ura, Shanda Myers and Melissa Warren. Tech. Sgt. John Bankston, Patrick Jackson, Bill Gonce, Roma Rojas, Pam King, Pam Hinton, Rachel Medina, Amanda Curbow, Gena McDonald, Ann and Cliff Johnson, Rick Ferrebee, Rich Hill, Clark Brandon, Terry Tucker, Roberta Sirks, Michelle Sutton, Tony Echols, Bob Cerny, Carrie K. Reinholtz and 2nd Lt. William Parker. Ron Polce, Lance Baxter, Scott Waltermire, Maurice May, Dr. Terrance Dubreus, Capt. Ashton Hainge and 2nd Lt. Will Parker

Suggestions save money for AEDC, earn awards for employees

By Shawn Jacobs
ATA Public Affairs

At AEDC, ideas can truly lead to action, as well as rewards for employees and savings for the company. ATA's Ideas in Action suggestion program implemented one employee-generated suggestion in March, which should result in an annualized cost savings of at least \$7,620.

The savings is expected to be realized by substituting the color drum unit in the Ricoh digital printing and imaging (DPI) devices with less expensive black drums when replacement is required. This unit copies, prints, scans and faxes.

The suggestion was submitted jointly by Computer

Network Technician Bryan Jones, and Technical Specialist Kitty Jones in the Information Technology and Systems Department. They have split a cash award for the cost savings/avoidance suggestion.

"Ricoh color drums cost \$495 apiece," Bryan Jones said. "A black drum is \$114, so you've got more than \$300 in savings between each one. All we have to do is change the connector from a color unit onto a black unit, and then the black unit will function as color."

"We have over 90 of these units installed right now," Kitty Jones said. "You multiply your savings by 90 units and it's really big."

According to Bryan Jones, there is no functional

difference between a black and color drum. The drum itself carries no toner color, and the connector is the only part of the drum that distinguishes color from black in the Ricoh devices.

"On the c2500 model we estimate changing out 3.75 drums or 80,000 copies, and on the newer model c2800, 2.5 drums or 120,000 copies utilized over a five year refresh rate per device," he said. "The overall savings in utilizing the black drums in all the units is anticipated to be \$45,000 dollars. Can you imagine what that amounts to in savings for AEDC over five years?"

"Our numbers were skewed on the original cost savings estimate because we were going back to when we had very few units out here, but now that we've got this many units [the savings should be greater]."

"The newer ones that were just installed – we're starting to see those need replacing now," Kitty Jones said. "And that's the only data we can actually capture for the cost savings."

Bryan Jones discovered the idea while completing hands-on training at the Robert J. Young Company by a certified technician for the Ricoh models.

"I went to R.J. Young and they were doing it," he

said. "After talking to them, I realized that's something we need to do if we could save that much money by doing it without affecting anything."

A number of employee suggestions are submitted each month, according to Tina Bonner, an administrator in ATA Human Resources who helps coordinate the program.

If tangible suggestions result in cost savings or in avoiding expenses, that employee is eligible to receive 10 percent of the first year's annualized savings or avoidance up to a maximum of \$3,000.

Approved intangible

suggestions, where no cost savings is involved, can result in employees being awarded from \$25 to \$100.

"It just gives our employees the opportunity to improve processes, the work environment, safety and quality and to let us know how we can improve our working environment," Bonner said. "By doing so, if the suggestion is approved it also gives them an opportunity to receive monetary awards."

Another suggestion was approved in March but has yet to be implemented.

"In the past, employees could not be awarded until

a suggestion had been implemented; however, since the program was revitalized some a year or so ago, employees no longer have to wait for implementation but can be awarded if the idea is approved," Bonner said.

Employees can submit suggestions to the Ideas in Action program through eMatrix or they can turn in hard copies of Form GC-1390 through their departmental point of contact. Bonner said employees are also welcome to contact her regarding suggestion submittal or if they need additional information about the program.

Local leader to attend the National Security Forum at Maxwell AFB

By Andrea Stephens
ATA Public Affairs

Coffee County businessman and Franklin County resident Mike Niederhauser has received and accepted a personal invitation from the Secretary of the Air Force to attend the 57th Annual National Security Forum (NSF) at the Air War College, Maxwell AFB, Ala.

The purpose of NSF is to expose influential citizens to senior U.S. and international officers and civilian equivalents in order to engage each other's ideas and perspectives on Air Force, national and international security issues.

During the week of May 17-21, approximately 120 civilian leaders in business, education and government from all over the U.S. will

meet with senior military leaders to explore current and future national security issues facing the nation.

The NSF provides an opportunity for an open and candid exchange of ideas among these guests, senior military and civilian leaders, and our Air War College students.

Niederhauser will attend lectures, meet in seminars for in-depth discussions and participate in several social events including an air power demonstration and barbeque.

The Air War College is the senior professional development school in the Air Force officer education system as a part of Air University. It educates selected senior officers to lead at the strategic level in the employment of air and space forces.

The curriculum focuses on coalition war fighting

and national security issues, with emphasis on the effective employment of aerospace forces in joint and combined combat operations.

Air University is a major component of Air Education and Training Command and the intellectual and leadership center of the Air Force. Air University's eight colleges and schools provide the full spectrum of Air Force education, from pre-commissioning to the highest levels of professional military education, including degree granting and professional continuing education for officers, enlisted and civilian personnel throughout their careers.

Niederhauser was nominated to the school by AEDC.

Arc from page 1

Since he came on board at AEDC in 2005, Kirk said many of the 480-volt circuit breakers on base have been replaced with modern versions that reduce the threshold of arc flashing. The goal is to have breakers that will trip upon detecting a fault while simultaneously avoiding tripping circuits due to relatively minor surges and power fluctuations.

"The modern circuit breakers that we're putting in react quicker to a fault than some of our older equipment did," he said. "They'll clear a fault quicker, so the energy won't have a chance to build. A lot of the older 480-volt breakers use electro-mechanical trip units and can take two to three seconds to clear a fault. A modern breaker with a microprocessor based trip unit can clear a fault in three thousandths of a second.

"In many cases this will effectively eliminate the arc flash hazard," he explained. "Replacing equipment is not the only way to reduce a hazard. We can install an electronic trip unit in an old breaker, which is a cost effective option if the electrical equipment is otherwise serviceable. We can also place operational constraints on electrical equipment that has a high arc flash hazard rating."

He acknowledges that keeping these systems safe, but also fully functional, is an ongoing balancing act.

However, his team not only passed the Unit Compliance Inspection in 2008, but Carpenter and the team received recognition for the manner in which they have operated their arc flash safety program.

"As I recall, what made the program note-worthy during that inspection was how mature it was compared to other bases in AFMC," said Lt. Col. Robert Voegtly, who

led the inspection team and is currently the 36th Wing inspector general at Andersen AFB, Guam. "It was a fairly new and stringent safety requirement and we assessed that Arnold really took it seriously. There was a well-documented program which was being executed at every level."

Kirk said the first step in the arc safety program literally involved an in-depth study of the 480-volt electrical substations on base, starting with those in the test areas, like the Propulsion Wind Tunnel, Engine Test Facility, Aeropropulsion Systems Test Facility, the von Kármán Gas Dynamics Facility and Space and Missiles.

"The first thing that has to be done during an arc flash study is to verify the physical configurations," Kirk said. "We take the as-built drawings you have available, then physically walk down the system, verify it, the conductor sizes and lengths, equipment ratings and so forth."

Carpenter said the next part of the program was broken into three main phases.

"One is to gather the data that we need to build an electrical model," he said. "That includes cable sizes, lengths, breaker types, sizes, transformer sizes; other things that you need to model the electrical systems in a computer.

"The next phase was to build the model – an engineer sits down, takes all that data, and builds the model in the computer. And that computer model then calculates arc flash incident energy and boundary.

"The final phase is actually putting the labels out on the equipment to identify what the hazards are and the PPE required. However, we are also looking at ways to reduce

the incident energies associated with an arc flash, e.g. changing protective device settings, replacing equipment, etc.

Carpenter described the process undertaken by his team.

"We couldn't do the whole base at one time, so we worked an area at a time," he said. "We started in the ETF area and we have primarily finished those. We completed the walk down in ETF and while we were creating the model for that, we were doing walk downs of PWT.

"We're working our way through the base area," he continued. "The next area we're doing walk downs in are the general office facilities. On top of that, we're updating [electrical substation and related systems] drawings. The bulk of money we're spending right now is on refurbishment of electrical equipment."

The amount of energy generated in an arc flash determines the PPE required. This could range from a situation where a low level of protection is needed to a powerful enough flash in which no degree of PPE would protect a worker.

Preparing for haz-mat response

A simulated chlorine leak at AEDCs water treatment plant May 12 provided training for Arnold's first responders, hazardous material and other subject-matter experts, as well as personnel in Bldg. 1476, the Main Warehouse.



Above, Assistant Fire Chief George Chambers, doing a final inspection of Fire Fighter Joey Edwards at a staging area before the base firefighters and other first responders enter the area of the leak for their initial assessment.

Right, Paramedic Crew Chief Rick Cope, duct tapes the sleeves of base Fire Fighter Brian Barnes to protect him against coming into contact with Chlorine gas. They are in a staging area where first responders gathered before entering the area of the leak to contain and assess it for further action. (Photos by Rick Goodfriend)

**ID2 from page 3**

ATA employees David Milleville, Larry O'Neal, Roy Thompson, Steve Brewer, Brent Morris and Fred Hutchinson spent a day in Nashville cleaning up after the flood. (Photo by Fred Hutchinson)

looked like to be hardwood flooring laid over a subfloor turned out to be installed directly onto the floor joists. The group started in what had been a back bedroom and slowly worked their way through the rest of the house and out the front door, all the time working to keep their balance and not fall between the floor joists.

At the end of the workday the group was tired and dirty, covered in drywall chalk and river mud, according to

Milleville.

"We actually accomplished quite a bit in one day, and the owner was greatly appreciative," Milleville said. "In the light of the struggle that lies ahead for this homeowner, we sort of felt our work was just a drop in the bucket in the journey to rebuild her life."

Those participating, in addition to Milleville, included Steve Brewer, Fred Hutchinson, Brent Morris, Larry O'Neal and Roy Thompson.

Social from page 2

is to improve operations by sharing what we know

-DO think about operational security, OPSEC

-DO give firsthand accounts: go with what you know, and share but do not give out second-hand information

-DO correct folks if they misrepresent the Air Force; do so respectfully and factually, but make it right, or redirect them to factual information via links

-DO correct yourself if you make a mistake: it's the right thing to do - CREDIBILITY IS CRITICAL

-DO acknowledge that your views are your own and not the official position of the Air Force or Department of Defense

-DO act professionally: you are our best interface to the public, so be proud and act appropriately

-DO remember that the Uniform Code of Military Justice still applies: just because it's in a virtual setting doesn't make something that would be illegal any more lawful or appropriate

- DO ask for help if you aren't

sure about posting something; your local public affairs office is a great place to start

What CAN'T I do on these sites?

-DON'T spill the beans on operations, privacy info, contractually sensitive or classified data. THINK OPSEC

-DON'T think this is your home computer: FarmVille, Mafia Wars, eBay, day trading, apps and widgets need to be done elsewhere

-DON'T be rude: no obscene, abusive, hateful, or racially, ethnically or otherwise offensive posting or viewing

-DON'T use other people's info: copyrights, trademarks, logos, writings, etc., must be honored

-DON'T tread on others rights: respect everyone's right to privacy and personal freedom

-DON'T be fake: no forging data about yourself or others, or misrepresenting who you are. DON'T pass on second- or third-hand info; just because your buddy told you doesn't mean it's true,

first-hand info only, please

-DON'T spend half your day tweeting, blogging, etc: chatting with friends on lunch is OK, but don't go crazy

Failsafe from page 2

inspecting the cables on a periodic basis could reduce the probability of the elevator failing.

However, without the Otis device, it wouldn't reduce the catastrophic results when the elevator did fail.

Thus while inspections and audits can be a vital mishap prevention tool, you really need to use them in conjunction with failsafe measures in order to have a failsafe system.

So, how can this apply to you? Look at the things you do at work or at home on a daily basis.

Ask "what if" questions, and if the answer you get is a mishap, then try to find ways to failsafe that part of the operation by either seeking better material or changing procedures.

Command from page 1

officials responsible for acquisition program execution, will be leading many of the directorates at AFMC product centers.

With this reorganization, all of AFMC's centers will see some changes. AFMC planners say the realignment is "manpower neutral," meaning no net gain or loss of jobs will occur.

AFMC planners don't have answers yet to every question that civilian and military members may have about potential personal impacts, but they said they will keep the information flowing as the change process plays out.

AFMC centers with acquisition organizations that will be restructured to directorates, divisions and branches are:

- Air Armament Center, Eglin AFB, Fla., excluding the 46th Test Wing
- Aeronautical Systems Center, Wright-Patterson AFB, Ohio
- Electronics Systems Center, Hanscom AFB, Mass.
- Arnold Engineering and

Development Center, Arnold AFB, Tenn.

- Air Force Security Assistance Center, Wright-Patterson AFB, Ohio

At the Air Logistics Centers, the remaining Combat Sustainment Wings will be inactivated with resources realigned to other local AFMC organizations. In addition, the ALC Aerospace/Aircraft Sustainment Wings are planned to be inactivated and replaced with Aerospace Sustainment Directorates. The ALCs, which are large industrial facilities responsible for maintenance and sustainment of aircraft and other systems, are located at Robins AFB, Ga.; Tinker AFB, Okla.; and Hill AFB, Utah. Maintenance wings at these locations will be unaffected.

The Air Force Nuclear Weapons Center will retain its 498th Nuclear Systems Wing, but some groups and squadrons within the center will be inactivated.



About 450 eighth grade students and teachers from North Middle, South Middle and Huntland schools in Franklin County participated in the Minds in Motion program May 13, 14 and 18.

AEDC teamed with UTSI to develop this educational outreach program designed specifically for eighth grade students. Students' time is divided between AEDC and UTSI. At both locations, students tour facilities and participate in hands-on demonstrations and experiments which are tied to the work done at each location.



Photos by Rick Goodfriend and Laura Horton



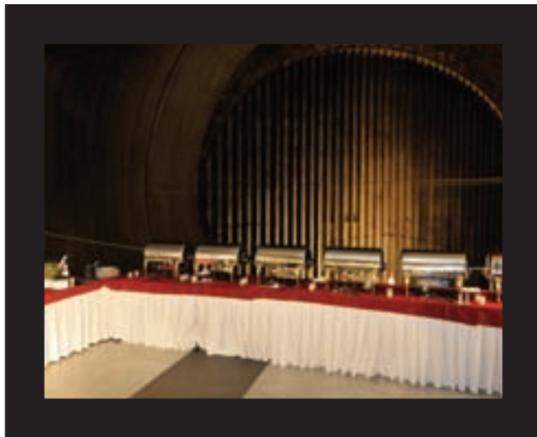
Minds in Motion





Monday night AEDC Commander, Col. Michael Panarisi, hosted third, fourth and fifth grade school teachers at the Evening at Arnold event. Teachers from Bedford, Coffee, Franklin, Lincoln and Moore counties were in attendance.

The theme for the event, "Spark," supports the Tennessee STEM program promoting children's interest in science, technology, engineering and mathematics. Col. Panarisi informed the teachers about the different ways AEDC could help "spark" in the minds of their third, fourth and fifth grade students. The teachers ate buffet style in the center's 16-foot supersonic wind tunnel. They received a tour of the tunnel and the impact and ballistic ranges.



Photos by Rick Goodfriend

Air Force chief of staff visits School of Aerospace Medicine

By E'Lisa Wilcox
711th Human Performance Wing

Brooks City-Base, Texas (AFNS) - The Air Force's top uniformed officer toured the 711th Human Performance Wing's U.S. Air Force School of Aerospace Medicine at Brooks City-Base, Texas, May 13.

During his visit, Air Force Chief of Staff Gen. Norton Schwartz reflected on the 92-year history of the school and the unique training and education accomplished by the staff to create medical experts who care for air and space operators, evacuate casualties and prevent injuries and illness.

"In the early 1900s, when aviation began to become a capability, both military and otherwise, people recognized that there were things about aviation that required special expertise, and that started in the School of Aerospace Medicine," General Schwartz said.

The general visited with public health and clinical medicine teams to learn how these organizations are impacting the health of warfighters. Two examples were support provided during the 2009 H1N1 influenza outbreak and clinical investigation of the treatment of traumatic brain injury using hyperbaric oxygen therapy.

Col. Robert Michaelson, chief of hyperbaric medicine at USAFSAM, briefed the general on the research being done to see how oxygen therapy might help those recovering from TBI.

"If the brain cells are not killed then the oxygen therapy can rejuvenate the cells," Colonel Michaelson said. He explained that the work being done there is "the first double-blind study" evaluating how this treatment affects humans with brain injuries.

General Schwartz also experienced realistic training for aeromedical evacuation and critical care aboard one of the school's two C-130s "trainers." He was shown how these aircraft, reconfigured as fully functional simulators, allow training and testing in an environment with challenges and emergencies that are not possible in flying aircraft. He observed how the advanced training platforms provide realistic medical scenarios to simulate smoke, fires, and other emergencies to better train the crews for their combat missions.

"We take our students to the very limits of their abilities and beyond to prepare them for the hands-on care that they will be required to provide," said Col. Charles R. Fisher, Jr., commander of USAFSAM.



Air Force Chief of Staff Gen. Norton Schwartz listens as Senior Master Sgt. Scott Curran, superintendent of international and expeditionary education and training at the U.S. Air Force School of Aerospace Medicine, explains the mission scenarios and emergency procedures taught in the C-130 Hercules simulators to better prepare aircrews responsible for the medical evacuation of patients. (Photo by Steve Thurow)

Maj. Gen. Ellen Pawlikowski, commander of the Air Force Research Laboratory, and Col. Karen Weis, dean of USAFSAM, also briefed the chief of staff about the value of the school's computer-based simulators, smart boards and game-like training modules.

"Doing this type of training is very important because students can use computer-based 3D models to become familiar with the equipment," General Pawlikowski said. "Often you don't have the confidence in the field because you are not familiar enough with the equipment. With this technology you can examine the C-17 airframe at your own pace."

General Schwartz relayed the critical impact of the school's collective efforts in being able to save lives, noting that a man wounded in Afghanistan, who lost all four limbs, died and was revived three times before reaching Walter Reed Hospital. He told the group the individual is now recovering, rehabilitating and preparing for a new life using his new limbs.

"It is remarkable what you as a community have accomplished on this young man's behalf, both at the hospital in Afghanistan and of course in transit," General Schwartz said. "His recovery should make each of you proud and know how important the work is that you do."

"Army, Air Force, Navy, Marine Corps,



Col. Charles Fisher Jr., commander of the U.S. Air Force School of Aerospace Medicine, briefs Air Force Chief of Staff Gen. Norton Schwartz on the capabilities of aerospace medicine training and the impact it has had on the survivability of wounded warriors. (Photo by Steve Thurow)

or Coast Guard: if something happens to one of them, they know that they will not be left behind," he said. "The aeromedical team will do whatever is necessary to assure they have the best chance for survival and recovery."

AEDC supports Relay for Life

The three teams from AEDC - Big Cheese and the Banditos, Chair Force, and Coins 4 A Cure - participated in last month's Relay for Life event.

The event, sponsored by the American Cancer Society, was held at the Coffee County Fairgrounds.

The teams raised more than \$10,000 for cancer research and overall, the overall event raised more than \$60,000.

"Despite the inclement weather, it was nice to see the community come out to support such a worthy cause," said Britt Covington, AEDC executive director. "I was especially taken with the large and enthusiastic crowd from AEDC.

"My kids got a real charge out of bashing Patrick Jackson's (AEDC/FM) Mercedes Benz with a sledgehammer. I was benefitted in two ways: it wore my kids out for the night and they were able to contribute money to fight cancer. My family plans



Teams got to the Relay for Life early to set up several fundraising events to include bouncy houses, whack-a-car and amusement park games. Overall AEDC teams raised more than \$10,000 for cancer research. (Photo provided)

to attend again next year."

The survivor lap and the caregiver lap are emotional times for the participants. As cancer survivors circled the track, their friends, family and team mates were there to cheer them on.

At least four AEDC members, Rick Ferrebee (704 MSG/SV), Bryan Larson (704 MSG/SVRL), Dee Wolfe (AEDC/DPD) and Judy Mohler (704 CES/CEA), participated in the survivor lap.

AEDC became involved with Relay For Life for the first time last year when Dee Wolfe was requested to be the base liaison by the Relay for Life Committee.

"This year's participation and fundraising far exceeded my every expectation," she said. "I was so proud of all the people who participated in the Relay event and hopes the base's participation in this event continues to grow in the years to come."

Highland Yacht Club announces schedule for 2010 spring regatta



The Highland Rim Yacht Club's spring regatta will take place June 5 and 6 on Woods Reservoir. (Photo provided)

The membership of the Highland Yacht Club (HYC), on Woods Reservoir, has announced June 5 and 6 as the dates for their annual spring regatta.

Highland Yacht Club is located off of Northshore Road just across the cove from AEDC's FAMCAMP.

The weekend of fun, food and sailing kicks off at 6 p.m. June 4 with a potluck dinner and meet and greet at the onsite pavilion.

All sailors are invited to come out and enjoy the weekend's activities.

Saturday begins with brunch and registration starting at 9 a.m., followed at 10:30 a.m. by the skippers meeting and racing at 11:30 a.m.

The races take several hours to complete.

Dinner begins at 6 p.m.

Sunday starts early with breakfast at 8 a.m. and racing at 9:30 a.m.

Racing is finished close to noon followed by lunch



Several races are scheduled to take place during the 2010 spring regatta sponsored by the Highland Rim Yacht Club. (Photo provided)

at the pavilion.

The trophy presentation starts at 2 p.m.

Highland Yacht Club regattas are known throughout the southeastern

United States and beyond for their hospitality, food and racing.

The HYC has hosted regional and national sailing events.

UTSI Aviation Systems Program flies first NOAA airborne science missions

By Madge Gibson
UTSI

The UTSI Aviation Systems Program recently accomplished another airborne science milestone by flying their first science missions for the National Oceanic and Atmospheric Administration (NOAA).

These first missions were flown over eastern Tennessee for NOAA's Atmospheric Turbulence and Diffusion Division (ATDD) in Oak Ridge. ATDD, one of several field divisions of the NOAA Air Resources Laboratory, Silver Spring, Md., conducts research on air quality, climate and dispersion, providing data that impacts issues of national and global significance.

The UTSI airborne science research is made possible through funding provided by NOAA, totaling more than \$1.5 million during the next two years.

NOAA ATDD is collaborating with UTSI to obtain airborne measurements of the Earth's surface temperature over selected U.S. Climate Reference Network (USCRN) ground measurement sites.

While the Climate Network ground sites can only obtain temperature

data at a single point on the Earth's surface, UTSI's aircraft can obtain data over a wide area over and around these ground sites.

The airborne data will help NOAA scientists quantify the spatial variability and validity of the single-point, ground measurements of surface temperature. The airborne measurements will also be used to improve satellite infrared reflectance measurements, such as those being made from the NOAA Geostationary Operational Environmental Satellite-R Series (GOES-R).

With the help of NOAA ATDD, UTSI is planning to erect a ground station near its campus to provide valuable climate data and provide a unique opportunity for UTSI researchers to become involved with climate research and novel sensor development.

Flying a highly instrumented, Piper Navajo Airborne Science Research Aircraft, the Aviation Systems team collected scientific data over Crossville and near the Oak Ridge National Laboratories. The UTSI Piper Navajo is a cabin-class, twin engine aircraft that has been

highly modified to carry an array of specialized airborne science sensors, instrumentation and data systems.

For the ATDD missions, these sensors included radiometers that measured direct and reflected light intensity, an infrared temperature sensor, and a laser altimeter that provided very accurate height above the ground.

The NOAA ATDD missions are the start of a series of airborne science flight campaigns to be conducted by UTSI.

This month, UTSI will again team up with the NASA Marshall Space Flight Center in Huntsville to fly the Marshall Airborne Passive Microwave

Imaging Radiometer (MAPIR).

The MAPIR is mounted in the UTSI Piper Navajo belly sensor pod developed by the Aviation Systems Program.

Previously, UTSI had flown the NASA MAPIR to collect surface temperature data for nuclear power plant cooling water in Tennessee and northern Alabama. In the upcoming tests, the NOAA ATDD missions will be repeated with surface temperature data being collected using the state-of-the-art NASA MAPIR sensor.

Later this summer, the Aviation Systems airborne science team will head to the Gulf of Mexico to conduct

the Atmospheric Mercury Sensing flight campaign for the NOAA Air Resources Laboratory. This major scientific endeavor is a collaborative effort between UTSI, NOAA, Georgia Tech, Florida State University and the University of Miami. The Aviation Systems Piper Navajo will be flown to collect samples of atmospheric mercury over the NOAA ground-based mercury monitoring site at the National Estuarine Research Reserve (NERR) in Grand Bay, Mississippi and over the Gulf of Mexico.

This airborne data will be used by scientists to help understand the sources and transport of atmospheric mercury

and increase the database for the modeling of atmospheric mercury.

"The success of the UTSI Airborne Science Program is due to the dedication, expertise and plain hard work of the Aviation Systems team," said Dr. Stephen Corda, chairman of the UTSI Aviation Systems Program. "This team is comprised of unique individuals with outstanding skills in their respective fields and extensive flight test experience."

"The UTSI Airborne Science team includes It takes a true team effort to conduct this type of flight research with such a high quality data product and to perform these flight operations safely."

704 Maintenance Group helps complete the sweep

Master Sgt. Patrick Lazarus and Larry Davis, members of the 704MXG, enjoyed two very successful soccer seasons coaching the girls and boys Tullahoma Middle School varsity soccer teams.

The year started with Master Sgt. Lazarus and Christine Byker coaching the girl's varsity team in the fall helping them capture both the regular season and the tournament championships for the Central Tennessee Conference.

Not to be out done, Davis led a championship run for the boy's team this spring and captured the tournament championship to complete the sweep for the Tullahoma Middle Schools.

While both of these volunteers agree

that winning the championships was very satisfying, each said it was more satisfying mentoring and coaching the young kids.

Both are very passionate about the game of soccer and enjoy spending their time passing along what they know to the next generation.

"Helping these kids learn the values of sportsmanship is a very rewarding experience," Master Sgt. Lazarus said. "Larry and I are proud to be part of the development of these young kids and look forward to sending them on to the next level."

"Teamwork and excellence is what we do here at Arnold and passing these values on to children will pay big dividends in their future success," Davis said.



Coached by 704th Maintenance Group members Master Sgt. Patrick Lazarus and Larry Davis, the boys' and girls' Tullahoma Middle School varsity soccer teams swept the middle school tournament championships. (Photos by Jose Ortiz and Lura Lazarus)

Arnold Golf Course 454-7076

Range Rat Program kicks off June 1 and goes through July 31. During this time, the first 25 customers making a minimum \$25.50 e-key purchase of range balls will receive a Range Rat t-shirt and their name entered into the grand prize drawings. Anyone who finds a green money ball in your range basket instantly wins two free range tokens for 24 balls each and your name is entered into the grand prize drawings. Compete in the skills test competitions and win cash prizes. Putting Contest – June 4, 12:30 p.m.; Chipping Contest – June 25, 12:30 p.m.; Closest to Pin – July 2, 12:30 p.m.; Bunker Shot – July 9, 12:30 p.m.; Long Drive Contest – July 23, 12:30 p.m.; Big Break Contest – July 30, 12:30 p.m. Customers who purchase a range key, money ball winners and winners in the skills challenges are eligible for the grand prize drawings: 7th place - \$25 gift certificate; 6th place \$25 gift certificate; 5th place \$50 gift certificate; 4th place \$50 gift certificate; 3rd place \$75 gift certificate; 2nd place \$125 gift certificate and Grand Prize \$250 gift certificate.

Junior Golf Academy Session 1 starts June 7. The Junior Golf Academy helps juniors experience a game of a lifetime featuring instruction in all phases of the game of golf. The Academy also stresses the importance of honesty, integrity, etiquette, history and excitement that is the game of golf. Instruction includes full swing, short swing, putting and chipping, rules and etiquette. Each session is limited to a maximum of ten students. Entry fee is \$149 per session if needing clubs or \$99 if using their own clubs. Session 1 will be June 7-11 from 8:30-10 a.m. each day. Session 2 is scheduled for July 12-16.

Member/Guest Two Person Scramble will be held June 26-27 with 8 a.m. shotgun start. Entry fee is \$125 per team and includes green fees, cart, food and prizes. Sign up in the Pro Shop by June 23.

Mulligan's Grill is open seven days a week from 7 a.m. to 2 p.m. Try the "Good Morning Breakfast" special Monday through Friday. This includes two eggs, choice of bacon or sausage, hash browns and one biscuit and gravy for \$4.50. Breakfast is served until 10:30 a.m. Lunch specials for June are: **Monday:** Reuben sandwich; **Tuesday:** Cranberry Walnut chicken Salad Croissant; **Wednesday:** Turkey Club Panini; **Thursday:** Grilled Chicken Wrap; **Friday:** Club Sandwich. All specials are served with fries and fountain drink for \$6. Try the soup of the day with a sandwich. Mulligan's Grill meals are a great value and include unlimited drink refills. Call ahead for advance or to go orders at 454-7076. Remember to show your Members First Plus membership card for a ten percent discount on purchases of \$4 or more.

Unlimited golf every Tuesday and Thursday for \$10 per person. Normal cart fees apply.

Upcoming events:

Tullahoma City Medal Play Championship, July 24-25
Club Championship, August 21-22

Arnold Lakeside Center 454-3350

Air Force Services is conducting the Annual **Club Membership Scholarship Program**. Current Members First Plus individuals and their family members who have been accepted by or enrolled in an accredited college or university for entry during the fall of 2010 term as a part time or full-time student are eligible to apply for scholarships. Grandchildren are eligible if they are a dependent of the club member. Student enrollment status may involve either undergraduate or graduate curricula. Applicant must provide a copy of their college or university acceptance letter. Twenty-five \$1,000 scholarships will be awarded. To enter, write and submit a 500 words or less essay on the following topic: "What does it mean to be a part of the Air Force Family?". Essays exceeding 500 words (excluding title) will be disqualified. Essays must be typed in MS Word 12-point Arial or Times New Roman font, single-spaced, with double-spacing

See Briefs, page H3



A team practices handing off the baton before last year's Golden Baton Relay.

Golden Baton Relay Race celebrates 25th anniversary

The Fitness Center will host the 25th Annual Golden Baton Relay Race at 8 a.m. June 23.

The race is held in front of the A&E Building and each team runner must complete two laps around the A&E Circle before passing the baton to the next runner. Teams must consist of four runners with a combined total age of at least 120 and one timekeeper.

Teams may select appropriate and tasteful ways to distinguish themselves and may bring their own baton or use batons provided by the Fitness Center.

The first six teams to sign up will receive event T-shirts. Prizes will also be given for the most clever team name, best team costumes and overall team speed.

Call 454-6440 to sign up or for more details.

Fishing Classic set for June 19

The annual Youth Fishing Derby has been expanded to include adults and is now labeled a Fishing Classic.

Ages 4 and older are invited to participate. Each child under age 18 must be accompanied by an adult.

The event will be held June 19 at the Rec Beach area with check in from 7:30-8 a.m. Fishing will be conducted from 8 a.m.-noon.

At that time scores will be tallied, lunch will be served, and awards will be presented.

The event should conclude by 1 p.m.

Entry fee is \$10 per person and \$20 per boat. Fishing from the shore is allowed.

Sign up deadline is June 12.

A late registration fee of \$15 will be added after that date.

A cancellation fee of \$10 will be applied if canceled after June 16.

Participants should bring applicable fishing license, rods and reels and bait.

Those fishing from boats must return to the boat dock in time to have their fish measured at noon.

Each contestant will be allowed four entries to be measured for length.

Trophies will be presented to first, second and third in each age group (4-8, 9-12, 13-17, 18 & up).

A trophy for biggest fish caught will also be presented. Honesty and fair play are essential to the success and competition in any event and must be followed at all times.

All decisions made by the tournament director shall be final.

Call 454-5003 for more information and to register.

Dance class session begins June 2 at ALC

The next session of Arnold Lakeside Center dance classes will begin June 2.

The session includes seven weeks of instruction on Wednesday nights ending with a dinner dance event July 28.

Instruction is scheduled 6:30-7:30 p.m. with supervised practice 7:30-8:30 p.m.

Cost for the all inclusive class (seven weeks of instruction and dinner event) is \$58 per person for members and \$60 for nonmembers.

Full payment is required in advance to participate in the class and refunds or prorated fees are not applicable for missed classes.

The class is taught by Denny Lennon and/or Amanda Robinson with Chattanooga Dance Sport.

Call 454-3350 to sign up for classes and remember to wear comfortable clothing and shoes.

The next session will begin Aug. 11.



Children and adults are invited to participate in this year's Fishing Classic which will take place June 19 on Woods Reservoir.

NAF sale is June 3

Services will have a sale of some Nonappropriated Fund (NAF) items beginning at 10 a.m. June 3.

There will be cash and carry items as well as sealed bid items.

Some of the cash and carry items include dishware, glassware, patio sets, picnic tables, tables, chairs and a portable marquee.

Some sealed bid items include baby grand piano and stool, smoker, boat with motor and commercial grade kitchen equipment such as Vulcan range with oven, Alto sham rotisserie, fryers, griddle with stand and more.

The sale will be conducted in Arnold Village in the grassy area near the Outdoor Rec building (bldg 3055).

Youth Programs conducting survey

Services Youth Programs would like to know how they can improve their programs to meet your children's needs. Survey ends May 28.

Their goal is to provide programs your children, under the age of 19, are interested in and increase participation in the Youth Center.

This survey provides you an opportunity to share your thoughts and tell what is of interest to your children.

Youth Programs values your input and looks forward to better serving your needs.

To complete the survey visit <http://www.usafservue.com/se.ashx?s=3D6717A32FD9C48E>.

Book Fair returns June 8



Services welcomes back Books Are Fun for a book fair from 9:30 a.m. – 3 p.m. June 8 in the A&E Building's Arnold Room, room A123. Discounted selections include paperbacks, best sellers, educational, reference, cookbooks, children's items, gift selections and more. Save up to 70 percent off retail prices.

Missoula Children's Theatre returns July 5-10

Missoula Children's Theatre presents their production of Treasure Island.

Auditions will be held at 4:30 p.m. July 5 at the Manchester Performing Arts Center (MPAC) for children who have preregistered.

Children eligible to preregister are those who have completed first grade through those still in twelfth grade.

Participation is open to all AEDC families and the local surrounding communities. Pre-registration is \$15 (\$10 for additional children in the same household) and begins June 1 ending July 2.

Late registration or cancellation fee of \$5 will be applied after July 2.

Once each age group is filled to ca-

capacity no additional children may sign up. A total of 60 cast members and four assistant directors will be filled.

Auditions will consist of two hours in which every child must participate to be considered for a part in the play. Two additional hours may be required for some cast members.

Youth Programs' staff will be at the MPAC June 4 and 25 from 11 a.m.-3 p.m. to register those from the community.

Rehearsals continue throughout the week culminating with a performance to be held at 3 p.m. July 10.

Admission is \$8 for adults and \$5 for children.



Horizon is a 704th Services Division publication designed to inform our customers of events and specials in 704th Services Division activities. All program dates, times and prices are subject to change. 704th Services Division mailing address is at 100 Kindel Drive, Suite C321, Arnold AFB, Tenn. 37389-3321

Services information written and provided by Tanya Haggard

This Services supplement is published by *The Tullahoma News*, a private firm in no way connected with the U.S. Air Force, under exclusive written contract with the Air Force. This supplement is an authorized publication for members of the U.S. military services. Contents of this supplement are not necessarily the views of, or endorsed by, the U.S. Government, the Department of Defense or the Department of the Air Force. 704th Services Division is an exclusive area available to all AEDC personnel, active duty, retired military, National Guard, Reserve military, Civil Service employees within 50 miles of the base, AEDC alliance employees, and others as approved by the commander. 704th Services activities include Wingo Inn (lodging), Arnold Lakeside Center, Outdoor Recreation (Marina, FamCamp, Crockett Cove), Golf Course, Family Member/Youth Programs and Fitness Center. Those mentioned above are eligible to use any 704th Services activity during regular operating hours unless it is specified as a "members only" event. Membership remains a personal choice, however, only members are entitled to discounts and other benefits associated with membership.

704th Services Division Phone Numbers

Area code 931 DSN 340
 Services Chief—454-7779
 Services Deputy—454-5915
 Community Services Flight Chief—454-4062
 Complex Manager—454-3367
 Arnold Lakeside Center (ALC)—454-3350
 Arnold Lakeside Center catering—454-3350

Hap's Pizza—454-5555
 Membership Information 454-3367
 Fitness Center (FC)—454-6440
 Outdoor Recreation (ODR)—454-6084
 FamCamp—454-4520 or 454-6084
 Marina—454-6084 or 454-3838
 Recycling—454-6068
 Family Child Care—454-3277

Family Member/Youth Programs—454-3277
 Human Resources—454-5481
 Marketing & Sponsorship—454-3128
 Barber Shop—454-6987
 Wingo Inn—454-3051
 Golf Course (GC)—455-5870 or 454-7076

June 2010

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
<p>If you have children under age 19 please take the Services Youth Programs Survey at http://www.usafservue.com/se.ashx?s=3D6717A32FD9C48E</p> <p>Missoula Children's Theatre coming July 5-10, Manchester Performing Arts Center, preregister starting June 1, 454-3277</p>		<p>FamY Camp Adventure Week 1: Zooprise Party Parade FamY Missoula Children's Theatre preregistration begins GC Range Rat Program begins GC Unlimited golf \$10 every Tuesday & Thursday FC Cycle Pump Class—Endurance Cycling 11 a.m. FC Karate 3 p.m. FC Zumba 4:15 p.m. FC Intramural Softball Open League 5 p.m.</p>	<p>ALC Hap's Pizza, 11 a.m.—1 p.m., also available Chef Salad or Surprise Special, call ahead 454-5555 FC Pilates 11 a.m. FC Intramural Softball Women's League 5 p.m. ALC Dance Class Summer Session starts, 6:30-8:30 p.m., \$58 member, \$80 nonmember, 454-3350</p>	<p>GC Unlimited golf \$10 every Tuesday & Thursday NAF SALE Arnold Village 10 a.m., cash & carry and sealed bid FC Cycle Pump Class—Yellow shirt cycling 11 a.m. FC Karate 3 p.m. FC Zumba 4:15 p.m. ALC Dinner & Movie Night "Alice in Wonderland" PG dinner 5-9 p.m. movie 6 p.m. FC Intramural Softball Open League 5 p.m.</p>	<p>FC Piloga 11 a.m. ALC Peel Your Own Shrimp, \$12.95 member, \$13.95 non member 5-9 p.m. ALC First Friday Jam Night, 6-10 p.m. FamY Movie Night, 6-9 p.m., age 9 and up, free popcorn and \$1 pizza by the slice, 454-3277</p>	<p>ALC Lawn Party: Barbecue ribs and pork on the patio, \$11.95 members, \$12.95 non members, 5-9 p.m.</p>
6	7	8	9	10	11	12
	<p>FamY Camp Adventure Week 2: Viking Sails & Dragon Tales FC Ping Pong Ladder Tournament starts, sign up by June 1, 454-6440 GC Junior Golf Academy Session 1 starts, 8:30-10 a.m., \$149 FC Cycle Pump Class—Zesty cycling 11 a.m. FC Yoga 11 a.m. FC Intramural Softball Women's League 5 p.m.</p>	<p>GC Unlimited golf \$10 every Tuesday & Thursday ALC Book Fair, A&E Rm A123, 9:30 a.m.—3 p.m. FC Cycle Pump Class—Endurance Cycling 11 a.m. FC Karate 3 p.m. FC Zumba 4:15 p.m. FC Intramural Softball Open League 5 p.m.</p>	<p>ALC Hap's Pizza, 11 a.m.—1 p.m., also available Chef Salad or Surprise Special, call ahead 454-5555 FC Pilates 11 a.m. FC Intramural Softball Women's League 5 p.m.</p>	<p>GC Unlimited golf \$10 every Tuesday & Thursday FC Cycle Pump Class—Yellow shirt cycling 11 a.m. FC Karate 3 p.m. FC Zumba 4:15 p.m. ALC Dinner & Movie Night "The Bounty Hunter" PG-13 dinner 5-9 p.m. movie 6 p.m. FC Intramural Softball Open League 5 p.m.</p>	<p>FC Piloga 11 a.m. ALC Pork Schnitzel, \$13.95 members, \$14.95 non members, 5-9 p.m.</p>	<p>ODR Paintball 9:30 a.m. \$20 includes lunch, ages 10 and up, 454-6084 ALC Chicken Fried Steak, \$9.95 members, \$10.95 non members, 5-9 p.m. ALC Mid Year Mini Texas Hold 'Em Member Tournament starts, 6:30 p.m.</p>
13	14	15	16	17	18	19
<p>FamY Camp Adventure Week 3: Space Raiders & Cosmic Invaders FC Cycle Pump Class—Zesty cycling 11 a.m. FC Yoga 11 a.m. FC Intramural Softball Women's League 5 p.m.</p>		<p>GC Unlimited golf \$10 every Tuesday & Thursday FC Cycle Pump Class—Endurance Cycling 11 a.m. FC Karate 3 p.m. FC Zumba 4:15 p.m. FC Intramural Softball Open League 5 p.m.</p>	<p>ALC Hap's Pizza, 11 a.m.—1 p.m., also available Chef Salad or Surprise Special, call ahead 454-5555 FC Pilates 11 a.m. FC Intramural Softball Women's League 5 p.m.</p>	<p>GC Unlimited golf \$10 every Tuesday & Thursday FC Cycle Pump Class—Yellow shirt cycling 11 a.m. ODR Fishing Basic Skills 101 Clinic, 2 p.m., \$5, sign up by June 11, 454-6084 FC Karate 3 p.m. FC Zumba 4:15 p.m. ALC Dinner & Movie Night "How to Train Your Dragon" PG dinner 5-9 p.m. movie 6 p.m. FC Intramural Softball Open League 5 p.m.</p>	<p>FC Piloga 11 a.m. ALC Shrimp Scampi with Fettuccine Alfredo, \$12.95 members, \$13.95 non members, 5-9 p.m.</p>	<p>ODR/FamY Fishing Classic, 7:30 a.m.—1 p.m., age 4 and up, \$10 per person, \$20 per boat, sign up by June 12, 454-5003 ALC Baked Snapper, \$11.95 member, \$12.95 non member, 5-9 p.m.</p>
20	21	22	23	24	25	26
	<p>FamY Camp Adventure Week 4: Rangers, Robots & Toybox Treasures ODR Swimming Lessons, 10 and 11 a.m., \$15 members, \$17 non members, sign up by June 18, 454-6084 FC Cycle Pump Class—Zesty cycling 11 a.m. FC Yoga 11 a.m. FC Intramural Softball Women's League 5 p.m.</p>	<p>GC Unlimited golf \$10 every Tuesday & Thursday FC Cycle Pump Class—Endurance Cycling 11 a.m. FC Karate 3 p.m. FC Zumba 4:15 p.m. FC Intramural Softball Open League 5 p.m.</p>	<p>FC 25th Annual Golden Baton Relay Race, 8 a.m., A&E Circle, teams of 4 runners plus timekeeper, 454-6440 ALC Hap's Pizza, 11 a.m.—1 p.m., also available Chef Salad or Surprise Special, call ahead 454-5555 FC Pilates 11 a.m. FC Intramural Softball Women's League 5 p.m.</p>	<p>GC Unlimited golf \$10 every Tuesday & Thursday FC Cycle Pump Class—Yellow shirt cycling 11 a.m. FC Karate 3 p.m. FC Zumba 4:15 p.m. ALC Dinner & Movie Night "Clash of the Titans" PG-13 dinner 5-9 p.m. movie 6 p.m. FC Intramural Softball Open League 5 p.m. FamY 4-H Meeting, 5-6 p.m.</p>	<p>FC Piloga 11 a.m. ALC Prime Rib for Two, \$33 member, \$34 non members, 5-9 p.m.</p>	<p>GC Member/Guest Two Person Scramble, 8 a.m., \$125 per team, sign up by June 23 ODR Beach Volleyball Tournament, Rec beach, 10 a.m., \$30 team entry, sign up by June 21, 454-6084 ALC Tuna Steak or Tilapia, \$12.95 members, \$13.95 non members, 5-9 p.m.</p>
27	28	29	30			
	<p>FamY Camp Adventure Week 5: "Fin"tastic Ocean Jamboree FC Cycle Pump Class—Zesty cycling 11 a.m. FC Yoga 11 a.m. FC Intramural Softball Women's League 5 p.m.</p>	<p>GC Unlimited golf \$10 every Tuesday & Thursday FC Cycle Pump Class—Endurance Cycling 11 a.m. FC Karate 3 p.m. FC Zumba 4:15 p.m. FC Intramural Softball Open League 5 p.m.</p>	<p>ALC Hap's Pizza, 11 a.m.—1 p.m., also available Chef Salad or Surprise Special, call ahead 454-5555 FC Pilates 11 a.m. FC Intramural Softball Women's League 5 p.m.</p>			

Hours of operation

Arnold Lakeside Center – Special function luncheons available. Call 454-3350 for arrangements. Catering/Management offices Tuesday-Friday 10 a.m.-3 p.m.; Lunch: limited menu Wednesdays, 11 a.m. – 1 p.m., call 454-5555 to place orders; Dinner: Arnold Express Menu or Hap's Pizza only Thursday 5-9 p.m., dinner or Arnold Express Menus and Hap's Pizza Friday and Saturday 5-9 p.m.; Main Bar Thursday 4:30-8:30 p.m., Friday and Saturday 4:30-9 p.m.; Social Hour Friday 4-6 p.m., Movie Night Thursday 6 p.m.

Family Member/Youth Programs – Tuesday through Friday 10 a.m. – 6 p.m., Saturday 12-5 p.m., First Friday Movie Night 5-8 p.m.; Camp Adventure runs 1 June through 6 August 7:30 a.m. – 4:30 p.m. Monday through Friday, During Camp Adventure Open Rec is open Monday through Friday 4:30-6 p.m. only.

Outdoor Rec – Main Office, Check In, Marina and Auto Shop Tuesday through Sunday 8 a.m. – 6 p.m., FamCamp Store Tuesday through Friday 3-5 p.m., Saturday and Sunday 8-11 a.m., 2-5 p.m, Lifeguards begin Memorial Day weekend GLC beach daily 10 a.m. – 6 p.m., ALC beach Saturday and Sunday 10 a.m. – 6 p.m.

Fitness Center – Monday-Friday 5 a.m.-9 p.m.; Saturday 8 a.m.-4 p.m.; Sunday 12-5 p.m.

Arnold Golf Course – Pro Shop and Driving Range daily 7 a.m.- dusk, Mulligan's Grill: daily 7 a.m. – 2 p.m.

Recycling – Monday through Friday 7 a.m. – 4 p.m.

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

Barber Shop: by appointment – Monday, Wednesday & Friday 8 a.m.-2p.m.; Thursday 8 a.m.-noon

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BX/Commissary customer eligibility

AEDC government civilian and AEDC contractor employees have access to the following limited items at the base exchange (BX): consumable items including toiletries and over-the-counter pharmaceuticals, food items such as candy, chips, little meal items, hot dogs and soft drinks. Alcohol and cigarettes are not included as consumable items. However, only active duty and retired uniformed services personnel and their dependents are eligible to use the base commissary next to the BX. The commissary hours of operation: Tuesday, Wednesday and Friday 9 a.m.-5:30 p.m., Thursday 9 a.m.-6:30 p.m. and Saturday 8 a.m.-4:30 p.m. The BX hours of operation: Tuesday through Friday 9 a.m.-5:30 p.m., and Saturday 8 a.m.-4:30 p.m. For more information contact Janie Warren, BX manager, at (931) 454-7153 or Jeff Lillard, Commissary manager, at (931) 454-3545.

AAFES Dividends

Dividends generated from the Army and Air Force Exchange Service (AAFES) overall earnings are a major contributor to 704th Services nonappropriated fund (NAF) construction and renovation projects as well as equipment purchases. 704th Services would like to thank all AAFES customers for their support. Dividends received for April 2010 totaled \$5,970.33.



Have a safe summer!

Briefs from H1**Arnold Lakeside Center
454-3350**

between paragraphs. One-inch top and bottom margin and 1.25 inch left and right margin submitted on CD. The application package must include CD containing essay with participant's name, date and word count, entry form (included in the brochure or online at aflubs.net) and current college/university acceptance letter or official transcripts. Essays not meeting the above parameters will be disqualified. Submit entries to 704th Services Marketing, 100 Kindel Drive Suite C303, Arnold AFB TN 37389-3321 by July 1. Final scholarship awards for school year 2010-11 will be announced by September 17. All nominees will be advised of scholarship selection or non-selection. Only one essay per eligible person.

Mid Year Mini Texas Hold 'Em Member Tournament will be held June 12, 19 and 26 beginning at 6:30 p.m. each night. Members First Plus members age 18 and older may play for free to determine the top three winners each night. First place winners will receive \$40 in Services Bucks and a Services chair with carry bag. Second place winners will receive \$20 in Services Bucks and a Services glass mug. Third place winners will receive \$10 in Services Bucks and a Services shot glass. No sign up required. Tables will be created by random draw of the players present at starting time. Players must be present at 6:30 p.m. to draw tables. No players accepted after 6:30 p.m.

Wednesday Lunch is available for dine in or carry out from 11 a.m. to 1 p.m. Call ahead to 454-5555 to place orders. No delivery available. For better service, you may call on any day and preorder. In addition to the Hap's Pizza menu, chef salad is available for \$4.50 which comes with ham, turkey, cheese and boiled eggs. Add grilled or fried chicken for \$2 more. Call to see what the Surprise Wednesday Special will be. The special could include items such as homemade chicken salad or lasagna.

Movie nights are every Thursday with a movie start time of 6 p.m. and dinner available from the Express or Pizza menus from 5-9 p.m. The schedule for June is: **June 3**—"Alice in Wonderland," rated PG starring Johnny Depp and Mia Wasikowska. Nineteen-year-old Alice returns to the magical world from her childhood adventure, where she reunites with her old friends and learns of her true destiny: to end the Red Queen's reign of terror. **June 10**—"The Bounty Hunter," rated PG-13 starring Jennifer Aniston and Gerard Butler. A bounty hunter learns that his next target is his ex-wife, a reporter working on a murder cover-up. Soon after their reunion, the always at odds duo find themselves on a run for their lives adventure. **June 17**—"How to Train Your Dragon," rated PG starring voices of Gerard Butler and Craig Ferguson. A hapless young Viking who aspires to hunt dragons becomes the un-

likely friend of a young dragon himself, and learns there may be more to the creatures than he assumed. **June 24**—"Clash of the Titans," rated PG-13 starring Sam Worthington and Liam Neeson. The mortal son of the god Zeus embarks on a perilous journey to stop the underworld and its minions from spreading their evil to Earth as well as the heavens.

Friday night dining room specials available from 5-9 p.m. June 4: Peel Your Own Shrimp \$12.95 members, \$13.95 non members. First Friday Jam night will be 6-10 p.m. **June 11:** Pork Schnitzel, potato cakes, peas & onions, \$13.95 for members, \$14.95 for non members. **June 18:** Shrimp Scampi with Fettucine Alfredo \$12.95 members, \$13.95 non members. **June 25:** Prime Rib for Two \$33 members, \$34 non members. Please call for reservations to ensure special is available. All specials and times are subject to change without notice. Please call ahead to ensure availability and openings.

Saturday availability and specials: June 5: Lawn Party: Grilling on the back patio, Barbecue Ribs and Barbecue Pork \$11.95 members, \$12.95 non members. **June 12:** Chicken Fried Steak \$9.95 members, \$10.95 non members. **June 19:** Baked Snapper \$11.95 members, \$12.95 non members. **June 26:** Tuna Steak or Tilapia \$12.95 members, \$13.95 non members. The dining room is open on Saturdays from 5-9 p.m. unless otherwise specified. Please call for reservations to ensure these specials are available. All specials and times are subject to change without notice. Please call ahead to ensure availability and openings.

The ALC is available for **special functions**. Call 454-3350 for details or to book a function.

**Family Member/Youth Programs (FamY)
454-3277**

Camp Adventure returns June 1 through Aug. 6. Camp Adventure is a day camp for children who have completed kindergarten through age 12. The camp is sponsored by 704th Services and run by skilled professionals through the University of Northern Iowa. Activities are held Monday through Friday at the Youth Center (building 3055, previously known as Community Activities Center) from 7:30 a.m. to 4:30 p.m. Children may attend any or all weeks but attendance information should be completed at time of registration. Each week is set to a theme and activities are planned to coincide with that theme including field trips to local attractions. Morning and afternoon snacks and beverages will be provided. Parents must supply their child with a daily sack lunch to include beverage (no carbonated beverage of any kind). Ensure that lunches are clearly marked with child's name. Cold items can be accommodated in the central refrigerator; however, meals will not be able to be heated. Outdoor and swimming activities are planned throughout the week (weather permitting). Each child should bring daily to camp an extra pair of clothing, swimsuit, towel

and sunscreen, if needed. Closed toe shoes must be worn at all time during camp. Fill out the Camp Adventure Application and return it, along with the other required documentation and weekly fees, to the Youth Center no later than two weeks prior to start date. For questions or more information call 454-3277.

The weekly themes are listed below:

Week 1: June 1-4 Zooprise Party Parade
Week 2: June 7-11 Viking Sails & Dragon Tales
Week 3: June 14-18 Space Raiders & Cosmic Invaders
Week 4: June 21-25 Rangers, Robots & Toy-box Treasures
Week 5: June 28- July 2 "Fin"tastic Ocean Jamboree
Week 6: July 6-9 Leaping Through the Looking Glass
Week 7: July 12-16 Wild Things & Warm Fuzzies
Week 8: July 19-23 Super Sports Spectacular
Week 9: July 26-30 Amazon Jungle Rumble
Week 10: August 2-6 An Invitation to a World Celebration

Youth Movie Night will be June 4 from 6-9 p.m. Ages 9 and up are invited to the Open Rec Center to watch a movie. There will be free popcorn and pizza by the slice for \$1. Juice and water will also be provided free of charge.

Join the Youth Center for **4-H Club meeting** June 24 from 5-6 p.m. 4-H Club is designed for youth in the 4th grade through 18 years of age.

**Fitness Center
454-6440**

Open League and Women's League Softball is now in full swing. Women's League games are Mondays and Wednesdays. Open League games are Tuesdays and Thursdays. Three games are played each night beginning at 5 p.m.

Random Fitness Initiative continues. Twice a month the Fitness Center staff will roam the base during lunch and award people for showing self initiative for working out on base at a location other than the Fitness Center. Those selected will receive a prize.

Ping Pong Ladder Tournament starts June 7. Singles and Doubles matches are scheduled by players Monday through Friday. Sign up for this event by June 1. Prizes will be given to the top three winners.

Complete Group Class Schedule is as follows: Cycle Pump classes are Monday, Tuesday and Thursday from 11 a.m. to noon. Each day has a different focus: Monday—Zesty cycling—an easy paced tempo ideal for beginners; Tuesday—Endurance cycling—a bit harder class with mountain climbs, in and out of saddle work and at times completed to a simulated tour ride; Thursday—Yellow shirt cycling—challenging and intense preparing for outdoor circuits with a combination of hill climbs, speed drills, in and out of saddle work and tempo rides. These are a super way to get a good cardio workout without excessive impact on your joints. Yoga is on Monday from 11 a.m. to noon and provides

strength and flexibility enhancement. Zumba class is Tuesday and Thursday from 4:15-5:15 p.m. Zumba is a fusion of music-dance themes featuring aerobic/fitness interval training with a combination of fast and slow rhythms that tone and sculpt the body. Pilates is a strength building and core class on Wednesdays from 11 a.m. to noon. Piloga is on Fridays from 11 a.m. to noon and also a strength building and core class. Cycling and Zumba classes are held in the Eagles Nest room upstairs. All other classes are held on the gym floor.

Karate class is held 3-5 p.m. Tuesdays and Thursdays on the main gym floor. This class is taught by volunteer Don Gardner of ATA. For more information on these classes contact Don at 454-3497.

The Fitness Center staff welcomes any **individual request for assistance** in developing a specialized fitness plan to help complete your fitness and health objectives. Call for assessments, instruction and fitness/workout plans.

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

Paintball set for June 12. Ages 10 and older are invited to play. Meet at Outdoor Rec at 9:30 a.m. Cost is \$20 and includes lunch. Remember to wear long sleeved shirts and long pants.

Outdoor Recreation is conducting a **basic skills fishing clinic** June 17 beginning at 2 p.m. The event is for ages 8 and older with a cost of \$5 per person. Adults who bring more than two children will pay \$3 per child after paying full price for the first two. Sign up deadline is June 11 and a late registration fee of \$5 will be applied after that date. There must be a minimum of 10 participants to hold the clinic. Maximum clinic size is twenty-five. Bring poles if you have them. Some poles will be provided. This clinic will get you ready and show you the aspects of fishing, which, if you do properly, could have you catching fish all day. Learn the proper ways to cast, reel in a fish, tie knots, know the best weather for fishing and how to recognize the best places to fish. There may be a competition at the end to see how you learned the skills. The winner will receive a prize.

Beach Volleyball Tournament is back June 26 at the GLC beach. Start off your summer with some fun outdoor volleyball. Competition gets underway at 10 a.m. and lunch will include hot dogs, chips, sodas and water. Teams of four consisting of ages twelve and older must enter by June 21. Entry fee is \$30 per team. Late registration fee of \$10 will be applied after June 21. There must be eight teams signed up and limited to no more than thirty-two. The tournament will be single elimination. Each team will play a two game match against another team as a warm up before beginning the tournament. The winning team will receive a trophy.

Swimming Lessons set for June 21-25. There will be two age groups for the swimming lessons. Age 6

months to 4 years old will be the Parent-Tot group. The other will be age 4 and up. Classes are held Monday through Friday at the Gossick Leadership Center beach. The first class will be 10-10:50 a.m. and the second class will be 11-11:50 a.m. Cost is \$15 for Members First Plus members and \$17 for non members. Deadline to sign up is June 18. There will be a \$5 late registration fee after that date.

Upcoming Events:

Cumberland Caverns Spelunking and Scenic Adventure, July 24, 8 a.m.-5:30 p.m., age 10 and up, \$41

Indoor Rock Climbing Adventure, Urban Rocks Gym in Chattanooga, Aug. 7, 8a.m.-5p.m., age 14 and up, \$38

Ocoee Rafting Trip, Aug. 14, 6:30 a.m.-6 p.m., age 12 and up, \$65

Ocoee Rafting Trip, Sept. 18, 6:30 a.m.-6 p.m., age 12 and up, \$65

Blue Man Group, Tennessee Performing Arts Center, Nov. 20, 5 p.m.-12:30 a.m., age 10 and up, \$85

Reservations for pavilion usage by authorized personnel must be made through the Outdoor Recreation Program. This includes the two pavilions at Gossick Leadership Center Beach, the Arnold Lakeside Beach and two in the Crockett Cove area. Rental fee is \$25 per day and a \$50 refundable cleaning deposit is required. Reservations may be made up to 30 days in advance at Outdoor Rec (building 3055, previously known as Community Activities Center) or by calling 454-6084.

Corn Hole is now available for rent for office functions and private events. Each set rents for \$10 per day or \$15 for two days. Four sets are available to accommodate larger groups. Rental reservations may be made through Outdoor Recreation (building 3055, previously known as Community Activities Center) or by calling 454-6084.

Reservation Policy: FamCamp and Crockett Cove reservations may be made 45 days in advance for active duty military and reserve components and 30 days in advance for all other eligible patrons. Marina reservations may be made 15 days in advance for active duty and reserve components and 10 days for all other eligible patrons. Reservations are made through Outdoor Rec, 454-6084.

The **Auto Shop** is a great place for do-it-yourself minor work and repairs. There is one stall available with a lift, air compressor, parts washer and a variety

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**Wingo Inn
454-3051**

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
454-3024**

The **Gossick Leadership Center (GLC)** may be used for events such as meetings, conferences, luncheons, dinners, etc. and is booked through the Services Conference Center Manager (CCM) up to one year in advance. Requests must be made in writing by email to arnold.glc@arnold.af.mil. All event coordinators are required to sign an agreement. Official unit functions are authorized at no charge and are defined as bona fide official meetings or training held as part of the normal duty day. Unofficial and private functions may be held for authorized users at a fee. Community members may host events with the approval of the Services Director for a fee. Outside food and beverages are not allowed. First consideration must be given to Arnold Lakeside Center. In the event they cannot accommodate, an outside source may be utilized with CCM approval. For more information contact the CCM at 931-454-3024 or the Community Services Flight Chief at 931-454-4062.

**AEDC Woman's Club
455-5676**

An election took place at the last AEDC Woman's Club meeting. The new officers of the club for 2010-2011 are from left to right: Elaine Eubannks, Historian, Patti Mathis, Treasurer, Sandie Simms, Secretary, Anne-Marie Pender, 2nd Vice President, Sande Hayes, 1st Vice President and Liz Jolliffe, President. The club will resume meetings in September. Anyone who would like to become a member of the club, call Monica Skelton 393-3698.

This is a private organization which is not part of the Department of Defense or any of its components and it has no governmental status.

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