



HIGH MACH

Serving the World's Premier Flight Simulation Test Center



Vol. 59, No. 9

Arnold AFB, Tenn.

May 4, 2012

Power supply upgrade to improve safety and savings

Project aims to preserve capabilities at space chambers 7V and 10V

By Philip Lorenz III
Aerospace Testing Alliance

People coming and going to work at AEDC, including test customers, have a lot invested in the facilities and buildings that make up the world's largest ground testing complex.

When they flip a switch to turn on an office light or to set conditions for a space chamber test on a multi-million dollar weapons system test project, they expect safe and reliable power will be avail-

able. Customers like the Missile Defense Agency are literally counting on it.

An aging infrastructure, even though well maintained, has limitations, said Elijah Minter, Investment Program Manager, AEDC Space and Missiles Systems Projects Section.

Minter is AEDC's Air Force project manager for a two-phase power system upgrade project impacting the Space System Test Facility (SSTF) and space chambers 7V and 10V.

"This is all about preserving our high-value national [test] capabilities that cannot be found anywhere else in the world," he said. Minter said he expects the project to be completed no later than October.

"With our current diesel generators no longer able to ensure a controlled warm-up of the chambers during a loss of electrical power, this project provides a dual source of safe and reliable power to protect personnel and test assets valued at more than \$150 million."

He added, "Responding to lessons learned from the past, the project team performed upfront planning that showed the original concept was not optimal for lifecycle cost savings. This will save \$2 million in lifecycle cost versus the 'traditional' diesel generator approach, and it will result in a dramatic reduction in the arc flash hazard."

Space chamber conditions, which

simulate the environment of space and near-space, require controlling and maintaining very cold conditions for long periods of time.

"You can only cool metal down and heat metal up so fast without damaging it, so once you're on conditions at 20 degrees Kelvin, you've got to be very careful to stay there or warm up under controlled conditions," Minter said.

The need for stable power for the heating and refrigeration systems for 7V and 10V is just part of the challenge driving the need for the upgrade.

"Even a short power outage can shut

See UPGRADE, page 4

Learning to advance technologies



Air Force Commercialization Readiness Program (CRP) manager Richard Flake talks to small business owners about the benefits of the CRP at AEDC's Small business Innovation Research Transition Workshop April 24. (Photo by Jacqueline Cowan)

SBIR workshop considered a success

By Patrick Ary
Aerospace Testing Alliance

Organizers of AEDC's first Small Business Innovation Research (SBIR) Transition Workshop say they garnered positive feedback about the event, and that it may lead to several new capabilities being developed at the center.

"Everyone thought it was very productive," said Dhruvi Upender, AEDC's SBIR program manager. "I think a lot of people made usable connections."

The two-day workshop held at the Arnold Lakeside Center April 24-25 brought together representatives from 40 companies to meet with representatives from AEDC, the Air Force Research

Laboratory, NASA, the U.S. Army Aviation and Missile Research Development and Engineering Center and the Air Force Nuclear Weapons Center.

The government's SBIR program allows businesses with fewer than 500 employees to compete for federal research funding on specific needs government agencies have. The business retains all data rights for five years after a project's completion, while the government also gets all data and intellectual property associated with the effort. In other words, the government defines a need for a capability, small businesses agree to take on the challenge and the government foots the bill for developing the technology.

One of the workshop's main focuses was the Commercialization Readiness Program (CRP), a program designed to help small businesses bridge technological gaps between development and commercialization of projects.

Several businesses and government agencies also were there to explore potential business opportunities. According to Upender, AEDC representatives met with representatives from 24 companies in one-on-one sessions to talk about technologies which could benefit the center. Out of those, Upender said they are moving forward to create SBIR Tech

See SBIR, page 8

ATA intern and coop program promotes technical excellence

By Philip Lorenz III
Aerospace Testing Alliance

An ongoing challenge to the future of flight simulation testing at Arnold Engineering Development Center is recruiting and retaining the best and brightest engineering students who will form the workforce of the future, according to Laurie Winton, ATA's University Programs Coordinator.

Winton, who has been the program's coordinator since 2009, is excited about the opportunities students are provided during their assignments and the relationships the students develop with each other and with professional mentors and managers.

Since ATA's contract began in 2003, the program has brought 172 students to AEDC from more than 25 universities in more than 12 states. Seventy-seven percent of the students have successfully completed the program and 57 have been hired as regular full-time employees.

The goal at present is to keep between 20 and 25 students in the program at any given time.

"[ATA's university intern and co-op program] is an opportunity for the students to have a paying summer job while obtaining real-world experience in their chosen field of study to help them solidify their career goals, find out if they're interested in the kind of work we do, and determine if they're a good fit with our company and this environment," Winton said. "We treat it as a long-term interview and utilize the

See INTERN, page 8

Car lovers of all kinds should find something at AEDC Cruise-In

By Patrick Ary
Aerospace Testing Alliance

There should be something worth looking at for just about anyone interested in cars at AEDC's Cruise-In May 11.

Fans of motorcycles, muscle cars, vintage vehicles and current hot rods will all find something for them at the show, with 69 vehicles on display. There are so many, Cruise-In committee member Tom Parrish can't pick a clear favorite he wants to see.

"I'm going to be glad to see any of the cars out there, really," said Parrish, a project engineer for test cell C-2. "There's a wide variety."

There are 66 cars and three motorcycles signed up to be on display in the ETF Annex parking lot next Friday. Parrish, who has a 2012 Mustang Boss 302 that he will drive to work that day, said committee members ended up getting more interest



from car owners than they expected, and they're hoping that means a high turnout from employees who want to take their mind off work for a little bit and do something relaxing.

"I think everybody's excited about it," he said. "It's a nice way to show off their

cars in a way they normally don't get to do, and it's something fun to do out here for a change."

Unlike traditional car shows, a Cruise-In is a more informal way to show a vehicle, Parrish said. There is no judging, so people can come and go as they please. The

only award that will be given is a People's Choice Award, decided by show attendees.

Photography will be allowed at the event, but photographers should follow the center's rules on photography of prohibited facilities, hardware or materials.

Vehicles should be in place by 11 a.m. and will be on display until 12:30 p.m. Participants will be receiving information about the parking plan soon. Each vehicle will have a placard listing its features, and participants will receive a dash plaque.

Food will be for sale at the event courtesy of the base Sergeants Association, so car lovers can buy lunch on-site while they look at the different vehicles on display. There also will be a DJ on site to provide 1950s and 1960s rock and roll music.

In This Issue....

AEDC Airman places first in swim event
... Page 3

Quarterly award winners announced
... Pages 9-10

AEDC employee loves seeing the world
... Page 12



HIGH MACH

Arnold Engineering Development Center
An Air Force Materiel Command Test Center

Col. Michael Brewer
Commander

Jason Austin
Director,
Public Affairs



Steve Pearson
General Manager,
Aerospace Testing Alliance

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

High Mach is published by *The Tullahoma News*, a private firm in no way connected with the U.S. Air Force, Arnold Engineering Development Center (AEDC) or Aerospace Testing Alliance (ATA), under exclusive written contract with ATA, center support contractor, at Air Force Materiel Command's AEDC, Arnold AFB, Tenn., 37389.

Everything advertised in this publication will be made available for purchase, use or patronage without regard to race, color, religion, sex, national origin, age, marital status, physical handicap, political affiliation or any other non-merit factor of the purchaser, user or patron.

The *High Mach* office is located at 100 Kindel Drive, Suite B212, Arnold AFB, Tenn. 37389-2212. Editorial content is edited and prepared by AEDC support contractor ATA. Deadline for copy is Wednesday at close of business the week before publication.

This commercial enterprise newspaper is an allowable ATA contractor publication for personnel at AEDC.

The content of *High Mach* does not necessarily reflect the views of the Air Force, AEDC or ATA. The appearance of advertising in this publication does not constitute endorsement by the Department of Defense, the Department of the Air Force, AEDC, ATA or *The Tullahoma News* of the products or services advertised.

For advertising information, call (931) 455-4545.

For general information about *High Mach*, call (931) 454-5655 or visit www.arnold.af.mil.

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

**Core Values**

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

**Vision**

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

Core Values

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

Five enduring areas of performance

By Col. James Hodges
6th Mission Group Commander

MACDILL AIR FORCE BASE, Fla.

(AFNS) – As a group commander and a colonel in the Air Force, I often have the opportunity to mentor people. Throughout the many mentoring, counseling, feedback and other sessions where I've assessed performance and provided direction for future improvement, five enduring areas of performance have emerged as keys to success. In order of priority, they are superior performance in primary assigned Air Force duties, professional military education, civilian education, base community service, and local community service.

The five performance areas are described by their importance and the amount of time that must be invested in them. It is easiest to portray them as individual slices of one larger pie.

The most important area and the largest "piece of the pie" is superior performance in primary assigned duties. The Air Force recruits, trains and retains Airmen to accomplish very important missions – to Fly, Fight and Win! Accordingly, all Airmen need to strive to be the best they can be in their jobs.

That is what makes our Air Force the best in the world and allows MacDill to boast it hosts the best Air Mobility Wing on the face of the planet! As the Air Force gets leaner, it's more important than ever that Airmen continue to do their best and embody "Integrity First, Service Before Self and Excellence in All We

Do," in order to accomplish our missions.

Furthermore, when individuals consistently show their professionalism and competency while performing their primary duties, not only does the mission get accomplished, but their teammates, supervisors, and subordinates learn to trust and rely on them.

Finally, when Airmen perform their duties in a sustained, superior way, they set themselves apart from their peers and get recognized.

The second performance area is professional military education. I often comment that if people are "in to" something, such as a particular sport, they want to learn more about it.

For example, I spent time in Alabama last year and was amazed at how much people there knew about the University of Alabama and Auburn sports teams. They knew school history, current players, team game plans and much more. Just as those Alabama residents were "in to" their college sports teams, we need to be "in to" the Air Force culture, heritage, strategy and other issues related to our profession, as this type of knowledge makes Airmen better Air Force leaders and "Air Minded" ambassadors.

Completing professional military education programs such as Airman Leadership School, Non-Commissioned Officer Academy, Squadron Officer School, and Air Command and Staff College gets Airmen outside of their

normal day-to-day jobs to meet with peers in an academic environment.

Finally, completing professional military education helps show they are just the type of motivated, competitive Airman the Air Force is looking for.

The third area is civilian education. The Air Force is looking for bright people with a broad range of knowledge who can solve problems. Our technically oriented force demands people with such skills and abilities.

Civilian education helps Airmen sharpen their minds and become better problem solvers. It also helps Airmen strive for self-improvement in ways that can help them achieve their personal goals while also serving their country.

Additionally, attending college courses often puts Airmen into contact with interesting people from the local community who can expand the Airmen's professional and social network.

Finally, educational achievement is recognized universally as a mark of accomplishment and an indicator of "whole person" attainment.

The fourth area is service to the base in areas outside of normally assigned duties. There are many activities and events base leadership need done throughout the course of a year that do not fall neatly into the purview of any one unit.

Therefore, Airmen are needed to join together on teams, committees, or other organizations outside of the normal unit structure to get these activities ac-

complished. Serving in support of such activities goes against the traditional creed from basic training where young Airmen are sternly told, "Don't volunteer for anything!"

In the Air Force, the opposite is true. We NEED Airmen to volunteer, otherwise, these other important activities and events cannot happen. Serving on such teams, committees, or organizations can be very rewarding personally and expand the group of colleagues and friends Airman have around the base. A wise chief once told me the highest performing, "whole person" Airmen do at least one thing to serve at the unit, group and wing levels every year.

The fifth and final area is service to the community outside of the base. There are a great many needs in American society today that require the contribution of private citizens. I firmly believe Airmen are outstanding Americans who have so much they can offer to selflessly support their fellow citizens in addition to their Air Force service.

Whether Airmen mentor young people as Big Brothers or Big Sisters, build homes with Habitat for Humanity, volunteer to feed the homeless, or address another need, there

is a cause in the local community that can suit their passions and skills. Such service not only benefits the needy, but also reinforces a habit of selflessness in our Airmen and puts them in contact with members of our local community in a very positive way.

Local citizens, whether they are the ones in need or serving the community themselves, will appreciate and recognize the assistance of our Airmen. Airmen who provide their time and talents helping out in the local community endear us with our neighbors outside the base gates.

In conclusion, if Airmen strive for excellence in these five performance areas, Air Force missions and community needs will be better served. Additionally, through performing their primary duties and also getting outside of their normal comfort zone, Airmen will increase their networks of professional and social contacts they can call upon.

Finally, Airmen who fully exemplify each of these areas will naturally stand out among their peers, will achieve their professional and personal goals, and will personify the "whole person" concept the Air Force values so greatly.

Time to change our EPR culture

By Master Sgt. Lee Hoover
American Forces Network Incirlik

INCIRLIK AIR BASE, Turkey (AFNS)

– The second I pinned on staff sergeant I knew I could do it. I could be the NCO the Air Force wanted me to be. I could write fair enlisted performance reports (EPR) and prove the naysayers in airman leadership school wrong. Sure, what we learned might "not be the way it's done in the real Air Force," but that didn't mean it couldn't be.

I was going to prove them wrong. I was going to set the example.

But I didn't. Before I could spell EPR I had fallen in line. I rated every Airman the same - fives across the board. Some deserved it. Others probably, admittedly, did not.

So, what happened? Cul-

ture happened. Culture influences the way a country, a community, even a military organization operates. Members of a culture share certain beliefs that drive their actions. These beliefs are often unconscious, but so firmly held that to think otherwise – and to respond otherwise – is, as Vizzini from "The Princess Bride" puts it, inconceivable.

In America we believe timeliness is important. We respond by tracking every minute, making firm appointments and rushing to be on time. When we do run late our bodies physically respond with stress. In countries that feel differently about time this is, yes, inconceivable.

See EPR, page 4

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 Brewer
AEDC Commander

It takes Airmen from every specialty to get job done

By Lt. Gen. David Goldfein
Commander, U.S. Air Forces Central Command

SOUTHWEST ASIA (AFNS)

– Recently, two of our U.S. Air Forces Central Command Airmen (AFCENT) were criticized online by other Airmen for receiving Bronze Star decorations after completion of their deployments to Afghanistan.

I'd like to take this opportunity to explain the rigorous awards board process and emphasize the meticulous manner in which we ensure each award is justifiable and each recipient is worthy.

We recognize and honor our Airmen for their meritorious and heroic actions.

My AFCENT staff oversees a thorough awards approval process to ensure medals are presented to only the most commendable candidates. This 20-year decoration process has a demonstrated history of consistency, and we work hard to maintain its integrity.

Led by a general officer, the board of combat-expe-

rienced colonels and chief master sergeants carefully and deliberately guarantee our Airmen deserve the awards they receive.

I am the final approving authority for each medal.

Every day, our innovative Airmen excel in the deployed environment.

Consider the security forces Airman who helped protect his base from more than 2,500 disgruntled Afghan citizens. He stood his ground, despite suffering detached retinas, body bruises from thrown rocks and face wounds from high-powered pellet rifles.

Or the KC-135 maintainer who worked in minus-20-degree temperatures to extend the range and flexibility of our combat aircraft, which provide close air support to protect coalition ground forces battling insurgents.

Or the finance officer who worked alongside special operations forces. She executed \$160 million in operational funds across

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/limages/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.

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

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

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

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

AEDC's Capt. John Dayton brings home first place in Air Force swimming event

By Patrick Ary
Aerospace Testing Alliance

Most swimming pools are just starting to fill up for the summer, but one AEDC Airman has already spent plenty of time in the water.

Capt. John Dayton, Assistant Operations Officer in AEDC's Turbine Engine Ground Test Complex, competed April 19 in the Headquarters Allied Air Command Ramstein Swimming Championships in Zakopane, Poland. He was part of the U.S. Air Forces in Europe men's freestyle relay team and also came back to AEDC with a first-place win in the 100-meter breaststroke, his strongest event.

Dayton, who has been swimming competitively since high school and was on the swim team at the Air Force Academy, also served as coach and captain of this year's team.

"Basically, it's a little more organizational work beforehand – helping get things together, helping answer people's questions and then also coming up with the lineup for the event and making sure we have people to swim each event and making sure they're in what's appropriate for them," Dayton said.

This is the sixth time Dayton has competed with the Air Force's swim team in the competition. The Air Force team competed with other NATO teams from Germany, Poland, the United Kingdom, the Netherlands and Belgium. He has visited most of those same countries for past competitions.

"I love exploring, traveling and

seeing new places," he said. "Each time you see someplace new. That is great to me."

The Air Force team is not a standing team, so Dayton and other members of the team apply to swim for the team each year. Many of the teams they compete against are the same way, meaning team members get to meet other hardworking airmen from other countries. The event is designed as a "diplomacy through sports mission," Dayton said.

"One of the guys that races me, and has raced me for the last couple of years in the 100 breaststroke, is a German," he said. "Because we know each other and we've been there for two or three years, that helps me introduce new members of my team to him, new members of his team to me, and that helps build that relationship. It's the same thing across all of the teams. Normally every year one or two friendly faces from the past really make the camaraderie happen and introduce people all around."

Dayton graduated from the Air Force Academy in 2003. He arrived at AEDC in January from Mountain Home Air Force Base, Idaho, and is now less than two hours from home. He grew up in Hendersonville and swam competitively at Hendersonville High School, as well as for Excel Aquatics. He said it's good to be home after living far away for several years.

"It's good to be where I can visit with family and friends without as much of a travel burden," Dayton said. "I have a younger brother and sister who are fin-



AEDC Capt. John Dayton is the Assistant Operations Officer for AEDC's Turbine Engine Ground Test Complex. Dayton spent a week away from work in April to compete in the Headquarters Allied Air Command Ramstein Swimming Championships, an event that brought together the U.S. and five European countries for what Dayton calls a "diplomacy through sports mission." (Photo by Jacqueline Cowan)

ishing up college over the next couple of years, so it's good to be back and near them while they're doing that."

Since he left the Air Force Academy, Dayton said he has shifted his exercise regimen away from exclusively swimming and more toward triathlon training. He focuses more on swimming leading up to the competitions. But despite broadening his workouts, Dayton said he still loves swimming because of its mix of team camaraderie and individual competition, and he will continue to compete as long as he can.

"I enjoy the competitive aspects of it from an individual swimming sport, but the best friends of my life have all been swimmers who slugged through the practices with me and then through the competitions," Dayton said.



Dayton, pictured here in a 2005 swimming event, also served as coach and captain of this year's competition. (Photo provided)

ATA makes donation to local PMI chapter



The Project Management Institute's Chattanooga Chapter kicked off its formation of the new Southern Middle Tennessee Branch April 17 with a donation from ATA. The branch was formed to help meet the needs of project managers in the area by providing training and education within a professional society. Pictured from left are ATA director of Projects and Design Engineering Louis Vanacore, Susan Rymer, Doug Brown, JonPaul Wallace, Peggy Glass, Erin Wiles and PMI Chattanooga President Terri Turbeville. (Photo provided)

Senate confirms 3 AFMC senior leader nominations

WRIGHT-PATTERSON AIR FORCE BASE, Ohio – Air Force officials announced April 27, 2012, the Senate confirmations of three Air Force Materiel Command senior leaders' nominations.

Officials announced the Senate confirmation of Maj. Gen. Andrew E. Busch, commander of the Ogden Air Logistics Center at Hill Air Force Base, Utah, to the rank of lieutenant general with assignment to the position of AFMC vice commander here.

Also announced were the confirmations of Lt. Gen. Charles R. Davis, commander of the

Electronic Systems Center at Hanscom Air Force Base, Mass., to the position of Military Deputy, Office of the Assistant Secretary of the Air Force for Acquisition at the Pentagon, in Washington, D.C.; and, Maj. Gen. Bruce A. Litchfield, commander of the Oklahoma City Air Logistics Center at Tinker AFB, Okla., for promotion to the grade of lieutenant general, with assignment to lead the new Air Force Sustainment Center at Tinker AFB.

Prior to Busch's assignment as the Ogden ALC commander in July 2009, he was the commander of Defense Supply Center

Richmond, a field activity of the Defense Logistics Agency, in Richmond, Va.

Busch has served in a variety of sortie production roles and commanded three maintenance squadrons and a maintenance wing. He also has experience in supply, transportation and acquisition issues at the wholesale logistics level. Busch is Level III certified in life cycle logistics and Level II certified in program management. He is a designated Joint Qualified Officer.

Prior to Davis' assignment as ESC commander in September 2011, he was the Air Force

Program Executive Officer for Weapons and Air Armament Center commander at Eglin AFB, Fla.

Davis' previous assignments include serving on the Air Staff under the director of Air Force Test and Evaluation; leading divisions in both the F-16 and F-15 program offices; serving as director of the F-15 and Flight Training System Program Offices; and serving as the Joint Primary Aircraft Training (T-6A) System Program director. He is an experimental test pilot with more than 3,400 flying hours in 53 types of aircraft.

See AFMC, page 4

Today last day to RSVP for AIAA luncheon

The American Institute of Aeronautics and Astronautics (AIAA) Tennessee Section is having an annual Awards Luncheon May 8 from 11:30 a.m.-1 p.m. at the Arnold Lakeside Center. Membership in AIAA is not required for attendance.

An Italian lunch buffet (bowtie pasta, fettucini pasta, red and white sauce, meat lasagna, garlic bread and salad) will be served at 11:30.

An awards presentation, kicked off by a short introduction from Col. Michael Brewer, will begin at noon. Awards will include the prestigious General H. H. Arnold Award, presented to an individual recognized for outstanding personal contributions to the advancement of aerodynamic or astronautical sciences.

Special awards will also be presented to recognize outstanding teams and individuals that have provided significant support and/or outstanding achievements within the technical community.

This year's awards also include the Billy J. Griffith Engineering Analysis Award, which is presented for an outstanding application of the integrated test and evaluation "Methodology."

Cost is \$9.95 per person (non-ALC member) or \$8.95 per person (ALC member).

RSVP is strongly suggested in order to obtain an accurate count for planning. If attending, please contact Joe Wehrmeyer by close of business today at joseph.wehrmeyer@arnold.af.mil or 454-4345.

UPGRADE from page 1

down the computers that control the system and collect test data,” he said. “That’s where the uninterrrupted battery backup system comes in. Since the battery backup system has a really fast transfer rate, the computers don’t even blink.”

Minter said the battery backup system addresses one problem, but the power upgrade will provide additional power to keep the refrigeration compressors operational, lowering the risk of component damage and the loss of data due to a longer outage.

“The refrigeration compressors do not require a fast transfer rate,” he said. “But they do require a lot more power, so that’s the second half of the job. Currently, small diesel generators are used to provide power in an emergency like most other facilities.”

He said diesel generators are maintenance intensive, expensive and must be replaced approximately every 20 years.

“You’ve got low voltage and medium voltage that you’ve got to support,” Minter said. “At the completion of this project, there will be two power sources fed from two interconnected unit substations. That’s not been done anywhere on the base before.”

However, the customer will still have the option of bringing in a diesel generator as additional backup during a test.

“We have the ability to hook up a temporary generator if we needed to,” Minter said. “We can set two 1 megawatt generators out on the grass and plug them in, literally plug and play to these systems.”

The current phase of the project has involved

“... the upgrade decreases the potential for lost test time, reduces the possibility of damage or contamination to their test articles and increases the reliability of the test chamber operation.”

— Capt. Tim Calver
Space chamber test project manager

installing the medium and low voltage unit substations without impacting ongoing test operations.

Minter said the new consolidated substations have many advantages over the older units.

“These two substations are located inside what is called an e-house, where a technician who needs to work on them will be in an enclosed, dry climate-controlled building,” he said. “They’ve got adequate lighting, they’re out of the weather conditions and they can safely operate all of the equipment inside the e-house without environmental concerns, plus it makes the equipment last significantly longer.”

Describing the substations, Minter said, “They are a beefed up version of the breaker panel in your house. It’s a large bank of giant breakers that distribute power to the various parts of the building. The unit substation consists of a transformer and the switchgear – it’s stepping down the voltage each time.”

Minter said the new equipment is safer to operate and maintain.

“We’re also getting gas insulated switchgear (GIS),” he said. “It’s a new design of switchgear that virtually eliminates the ability for an arc flash to occur from that piece of equipment.”

Kirk Rutland, AEDC’s maintenance division deputy, said testing conducted

in the space chambers requires reliable power for long periods of time.

“Most of the 10V tests run 24-hours-a-day for several weeks at a time,” he said. “While we rely on back-up generators in other areas, 10V can take a day or two to safely come off test conditions and return the test article to ambient conditions. Relying on an emergency generator for that timeframe presents a higher risk.

“The major risk of power interruption or failure is to the test article and some of the sensitive test instrumentation within the chamber environment. Both can sustain damage if the environment rapidly changes. Most of this test equipment includes unique items costing several millions, taking a long time to replace.”

Capt. Tim Calver, a space chamber test project manager with AEDC’s Space and Missile Ground Test Complex, put the current upgrade project into context.

“The power project will increase the reliability of the 7V and 10V chambers and supporting systems by providing redundant power that will seamlessly transition to an alternate source should the primary source be interrupted,” Calver said.

“As a result, the 10V and 7V chambers will have increased robustness against unscheduled power outages that might occur

during testing. The greatest benefit will be to our 10V and 7V customers as the upgrade decreases the potential for lost test time, reduces the possibility of damage or contamination to their test articles and increases the reliability of the test chamber operation. Consequently, customer test programs will be better protected from unexpected costs related to power loss or disruption.”

Calver also commented on the consequences of a prolonged loss of power to the space chambers at AEDC.

“A power failure or interruption while the chambers and test articles are at test conditions could result in shutdown of the support systems needed to sustain cryogenic and vacuum environmental test conditions, possibly allowing cryogenic deposition of ices that degrade chamber performance,” he said. “As a result, an outage could necessitate a warm-up cycle to clean and decontaminate the chamber and test article. Safeguard procedures are in place to protect test articles from temperature and pressure rises that could occur if a power outage occurs, but cryogenic vacuum conditions can only be held for a limited time during a prolonged outage.”

Calver added, “It takes a significant amount of time to pump a chamber down to the proper temperature and pressure ranges and any unexpected rise in these conditions could add costly time to a test. Without a doubt, the installation of redundant, reliable power is a boon to our test customers, the Space and Missile Ground Test Complex, and AEDC.”

EPR from page 2

In certain communities, parents believe children need tough discipline. They respond by collecting spanking sticks, publicly yelling at their children and assigning multiple chores. In communities that raise their children in a gentler environment this is, you got it, inconceivable.

In the Air Force, when it comes to the EPR, we also have beliefs that influence our behavior. We believe a five EPR is necessary for promotion. We believe inflated ratings don’t matter because they happen everywhere.

We even believe a three or four EPR is reserved for “bad” Airmen. These aren’t what the numbers say, nor what the EPR says; but they are what we believe, and we respond accordingly. In fact, these assumptions are so ingrained in our minds that it’s hard to reject them. They are so strong that even those who don’t want to believe, those who want to rate fairly, struggle to break free from the cultural pressure.

If we understand the inflated ratings as a symptom of our shared beliefs, one thing becomes clear: the enlisted evaluation system doesn’t need to change. We need to change. Our culture needs to change.

Unfortunately, culture change isn’t easy. Just ask Kevin Bacon.

In the movie “Footloose,” Bacon moves to a town that believes dancing and pop culture lead teenagers to sex, drugs and, ultimately, death. Town residents respond by outlawing dancing, hiding pop records and burning inappropriate books.

Bacon faces intense pressure to conform to these standards, but he refuses. He’s ridiculed, shamed and treated as a troublemaker, but he doesn’t give up.

He puts on his dancing shoes and begins to fight back.

At first he stands alone, dancing by himself in an empty warehouse (I never understood that scene), but as time passes, more of his neighbors begin to dance beside him. As the number of dancers grows, his movement grows. Eventually the town begins to see their stance against dancing for what it is – a misplaced belief.

Last week I read Chief Master Sgt. of the Air Force James Roy’s perspective on bold leadership and thought now is the time for us to make like Bacon and change the way our Air Force operates. It will take more than dancing shoes, of course. It will take bold leadership from the very top to the very bottom, it will take open and honest dialogue to expose our beliefs for what they really are – beliefs, not facts – and it will definitely take time.

It always takes time, but that time can’t start until we begin.

The question is who is going to respond to Roy’s challenge? Who is going to set the example, to stand out from the crowd, to take it upon themselves to change these beliefs that are holding us back?

Or maybe the question isn’t who. I’d be dumb to think Airmen everywhere are not ready for this change.

Maybe the question is when. When do we start holding ourselves, and others, accountable for doing proper feedbacks and setting goals for our Airmen? When do we start demanding honest and fair ratings according to the EPR scale? When do we start supporting those who have already tried?

Today would be good.

AFMC from page 3

Prior to Litchfield's assignment as commander of the Oklahoma City ALC in November 2011, he was the Special Assistant to the AFMC Commander at Tinker AFB.

Litchfield's previous assignments include logistics and acquisition assignments supporting weapon systems at wing, major command,

Air Staff and the Joint Staff levels. He has commanded a supply squadron, logistics group and combat support systems wing and was the Director of Logistics at Headquarters Pacific Air Forces, Hickam AFB, Hawaii.

The command's maintenance and supply mission will be led by the new Air

Force Sustainment Center at Tinker AFB. The AFSC will consolidate oversight of most missions now performed at the Oklahoma City Air Logistics Center at Tinker AFB; the Warner Robins ALC at Robins AFB, Ga.; and the Ogden ALC at Hill AFB. The three ALC headquarters will stand down and their

combined workforce will report to the new AFSC. Each location will continue to operate one of the Air Force's three air depots, to be named the Oklahoma City, Warner Robins and Ogden Air Logistics Complexes, respectively.

The AFSC is planned to reach initial operating capability at Tinker AFB in

October 2012.

The AFMC restructure was announced Nov. 2, 2011, as part of several Air Force efficiency efforts. The restructure will cut overhead costs and redundant layers of center headquarters staffs and is expected to generate Air Force savings of \$109 million annually.

The restructure will improve AFMC's overall management of the Air Force's research and development, test and evaluation, life cycle management and sustainment of weapon systems and nuclear support, and will allow AFMC to provide better support to the warfighter and use taxpayer dollars more efficiently.

AEDC volunteers help out at Special Olympics

AEDC volunteers helped out at the 43rd Annual Area 13 Special Olympics April 19 at Tullahoma High School. Clockwise from right: AEDC's Holly Jones and Misty Layne celebrate with one of the participants in the 43rd Annual Area 13 Special Olympics April 19 at Tullahoma High School; Amanda Stroop and Josh Meeks hand out trophies; Janice Willis, left, and Misty Layne talk with one of the participants; AEDC Honor Guard members 2nd Lt. Carl Tegtmeier, 2nd Lt. Matthew Karczewski, 1st Lt. William Edge and 1st Lt. Wes Meredith presented the colors at the opening ceremony; and some of the volunteers representing AEDC at this year's Special Olympics included Misty Layne, Wilsie Ford, Janice Willis, Kandi Pearson, Sherry Covington, Rosemary Matty and Jere Matty. (Photos by Jacqueline Cowan)



INTERN from page 1

program to give the students an opportunity to show us what kind of workers they're going to be prior to hiring them as regular full-time employees."

Students are paired with an AEDC employee who acts as a technical mentor to the student. An effort is made to match each student with a mentor whose job is related to the student's field of study and interests.

Winton said matching students with their AEDC mentor is more nuanced than it may appear.

"We try to match the students' broad interests," she said. "For instance, we'll ask mechanical engineering students if they are more interested in doing systems engineering, project management, hardware design, or data analysis type work. For electrical engineering students, we may ask if their interests are in instrumentation, design, systems and maintenance or power distribution."

Winton also serves as a type of mentor in assisting the students with the transition from school to the work environment and coaching on business communication, resume building and presentation skills.

There are few differences in the two parts of the program.

"Co-op students can apply once they've com-

pleted 45 semester hours and generally work either in the spring (January to May) or the fall (August to December)," Winton said. "They receive college credit in addition to being paid for their time working."

In contrast, the interns, who are college juniors or seniors, work at AEDC for approximately 12 weeks during the summer months and while paid, they receive no college credit for their work assignment.

Dr. Rob McAmis, Deputy Director of ATA's Integrated Test and Evaluation Department, has mentored many college students during his 28 years at AEDC. He said working with the program's students has been "a great experience."

McAmis, who earned his mechanical engineering degrees from Tennessee Technological University (B.S.), the University of Tennessee at Knoxville (M.S.), and the University of Tennessee Space Institute (Ph.D.) said, "I enjoy passing along the passion for science and the breadth of opportunities that exist at AEDC to apply our engineering skills.

"[This program] is important for the student and ATA and AEDC. The student gets exposure to real-world engineering problems and begins to understand the difference between homework problems and

industry-based problems.

"One significant difference the students see quickly is that most of the difficulty in industry-based problems exists in defining the problem. In college, the students are most often given problems and their efforts are focused on the solutions. However, problem definition is never that simple in industry."

Scott Bartlett, AEDC's Chief Engineer and alum of Tennessee Technological University (BSME) and the University of Tennessee Space Institute (MSME), was a former intern at Pratt & Whitney and secured a summer job at AEDC with Sverdrup in 1980.

"I had interesting and challenging (read that as 'not busy work') assignments in both places," Bartlett said. "These jobs and how they affected my view of the engineering profession are why I am interested in the co-op and intern program now."

His interest is more than just talk. Bartlett has mentored several students in his 28 years at the base and views the opportunity to witness student intellectual curiosity as one of the most important aspects in evaluating a future engineer.

"AEDC and ATA are a multi-discipline operation, and each year engineering disciplines are becoming

more integrated," he said. "We have a great opportunity to allow students to diversify their technical exposure here and find great fits between the students' needs and ours."

Winton encourages feedback from the students who participate in the university co-op and intern program.

"We have an in-depth exit interview questionnaire that we obtain from each student each time they work to help evaluate the students' experience with the program," she said. "We also ask them to assess their experience with their mentor, manager, and the University Programs Team to find out what we're doing right and what we can do better."

"We feel good about some areas of what we're doing, but know there are areas for improvement as well."

Tom Northcott, an ATA Mission Support Utility Systems Engineering group lead, first came to work at AEDC during the summer of 2001 as an intern and worked a total of three terms.

He graduated from Tennessee Technology University in December 2003 with a B.S. degree in electrical engineering.

Northcott said Tennessee Tech had posted information about the newly

developed intern program at AEDC.

"That was where I ultimately wanted to work, so I thought it would be a good opportunity to get my foot in the door," said the former enlisted Marine. "I think it [the intern program] greatly helped my ability to obtain a full-time position in January of 2004."

He added, "Joe Capps was the engineer who I worked with the most. I worked with several engineers and electricians in the PWT area and learned a lot about the facility and electrical work in general. It reaffirmed my desire to continue pursuing my electrical engineering degree and come to AEDC for a full-time position."

Dana Alexander, a system engineer with ATA roads and grounds, worked for ATA as an engineering intern during the summers of 2008 and 2009.

"I first found out about AEDC and ATA at an engineering career fair at TTU," she recalled. "I spoke with the ATA University Programs representative at the career fair and was able to set up an interview."

In May 2012, Alexander graduated from Tennessee Tech with a bachelor's degree in civil engineering.

"My internship allowed me to connect the dots between what I was learning

in school and how it can be used in real life," she said.

"It also helped me see the big picture of what being an engineer will really be like."

"My internship made transitioning to a full-time ATA employee much easier. After two summer internships, I knew I was going to work at a company that I was already comfortable with. The adjustment period was very short, which allowed me to jump in and get to work."

She said her mentor, Erin Robinson, did a great job "and really helped me see what a day in the life of an engineer is like."

"One of the most important things I learned as an intern was the importance of communication between co-workers. Everyone benefits from the intern/co-op program at ATA," Alexander said. "Students have a chance to learn real life engineering skills, and ATA has the chance to preview potential new hires."

Summer students are scheduled to report to AEDC in May. There will also be some co-op students added in the near future for the fall 2012 semester. Applications should be made through ATA's online talent management system or contact Laurie Winton at (931) 454-6686 or by e-mail, Laurie.Winton@arnold.af.mil for more information.

Defense Acquisition University registration to open in May

By Linda Moore

AFMC Manpower, Personnel and Services

WRIGHT-PATTERSON AIR FORCE BASE, Ohio – Defense Acquisition University (DAU) registration will open around May 17, 2012, and students should apply as soon as possible since classes fill quickly. Members' applications will be processed by priority, supervisor approval date and class start date, with Priority 1 students taking precedence.

Acquisition workforce members should regularly

monitor the ACQ Now website for the most current information regarding DAU registration and course updates. Most resident classes only hold 30 students, and students should apply upon immediate release of the schedule. It's important for applicants to note that a hundred or more other students may be applying for the same class – especially if it is the first one on the schedule.

For commonly used

courses such as ACQ 201B, Intermediate Systems Acquisition Part B, students should apply for more than one offering. Even though ACQ Now may show availability, the ACQ Now site is refreshed every 24 hours. With classes filling up and forming waitlists, students will not be able to see updates until the following day.

Students are advised to apply early and for multiple offerings. APDP certification delinquencies are tracked and reported to the Air Force Materiel

Command vice commander semi-annually.

Supervisors of employees on acquisition coded positions are responsible for ensuring required training is completed during the given grace period. Annual feedback sessions are an opportunity for supervisors to discuss and develop employees' training plans to include required acquisition training. This is an important step to ensure the member is ready to register and to get his or her desired schedule for required courses as soon as registration opens.

In fiscal 2012, SAF/AQH-AFATO processed nearly 1,000 applications on the first day of registration beginning at 4 a.m. Central Standard Time. The number of students in the Defense Department taking DAU training is more than 100,000. These courses are open to students across the entire federal government, with all military service components – Army, Navy, Air Force, DOD – as well as other service components, federal agencies and organizations registering for DAU courses at the same time.

SBIR from page 1

Transition Plans for 19 of them.

Starr Ginn, the chief engineer for NASA's Dryden Flight Research Center Aeronautics Research Mission Directorate at Edwards Air Force Base, Calif., attended the workshop to gather some information and see if some of the work being done at other agencies could be used for NASA Dryden's wind tunnel, engine testing and flight test technique facilities.

"I would love it if NASA would sit down and pull all their small businesses together and invite some industry and DOD partners to come out and see if there are some partnering opportunities," Ginn said. "This is a wonderful event."

The event drew praise from small business owners as well. Sivaram Gogineni, president of Spectral Energies LLC, is familiar with SBIR work as well as CRP. He was looking for new opportunities to demonstrate the work his company does in laser and optical-based diagnostics for propulsion systems and large-scale wind tunnel facilities.

"It's beneficial in terms of networking," Gogine-

ni said. "It's beneficial in terms of making them aware of our company's technologies and to learn about new opportunities from the sponsors – and also more about the technologies other companies are developing."

Gogineni, whose company is based in Dayton, Ohio, and employs 20 people – 13 of them with doctorates – said the SBIR program helps everyone involved.

"Organizations like AEDC benefit because innovative ideas come from small businesses," he said. "Large corporations, their rules are different. Small businesses are agile. They're adaptable and flexible and not afraid of tackling the problem, merely because of their survival needs and because they like the technologies. It's mutually beneficial."

Ginn agreed that both sides benefit.

"It's huge," she said. "It allows us to work on a big problem, and SBIRs create a more efficient process to being able to have work done in parallel that's essential for us to develop our new technologies."

AEDC quarterly award winners announced



1st Lt. Charmeeke Scroggins
Company Grade Officer

Scroggins, Space and Missiles project manager, was recognized for sharp project management and keeping tests on track.



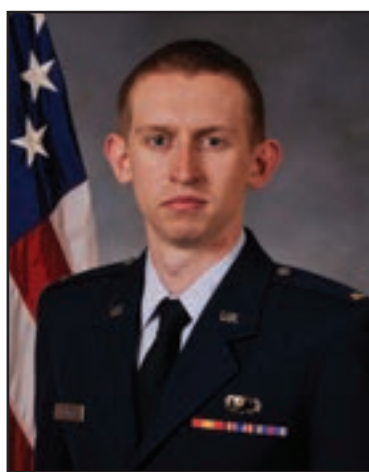
Master Sgt. Randall Lusk
Senior Non-Commissioned Officer-in-Charge

Lusk, NCOIC of fabrication, was recognized for ensuring OSHA compliance in the Model Shop and helping prioritize more than 60 jobs in the Model Shop.



Tech Sgt. James Key
Non-Commissioned Officer-in-Charge

Key, weapons safety manager, was recognized for directing and implementing AEDC's weapons safety program and managing munitions recovery.



2nd Lt. Carl Tegtmeier
Honor Guard Member

Tegtmeier distinguished himself by performing flawlessly in four honor guard details.



Trung Le
Civilian of the Quarter
Scientist/Engineer

Le, Environmental Compliance Program manager, was recognized for outstanding management and flawless execution of the fiscal 2012 Air Quality, Drinking Water, Storm Water, Storage Tank and Solid Waste programs.



Shanda Peterson
Civilian of the Quarter
Administrative

Peterson, budget analyst, was recognized for demonstrating exemplary performance as an accounting tech in AEDC's Financial Analysis Division.

Upender wins Dunne People's Choice award

Dhruti Upender, AEDC's Small Business Innovation Research (SBIR) program manager, is the recipient of the William M. Dunne People's Choice award.

Upender was the driving force behind the center's first ever tech transition workshop, bringing in companies and DOD partners from all over the country to highlight and discuss new technologies.

Upender was recog-

nized for aggressively pursuing large business stakeholders in AEDC small business developments. She also wrote seven proposals that secured an additional \$1.8 million in technology development funding for the center.

Under her guidance, Upender has created relationships between the Test Division, Technology Branch, Contracting and Financial Management

departments at AEDC that have enabled the center's SBIR team to achieve execution rates of 99 percent.

She has used innovative funding mechanisms to contribute to the mission's success by using SBIR dollars to fund ATA personnel for development, and leveraging funding to develop tools for ongoing testing.

AEDC has been recognized by SBIR headquarters as the

model SBIR program due to the high transition rate. Upender has refocused the evaluation process to ensure higher technology readiness levels at the end of development, increasing the probability of transitioning technology to commercialization.

Upender's success at AEDC has led to SBIR headquarters asking for her assistance in improving the program at other centers.



Upender

Air Force to launch myPers

By Tech. Sgt. Steve Grever
Air Force Personnel, Services and Manpower Public Affairs

JOINT BASE SAN ANTONIO-RANDOLPH, Texas (AFNS) – Air Force officials are launching a new name for online personnel services and human resources knowledge: myPers.

Rebranding the Air Force Personnel Services website, previously known as AFPERS, requires more than just a flip of the switch. Members of the Air Force Personnel Center are in the process of addressing all IT and knowledge updates to ensure a smooth transition.

"The Air Force has made tremendous strides in providing world-class, online personnel services to our total force," said Debra Warner, the Air Force's Personnel Service Delivery Transformation chief. "Rebranding AFPERS to myPers is another step in the right direction. Our website delivers reliable, integrated and secure

information technology to improve personnel services accessibility and usability."

The myPers naming convention mirrors the myPay model that Department of Defense service members and civilians are familiar with and use to access their Leave and Earnings Statements, W-2s and Thrift Savings Plan information.

"The Air Force continues to fundamentally shift the way personnel services are provided, from primarily face-to-face interactions to a tiered model with services delivered through online self-service, the Total Force Service Centers and fewer in-person interactions," said Lt. Col. John Silverman, the Air Force Personnel Center's knowledge operations chief. "Airmen can view myPers from home and access personnel information from any computer."

AFMC to promote Employee Physical Fitness Month

WRIGHT-PATTERSON AIR FORCE BASE, Ohio – May is National Employee Physical Fitness Month, a time for all of us to focus on developing and/or maintaining a fit and healthy workforce.

Air Force Materiel Command will be promoting its Be Active: Physical Fitness and Activity Initiative throughout the month.

According to the Centers of Disease Control regular physical activity can help: control body weight, reduce risk of cardiovascular disease, improve brain function and mood, and strengthen bones and muscles.

During the month of May, Civilian Health Promotion Services (CHPS) will be offering these 'Be Active Your Way' activities:

- Be Active: Physical Fitness and Activity Initiative

- Physical Activity Health Education Classes
- Cardiac Risk Profile (CRP) Screenings
- Blood Pressure Screenings
- Force Support Squadron links to Fun Run & Walks and Fitness Center Classes

AFMC's Be Active initiative involves the AFMC Wellness Support Center website (www.AFMCWellness.com) and the physical activity log. The goal of this initiative is to log minutes of physical activity for a minimum of 420 minutes (7 hours) during the month of May. Individuals who complete this task will receive "A Year of Health Hints" book. The Be Active: Physical Fitness Initiative is open to all active duty and appropriated-funded AFMC civilian employees.

How to Participate in the Be Active: Physical

Fitness Initiative:

- Have an online account at www.AFMCWellness.com.
- Civilians need to have a current Health Risk Assessment. Active duty members do not need to complete a HRA to participate.
- To be eligible for the completion award, participants need to log 420 minutes (7 hours) between May 1 and May 31.
- Log your physical activity during the month of May in the physical activity log at www.AFMCWellness.com.
- May 1-5: Log 30 minutes a minimum of 2 days a week.
- May 6-12: Log 30 minutes at least 2 days a week.
- May 13-19: Log 30

minutes a minimum of three days a week.

- May 20-26: Log 30 minutes at least 3 days a week.

- May 27-31: Log 30 minutes at least 4 days a week.

Visit www.AFMCWellness.com often to learn of the opportunities to be physically active during the month of May, including your local installation's fitness center class schedule, as well as sponsored Fun Run & Walks.

Be sure to speak with your physician before beginning any exercise or physical activity program to make sure it is safe for you.

(Information provided by Air Force Materiel Command Wellness Support Center)

ATA Team Member of the Quarter

John Wright is the ATA Team Member of the Quarter.

Wright, the investments project manager for the 4T Captive Trajectory System, was recognized for his work on the 4T modernization project and for successfully guiding his design team through a complex design.

Wright successfully guided his design team through what the Test Systems design section manager described as the most complex design they have ever done.

Wright also worked to get drawings through coordination review and engineering checks in advance of the critical design review in order to recover project schedule due to a lengthy design phase.



ATA Craft Team Member of the Quarter

Garry Burnett is the ATA Craft Team Member of the Quarter.

Burnett, a pipefitter/working foreman in the Facilities Operations and Maintenance Department, was recognized for overcoming challenges in the fabrication and installation of the C-1/C-2 cooling air project.

Burnett also was recognized for working across craft lines. He and his crew worked with boilermakers to fabricate a needed project piece at a substantial cost reduction.

Burnett also was recognized for his ability to recognize problems before they can impact operations.



Michael Mashburn
Team Member
Information Technology & Systems

Mashburn, programmer, was recognized for continually seeking ways in which to improve test processes in the Propulsion Wind Tunnel Facility.



Denise Pegram
Team Member
Information Technology & Systems

Pegram, programmer, was recognized for her support of the Minuteman Stage 3 rocket motor firing in test cell J-6.



Kristi Farris
Team Member
Resource Provisioning

Farris, supply technician, was recognized for providing critical assistance in converting records to an online storage process.



Scott Nikodym
Team Member
Safety & Health

Nikodym, safety specialist, was recognized for providing significant support to an APTU test program.



Jeff Swanberg
Team Member
Support Services

Swanberg, police detective, was recognized for preparing the AEDC Police Department for the AFMC Unit Compliance Inspection in addition to handling several open cases.



Michael Mills
Team Member
Integrated Test & Evaluation

Mills, engineer, was recognized for his excellence and unselfish volunteerism within the Flight Systems Product Branch.



Sandra Sullivan
Team Member
Integrated Test & Evaluation

Sullivan, lead financial administrator, was recognized for ensuring project managers are aware when funds are low and working to keep work flowing.



Dereck Hammock
Team Member
Facilities Operations & Maintenance

Hammock, mechanical system engineer, was recognized for getting a crane back in service to meet a critical deadline, and for assuming duties as lead Fire Protection System engineer.



Brian Edinger
Team Member
Facilities Operations & Maintenance

Edinger, PWT plant lead engineer, was recognized for implementing changes to the 16T interlock system that improved safety and test efficiency.



Richard Bearden
Craft Team Member
Resource Provisioning

Bearden, lead storekeeper, was recognized for achieving excellent delivery cycle times and ensuring zero loss and damage of incoming material.



Jody Hayes
Craft Team Member
Integrated Test & Evaluation

Hayes, journeyman boiler-maker, was recognized for his support of preparation and testing in both APTU and G Range facilities.



Stan Travis
Craft Team Member
Support Services

Travis, police officer, was recognized for implementing changes in new credentials checks on base and ensuring traffic flow was smooth during peak hours.



Jack Murdock
Craft Team Member
Facilities Operations & Maintenance

Murdock, journeyman ironworker, was recognized for helping ensure a platform replacement project was completed on time and on budget.



Bill Sizemore
Customer Service – Internal
Safety & Health

Sizemore was recognized for supporting the TEDAC program for asbestos, TCE and glycol issues and for supporting safety and environmental issues during sand blasting at the Elk River Dam.



Mike Eppinger
Customer Service – External
Integrated Test & Evaluation

Eppinger was recognized for his support of the TF-34 test by directing a last-minute rework to the bellmouth support assembly



Chris Rogers
Customer Service – External
Integrated Test & Evaluation

Rogers was recognized for his support of the TF-34 test through identifying and tracking adapter kit hardware.

Milestones

30 YEARS
Kathleen Shrilla, ATA
Brenda Barr, ATA
Stephen Mayes, ATA
Katherine Brasier, ATA
Kenneth Rigsby, ATA
James Devine, Jr., ATA

25 YEARS
Jimmy Burnette, ATA
Daniel Brown, ATA
Perry Hoge, ATA
Thomas Bush, ATA
Eric Mitchell, ATA

20 YEARS
Virginia Gardner, ATA
Donald Weaver, ATA

Kathleen Comer, ATA
Stanley Burgett, ATA
Melissa Wenger, ATA
Shannon Davis, ATA

15 YEARS
Marcheta Darnell, ATA
Steven Underwood, ATA
James Winchester, ATA

10 YEARS
Alan Fleenor, AF
Thomas Miller, AF
Don Newsom Jr., ATA
David Plemmons, ATA
John Williams, ATA

5 YEARS
Michael Key, ATA
John VanScoten, ATA
Daniel Lewis, ATA
Bradley Parks, ATA
Steven Posey, ATA
Danny Strickland, Jr., ATA

NEW HIRES
Carl Schweinfurth, AF

PROMOTIONS
Gregory Tolley, ATA
Sarah Cothran, ATA
Denise Gavin, ATA
Jonathan Parks, ATA
William Burt, ATA
Jon Cox, ATA

Daniel Warren, ATA
Joel Nalin, ATA
Jonathan Kodman, ATA
Peggy Glass, ATA
Dereck Hammock, ATA
Zachary Lowry, ATA
George Long, ATA
Matthew Morin, ATA
Walter Cook, ATA
Dana Alexander, ATA
Kathryn Stephens, ATA
Jesse Ogle, ATA
Sabrina Williams, ATA
Beau Campbell, ATA
Kaleigh Hatfield, ATA
Stuart Hanson, ATA
Benjamin Klinger, ATA
James Horine, ATA

AEDC's Sharon Butcher: an interesting journey

By Philip Lorenz III
Aerospace Testing Alliance

Sharon Butcher, an Information International Associates (IIa) Inc. resource librarian at AEDC's Technical Library, loves to travel.

She recently returned from a 10-day vacation to Machu Picchu and Nazca, Peru and the Galapagos Islands, Ecuador, satisfying a long-time desire to visit those "special places."

A dual love of learning and traveling has provided her with the motivation that has been the driving force throughout her life.

"My parents never traveled, but I caught the travel bug when I went to California with my grandfather, when I was in high school," she said. "And I probably have all the genes for adventure and excitement in my family."

Over the years she has traveled to England about 12 times and vacationed in Scotland, Wales and Italy. She has also visited Canada, including trips to Toronto, the Maritime Provinces, Prince Edwards Island and Newfoundland.

Her most recent trip still has her attention. Almost as long as she can remember, Butcher has wanted to visit Machu Picchu, a pre-Columbian 15th-century Inca site located close to 8,000 feet above sea level.

"I just came back from Peru," she said. "Long before that Peru was at the top of my list. Machu Picchu is there and the Nazca Lines, ancient geo-glyphs made famous by Erich von Daniken in 'Chariots of the Gods: Unsolved Mysteries of the Past.'

"It was a bestseller and everybody I knew was reading it in the late 1960s and early 1970s."

Butcher said, "Machu Picchu is a fantastic Incan ruin in a very high elevation in the Cusco region of Peru. It was found in the 1930s, shrouded in jungle. They have cleared all of that out; it's a World Heritage Site.

"Machu Picchu, due to the fact to where it's located, is very intriguing and the Andes are just awesome, changeable. When you take the train from outside Machu Picchu, you follow this river and the changes in the appearance of the mountains are really phenomenal."

Butcher had read about the area and knew the seasons are the reverse of

what are experienced in the Northern Hemisphere.

"There was some snow on the high peaks," she said. "They're seasons are reversed with ours – they're coming off of summer right now. The mountains are so steep that they can't cultivate most of them, but you will see terraced areas on occasion there."

Although Butcher enjoyed the breath-taking scenery, both natural and the pre-historic structures of the Incas, she was not oblivious to the "horrible poverty there."

She said, "I felt guilty going back to my hotel at night, considering where some of these people live."

Butcher also went to Galapagos Island.

"That's always been on my list of things to see," she said. "I saw giant tortoises, whales, sharks, sea lions, iguanas and some really interesting birds. There are several islands in Galapagos, and we stayed at what I called the 'Mother Ship' out in the deeper water. Then we would take a dingy out to the islands, twice a day.

"We'd spend a couple of hours there, but the heat and humidity there was just off the charts."

For her, the best part of the trip was Machu Picchu itself.

"It is just so stunning," she said. "I was actually moved to tears. Machu Picchu is a beautiful sight, that's all I can say, it's so high in the air, it really blows you away."

Butcher's professional journey, like her interest in traveling, also began when she was young. She had considered a career as a librarian since junior high school.

"I wanted to be a librarian in the Air Force," Butcher recalls. "I became an administrative specialist and was in SAC (Strategic Air Command) and then the U.S. Air Force Security Service. It was basically secretarial work. At that time, enlisted WAF had very few options as medics, personnel and administration. That started to change with Admiral Zumwalt from the Navy."

Butcher, who came to work at AEDC in 1998, was stationed at Barksdale AFB, La., and RAF Chicksands, UK. Living in England was the highlight of her time in the Air Force.

"I remember traveling in Europe, developing an appreciation for history,



Sharon Butcher, an Information International Associates (IIa) Inc. resource librarian at AEDC's Technical Library, posed with some of the local animals in Peru. Butcher also visited Machu Picchu, below. (Photos provided)



making some really good friends there, buying my first car in the UK, and driving it in the UK," she said.

Still wanting to pursue a career as a librarian, she committed to only four years in the Air Force and then returned to civilian life.

While working as a sales representative for Shell Chemicals, Butcher focused on continuing her formal education.

"I also enrolled in Library School at Case Western [Reserve University] during that time."

In 1983, she earned her master's degree in library science (MLS) while filling an MLS position with the corporation that had bought Shell Animal Health Division.

"I also worked briefly in a public library, which was a really good experience," she said. "Then I ended up with B. F. Goodrich Company Research and Development Center for 13 years."

At Goodrich, Butcher worked in the corporation's library, helping the scientists and chemists who made the wide range of chemical products.

"I helped the patent law department since patents are important to chemical companies. They also had an aerospace division, landing gear and deicers."

A college minor in chemistry came in handy at Butcher's job and she loved working with patents by helping Goodrich's patent law department.

When the company downsized, Butcher and her coworkers suspected a layoff was inevitable.

"I was at the library one day and picked up a newspaper publication and there was a job opening announced in there," she recalled. "A certain term was referenced, DTIC, I said, oh, I know what that is, because we did some work with landing gear and stuff. DTIC stands for Defense Technical Information Center. I applied for the position and I came down [to AEDC] for an interview."

Butcher said the highlight of working at AEDC's Technical Library is being in a position to help people.

"I've always enjoyed finding information," she said. "I like helping people resolve information prob-

lems; I like the thrill of the hunt.

"I like to learn something every day and I have many interests."

Her life-long interest in the sciences led Butcher to one of her most cherished personal encounters and provided a joke she enjoys relating about her hometown ties.

"There are two famous people from Wapakoneta, Ohio, me and Neil Armstrong," she said. "Wapakoneta is a small town; my mother knew Neil's mother who worked at one of the agricultural services offices in town. Also, my great aunt played cards with Neil's mother, Viola, at the local woman's club.

"When I was in the 8th grade, an English class assignment was to interview someone in the profession we wished to go into. I wanted to be an astronaut and mentioned the assignment to my great aunt as we were washing dishes one Saturday afternoon. I said I'd probably have to interview a nurse or something....it would be unlikely I could interview John Glenn or Gus Grissom."

What happened next took Butcher completely by surprise.

"Aunt Rowena suggested I interview Neil, an X-15 pilot, who was going to be visiting his parents in a couple of weeks," Butcher said. "Thus was hatched a plan for my interview with Neil. He was a gracious interviewee, suggested I take math and the sciences, and wished me success in all my endeavors. This was before the time of word processing, so I hand-wrote the assignment, handed it in [and] got an A."

Meeting Armstrong left an indelible impression on Butcher, but provided her with the opportunity to meet the astronaut three more times.

"Viola Armstrong saw to it that I had a ticket to the hometown parade and reception for Neil, to celebrate the moon landing," she said. "I also met Neil at the 25th anniversary of the moon landing celebration at NASA Lewis Cleveland."

Butcher said she cherishes those memories but her focus going forward will be on more traveling and enjoying life after retirement.

Arnold Golf Course 454-7076

Check us out on Facebook!
Arnold AFB Golf Course

Arnold Golf Course Customer Loyalty Program

Purchase an annual green fee for the 2012 season and receive:

- 10 percent discount on Pro Shop merchandise
- 10 percent discount on Cart rental
- 10 percent discount on Driving Range tokens
- 10 percent discount on food/beverages at Mulligan's Coffee Bar & Grill

These discounts are good April 2012 through March 2013. Not valid in conjunction with the Members First Plus discounts. Maximum discount allowed is 10 percent. Sale items and alcohol are not authorized for these discounts.

New prorated Platinum fees for 2012 season.

Arnold Golf Course has established a new tier of fees for the Platinum annual rates which includes unlimited green fee, cart and range balls. Pay upfront for these fees and save \$120.

Individual Juniors	Family
\$750	-
E1-E4,	
GS1-4	\$1,085
E5-O3,	\$1,385
GS5-10	\$1,395
O4/GS11	\$1,780
& above	
and Contractors	
	\$1,620
Guests and General Public	\$2,070
	\$1,685
	\$2,155

Two Person 27-hole Triple Play Tournament

has been scheduled for May 12 with an 8 a.m. shotgun start. The first nine holes will be two person scramble, second nine will be two person best ball and the last nine will be two person alternate shot. Play will be flighted into A and B flights. Handicaps will be used to determine which tee to play from. Entry fee is \$80 per team and includes breakfast buffet at 7 a.m. Green fee and cart fee are extra. Sign up in the Pro Shop by May 10.

Arnold Lakeside Center 454-3350

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

Club Membership Scholarship Program

is back. Members First Plus members and their family members who have been accepted by or enrolled in an accredited college or university for entry during the 2012 fall term as part-time or full-time are eligible to enter. There will be 25 \$1,000 scholarships awarded during this program. To enter you must write a 500-word essay following the required formatting on the topic "What do the words to America the Beautiful mean to me" and submit on CD to Services Marketing, A&E Room C303, by July 2. Along with the essay, complete the entry form and provide current college/university acceptance letter for new students or official transcripts for those already enrolled. Entry forms are available at Arnold Lakeside Center, Fitness Center, Arnold Golf Course, Outdoor Recreation and Marketing. Winners will be announced

on Sept. 17. For more information visit www.afclubs.net.

First Friday Jam is May 4 starting at 6 p.m. Come to play, listen, dance and enjoy. Join in with the band to play an instrument or sing. Or take over and do your own performance.

Arnold Lakeside Center will host a **Texas Hold 'Em members only Mini Tournament** every Friday in May. Play will begin at 6 p.m. in The Landing bar. There is no cost to enter, but all players must be age 18 or older. Prizes will be awarded each week to first, second and third place finishers. Tables will be created by random draw of the players present at starting time. Dinner is available from the Express or Pizza menu from 5-8 p.m.

Weekend dining room specials (all include two sides and salad bar):

All specials and times are subject to change without notice. Please call ahead to ensure availability and openings.

Friday 4-9 p.m.

May 4: Italian buffet, \$8.95 member, \$10.95 nonmember.

May 11: Prime Rib for Two, \$29.95 member, \$31.95 nonmember.

May 18: 50-cent wings.

May 25: Meatball sub w/ fries, \$5.95 member, \$6.95 nonmember.

Saturday 5-9 p.m.

May 5: Pizza and To Go orders only

May 12: Fried catfish plate, \$9.95 member, \$11.95 nonmember.

May 19: Express Menu only.

May 26: Stuffed chicken breast, \$8.95 member, \$10.95 nonmember.

May Movie Schedule

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

May 10 – "Man on a Ledge," rated PG-13 (1 hr. 42 min.) starring Sam Worthington, Elizabeth Banks and Jamie Bell. As a police psychologist works to talk down an ex-con who is threatening to jump from a Manhattan hotel rooftop, the biggest diamond heist ever committed is in motion.

May 17 – "One for the Money," rated PG-13 (1 hr. 31 min.) starring Katherine Heigl and Jason O'Mara.

Unemployed and newly-divorced Stephanie Plum lands a job at her cousin's bail-bond business, where her first assignment puts her on the trail of a wanted local cop from her romantic past.

May 24 – "The Vow," rated PG-13 (1 hr. 44 min.) starring Rachel McAdams and Channing Tatum.

A car accident puts Paige in a coma, and when she wakes up with severe memory loss, her husband Leo works to win her heart again.

May 31 – "Journey 2: The Mysterious Island," rated PG (1 hr. 34 min.) starring Dwayne Johnson, Josh Hutcherson and Michael Caine. Sean Anderson partners with his mom's husband on a mission to find his grandfather, who is thought to be missing on a mythical island.

Arnold Lakeside Center will have a **Mother's Day Brunch** 11:30 a.m.-2:30 p.m. May 13. The menu will include scrambled eggs, bacon, sausage, ham slice, French toast with syrup, sliced turkey breast, stuffing, baby carrots, mashed

potatoes and gravy. Cost is \$12 for members, \$14 for nonmembers and \$7 for ages 3-10. Reservations are required by May 2. All mothers attending will receive a rose.

Sign up for Members First Plus May 14-July 13 and the first three months are free.

All who sign up for Members First Plus membership between May 14 and July 13 will automatically receive three months free dues, be enrolled in the free cash back rewards program, and win \$5 to \$100 instantly upon application through a scratch-off gift card program.

"We want all personnel to consider membership and understand the benefits of membership, and our "Membership Matters" membership campaign gives them the opportunity to try it free for the first three months," said Fred McKenney, Chief of the Air Force Food and Beverage Division. During the promotion everyone eligible and interested in AF "Club" membership should look for the membership promotional materials in Services activities. Pick up an application, fill it out, and experience the benefits of membership – the first three months dues are on us! The membership card provides numerous benefits. The Military Free Cash rewards program is an outstanding benefit to members. When you use your membership card in any on-base Services activity, you earn 2 percent cash back on every eligible purchase including AAFES and Commissary. Additionally, you earn 1 percent cash back on eligible purchases everywhere else including all off base purchases. In addition to being able to redeem points for cash back and gift cards, you now can also redeem for travel, to include airline tickets, hotel, and car rental – super flexibility – and it is all free, as a benefit of club membership! Members First Plus offers members numerous free and inexpensive activities including discounts on meals to include special functions, an annual \$25,000 scholarship program, discounts on other areas in Services such as golf and boat rental and other member's only programs. Call 454-3350 for more information on Members First Plus membership.

Café 100 will kick off the "Membership Matters" Membership Campaign with the official unveiling of new menu items to include deli sandwiches. All base employees are eligible to use Café 100 and there will be combo specials all day during this event. Current Members First Plus members and new members that join this day will receive a free slice of single-topping pizza as a special thank you for being a part of our membership program. The café is open 6:30 a.m.-1:30 p.m. with pizza available beginning at 10:30 a.m. Stop by and take advantage of this membership benefit. Don't forget to grab your copy of the new, improved and expanded Café 100 menu.

Last Friday Trivia Contest is 6:30 p.m. May 25. Teams can have up to four people. No cell phones are permitted during the event. Anyone using a phone while a question is underway will be disqualified. Questions in random categories will be given. Prizes for top finishers.

Café 100 now offers

Hours of operation:

Arnold Lakeside Center: Catering/Management offices by appointment. Cashier Monday through Friday 7 a.m.-3:30 p.m. Dinner: Arnold Express Menu or Hap's Pizza only Thursday 5-8 p.m., dinner or Arnold Express Menus and Hap's Pizza Friday 4-9 p.m. and Saturday 5-9 p.m.; Main Bar Thursday 5-8 p.m., Friday 3:30-10 p.m. and Saturday 5-10 p.m.; Social Hour Friday 4-6 p.m., Movie Night Thursday 6:30 p.m.

Information, Tickets & Travel (ITT): Tuesday through Friday 10 a.m.-3 p.m.

Café 100: Monday through Friday 6:30 a.m.-1:30 p.m. *Closed May 28.*

Barber Shop: by appointment – Monday, Tuesday, Thursday & Friday 8 a.m.-4 p.m. *Closed May 28.*

GLC: Monday through Friday 7 a.m.-3:30 p.m. May vary depending on bookings. *Closed May 28.*

Family Member/Youth Programs: Tuesday through Friday 10 a.m.-5 p.m., Saturday 12-5 p.m.

Outdoor Rec: Tuesday through Saturday 10 a.m.-5 p.m. Marina by appointment only. Summer hours begin May 1: Tuesday through Sunday 8 a.m.-6 p.m. FamCamp Store: Friday through Sunday 12-4 p.m.

Fitness Center: Monday-Friday 5 a.m.-9 p.m.; Saturday 8 a.m.-4 p.m. *Open 8 a.m. – 4 p.m. May 28, no group classes.*

Arnold Golf Course: Pro Shop & Driving Range 7 a.m.-dusk. Driving Range open 24 hours with prepurchased key card. Mulligan's Coffee Bar & Grill Monday through Friday 10:30 a.m.-2 p.m., Saturday and Sunday 8 a.m.-2 p.m.

Recycling: Monday through Friday 7 a.m.-4 p.m. *Closed May 28.*

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

Nonappropriated Funds Human Resources: Monday through Friday 7:30 a.m.-4 p.m. *Closed May 28.*

build-your-own deli sandwiches! Choose your bread, spread, cheese, toppings and two meats for \$5. Make it a combo with chips and fountain soda or tea for only \$1 more. Café 100 is located on the first floor of the A&E Building just inside the loading dock doors and is open 6:30 a.m.-1:30 p.m. Monday through Friday. Deli sandwiches and pizza are available starting at 10:30 a.m. Pizza is available by the slice for \$2 single topping or \$3.50 for the works. Whole pizzas are available if ordered the day prior and will require completing an order form and paying in advance then just bring your receipt for pickup. Whole pizzas are available in 12- or 16-inch and range in price from \$7 to \$18 depending on toppings selected. Salads are also available for \$3 with choice of ranch, French or Italian dressing. Other menu selections are available to include Starbucks coffee, pig in a blanket, cereal, fruit, muffins and hot dogs.

Family Member/Youth Programs (FamY) 454-3277

Check us out on Facebook! Arnold AFB Services Youth Programs

Miss AEDC Pageant will be held at Arnold Lakeside Center hosted by Youth Programs from 12-6 p.m. May 5. The event is open to the public and will have four categories ranging in age from 5 to 18. Divisions include Little Miss AEDC for ages 5-8, Preteen Miss AEDC for ages 9-11, Junior Miss AEDC for ages 12-15 and Miss AEDC for ages 16-18. Little Miss and Preteen divisions will be judged on poise, beauty and personality. Junior and Miss divisions will be judged on poise, beauty, personality and on stage question. There will be a winner, second, third and fourth place in each division. There will also be a People's Choice category. Any attending may vote for the People's Choice winner for only \$1 per vote. Cost to attend the event is \$5 and Arnold Lakeside Center will have a Deli Buffet for \$8 (\$5 for ages 10 and under). For more information call 454-3415.

Pretty Discoveries returns for a **Jewelry Fair** May 11 in Café 100. The fair will be 8 a.m.-2 p.m. and all jewelry is under \$20. There will be drawings for free jewelry. Pretty Discoveries also offers handbags and belts.

America's Armed Forces Kids Run to be held May 26 with check in at

8:30 a.m. As part of Armed Forces Day activities in May each year, military bases here in the United States, Bahrain, Greece, Puerto Rico, Germany, Japan, Iceland, England and Italy will participate in the Armed Forces Kids Run. The annual free event began in 1986 as Junior Bloomsday, the child's answer to the annual Bloomsday race that so captivates the Inland Northwest in early May each year. The Armed Forces Kids Run is designed for children ages 5-13 with the younger kids running a half mile, ages 7-8 running one mile and older kids running two miles. Over the years 120,000 children have earned their own tee shirt by completing the annual run. T-shirts will be given to all participants who sign up in advance. This run has been recognized nationally in National Geographic World, National Road Runners Management, Runner World, USA Today and voted Best Children's Run by Runner World. Call to sign up or for more details.

Camp Adventure returns June 4!

Once again, Services Youth Programs will host Camp Adventure, a summer day camp run by skilled professionals through the University of Northern Iowa. The camp will run for nine weeks Monday through Friday from 7:30 a.m.-4:30 p.m. This program is for ages 5-12 and children may attend any or all of the nine weeks. Each week is set to a theme with activities and field trips planned to coincide with that theme. Morning and afternoon snacks will be provided, but parents must supply their child with a sack lunch daily. Outdoor and swimming activities are planned throughout the week, weather permitting, so it is recommended that each child bring an extra pair of clothing, swimsuit, towel and sunscreen daily. Closed toe shoes must be worn at all times during camp. Children may be dropped off no earlier than 7:15 a.m. each morning and any child not picked up by 4:30 p.m. will be transitioned to Open Recreation and must be picked up no later than 5:30 p.m. or an additional fee of \$10 will be applied. Weekly fees are based on total household income ranging from \$55 to \$137 per week. To enroll your child complete the application form and provide a copy of your leave and earnings statement or W2 to determine applicable fees. Other documentation required includes AF Form 1181, Youth Registration, and AF Form 1055, Medication Permission Slip (if applicable). Registration is required two weeks prior to start of camp and a separate

application is required for each child attending. The weekly themes, activities and field trips are listed below. Contact Youth Programs for more information and to register.

Week 1: 4-8 June, Ice Age Charades & Escapes

Set your sights for the Northern Lights! Camp Adventure is heading on an amazing adventure back through time. Pack your parkas and join Sid and his frosty friends as we experience fantastic fun the Ice Age way. We'll search for earthshaking and quaking Mesozoic marvels and search for colossal fossils! Navigate by the stars, go ice fishing and race your kayaks. It's a frostbite invite to the North!

Swim: Tuesday & Thursday

Week 2: 11-15 June, Big Top Party Parade

Come one, come all to our big Top Party Parade! Breeze through the air on a Camp Adventure trapeze and hop on board our circus train! It's miles of smiles with crazy clowns on a parade through town. There will be amazing animal antics and a big Zooprise when Marty and Melman, on the loose from the zoo, join us on our European circus tour. You'll find this week of circus charades and parades simply sidesplitting at our Camp Adventure Show Stopping Spectacular.

Swim: Tuesday & Thursday
Field Trip: Friday, Nashville Zoo

Week 3: 18-22 June, Kimonos, Kites, & Japanese Folk Tales

Konnichiwa! Camp Adventure has your passport to Far East adventure! Enter the terrific Pacific Rim and explore the islands of Japan. Trek to the top of Mt. Fuji, wear a kimono, and karaoke in Kyoto! Come fly kites with Camp Adventure and delight in a celebration of Japan! Follow the mysterious folklore of Far East fairytales into a teeny, tiny borrower's world of Arriety and her family! Oh no... we are all shrinking!

Swim: Tuesday & Thursday

Week 4: 25-29 June, Gold Rush Miners and 49ers

Westward ho and away we go! Circle your wagons and follow the miners and 49ers to the wild frontier. Yipp-ee-i-o-ki-yeah! We're off to Cali-forn-i-a to pan for gold in the Prospector's Paradise. Saddle up and gallop on in for rootin' tootin' high falootin' fun! Corral around the campfire and

See **SERVICES**, page 15

SERVICES from page 14

snuggle up under a blanket of stars. We're at home on the range showing how the west was FUN!

Swim: Tuesday & Thursday

Field Trip: Friday, Ruby Falls in Chattanooga

Week 5: 2-6 July, Fabulous 4th Freedom Fest

Come cheer for the team and the American dream with Camp Adventure. Say "hip-hip hooray" for Team USA at a double header of old-fashioned fun and fantastic friendships! Children of the nation cast YOUR vote and be counted at Camp Adventure's Convention Celebration. We're making sparks fly this 4th of July at our Star Spangled Spirit Spectacular!

Tuesday: Family Barbeque at ALC pavilion

Wednesday: Holiday CLOSED

Swim: Thursday

Week 6: 9-13 July, Crusin' Through the Cosmos

It's your time to shine on a planetary race through outer space! See star-tacular scenes as we zoom to the moon and take a spin around the solar system. Learn the order of the planets and hunt for moon rocks. Rev up with rocket science and concoct space chase snacks and constellation crystals. Join Camp Adventure on this outrageous exploration celebration to the outer limits... and may the force be with you!

Swim: Tuesday & Thursday

Field Trip: Friday, Huntsville Space & Rocket Center

Week 7: 16-20 July, Outrageous Olympic Odyssey

Light the torch for the Camp Adventure Olympic trials and triumphs! The world gathers for the Olympic games in fun, fabulous London. Awesome Camp Adventure athletes are on an odyssey to the 2012 London Olympics. Join the international spirit in our opening ceremony with a proud parade of nations. This summer go for the gold! Dare to dream! You're an Olympian on the Camp Adventure team.

Swim: Tuesday & Thursday

Tuesday: Drama Quest Workshop - workshop uses role-playing to help students develop positive self-esteem, increase their communication skills and teach constructive group dynamics.

Thursday: Let's Make-Up Workshop - get visual image of theater make-up techniques

Note: Missoula Children's Theatre presents "The Tortoise Versus The Hare" auditions Monday 4 p.m. at Manchester

Performing Art Center with rehearsals Tuesday through Thursday 1:30-5:30 p.m. and Friday performance 7 p.m.

Week 8: 23-27 July, Slam Jammin' Sports Celebration

Batter up! Camp A athletes and coaches are off to a super start as we kick off a slam jammin' sports celebration! Join the track team to run for your personal best... take a step up to the plate and work on super soccer skills. Everyone is a player in the All-Star line up! So get geared up to star in spectacular sports of all sorts and a week of spirit, sports and celebration!

Swim: Tuesday & Thursday

Field Trip: Friday, Tullahoma Bowling Lanes

Week 9: 30 July - 3 Aug., Earth Friendly Extravaganza

Join our Earth Friendly Extravaganza! The Lorax is here to speak for the trees which everyone, everyone on Earth needs! Come play in the shade with the Brown Barbaloos, sing with the Swomee Swans and eat Truffula Fruits. Teach the Once-ler a lesson for once and for all. Hurry before the last Truffula Tree falls!

Swim: Tuesday & Thursday

COMING SOON:

Missoula Children's Theater, 16-20 July, "The Tortoise Versus The Hare" auditions Monday, rehearsals Tuesday through Thursday, performance Friday night; for those who have completed first grade through age eighteen; pre-registration June 1 - July 12; \$20 (\$5 discount for additional siblings)

Fitness Center 454-6440

Check us out on Facebook! Arnold AFB Services Fitness Center

Health and Wellness Expo returns May 23.

The Fitness Center will kick off the event with a run (1 lap around Fitness Center trail) at 11:15 a.m. The Expo will be from 11 a.m.-1 p.m. with exposure and education on different dimensions of wellness. Pick up a door prize card when you arrive and while visiting the booths get the card initialed. Once the card is complete it may be entered for a chance to win prizes.

Exclusively Compound class coming every Tuesday in June at 5:30 p.m. This class will go over compound/multi-joint movements, learning correct

form, progressions and primary points of performance. Week one will be a Squat Clinic, week two Pull Clinic, week three Press Clinic and week four Putting it together along with the Olympic Lifts. A total of 16 movements will be covered. Space is limited and the class is for eligible users only. Call Kevin at the Fitness Center to sign up.

Outdoor Rec (ODR) 454-6084

Check us out on Facebook! Arnold AFB Services Outdoor Recreation

Paintball tournament

is held on the third Saturday (except July and August) beginning at 10 a.m. Teams of four will play a single elimination tournament to test your skills until the best team arises. There must be at least one team member above age 18 and there must be at least six teams to hold the tournament. ODR has 25 paintball guns available on a first come first served basis. Indicate at time of registration if you will be using your own equipment or need to reserve equipment. Cost to enter the tournament is \$25 per person and includes a bag of 500 balls and air for the day. Cost is \$20 if you use your own equipment. The winning team will receive a free day of paintball (regular Saturday play) for all four team members valid for one year and includes equipment, field fee, air for the day and bag of 500 balls. Additional prizes will be awarded each month to the winning team. Sign up deadline for the tournament will be the Tuesday prior and late registration/cancellation fees will be applied the Wednesday prior.

Paintball regular Saturday play is every weekend 9:30 a.m.-2:30 p.m. except third Saturdays, due to monthly tournaments and the months of July and August due to heat. Those interested need to call and

sign up at least a day ahead of time to ensure equipment availability. When the day arrives, simply meet at the paintball field and get play underway with the direction of an Outdoor Rec (ODR) staff member. Cost is \$35 per person with equipment provided and includes 500 paintballs and a tank of air. It is \$20 per person for those with their own equipment and that also comes with 500 paintballs. All paintballs used must be purchased from ODR for \$13 per bag of 500 or \$45 for a box of 2,000.

All paintball programs are for ages 10 and older. Ages 10-17 must have a parent permission form.

Remember to wear appropriate clothing - long pants, a long-sleeved shirt and closed toe shoes - as paintballs fly at 300 feet per second and can sting and possibly leave a mark other than paint. Call 454-6084 for more information about the paintball program or to sign up for these events.

Outdoor Rec will hold an Expo at building 100 from 10 a.m.-1 p.m. May 17. All base employees are encouraged to come by and see some of the items available for rent from Outdoor Rec. Some of the items include kayaks, canoes, windsurfer, pontoon, team building kit, rocket bounce inflatable, gas and charcoal grill, canopy, fishing poles and more. Brochures with pricing and information will also be available. Be sure to register for door prizes. You do not have to be present to win, but all entries must be filled out completely to be eligible. Prizes may be picked up at a later date from Outdoor Rec.

Basics of Lake Kayaking Class to be held May 26 from 10 a.m.-2 p.m. This class will give you basics needed for kayaking on our brand new sit-a-top kayaks. Learn how to sit properly in the kayak, how to do proper strokes, self and assisted

rescue procedures, turning methods, proper entry into the kayak and more. This training will help familiarize you with kayaking and give you the necessary tools to be safe and have fun. Make sure you wear appropriate clothing and bring sunblock, because we will be getting in the lake during this class. Participants may bring their own kayak if you have one. The class is scheduled for two hours (depending on the amount of participants and questions) and then we will take a tour of the lake. This class is for ages 12 and up and cost is \$10 per person. There must be at least three to hold the class and maximum class size is 10. Call to sign up by May 22 or for more details.

Outdoor Rec lowers prices on inflatables!

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

Did you know you can rent **boats from Outdoor Rec** on Woods Reservoir? Do you have a current boating certification from Outdoor Rec? All base employees are eligible to rent our boats. All you need is the Hands-On Boat Certification Class. Come by during the week any time from 8 a.m.- 4:30 p.m. to watch a boating video followed by a multiple choice test. Then sign up for the hands-on portion which is available Saturday and Sunday. This class costs \$20 and certification is valid for two years. Once certified, you have a choice of

pontoons and ski boats. Accessories available include life vests, ski rope harness, ski rope, knee board, wake board, water skis, tubes and paddles. Other rentals available from the Marina include canoe, kayak or windsurfer (certification class not required). Reservations for boat rental may be made 15 days in advance for active duty and 10 days for other eligible individuals. Call today to get on your way to fun in the sun on the lake. Call Outdoor Rec at 931-454-6084 for prices and information.

Teambuilding Facilitation now available through Outdoor Rec.

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

Wingo Inn 454-3051

Check us out on Facebook! Wingo Inn

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

Gossick Leadership Center 454-3024

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

