



HIGH MACH

Serving the World's Premier Flight Simulation Test Center



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Ila makes donation to Special Olympics Area 13



Back row, left to right, Mark Crowson, Dakin Seligman, Pat Powell, Kelly Sharpton, Pixie Morgan, Fred Rascoe and Dwight Mosley, Second Row, left to right, Sharon Butcher, Ila President Bonnie Carroll, Karen Matchett, Kathy McCrorey, Janice Willis, Wilsie Ford, Karen Stovall, and Gary Johnson; Front row, left to right, Becky Combs, Kent Turner, Shawna Eifert pose for a group photo as Ila presents the check to Special Olympics Area 13. (Photo by Rick Goodfriend)

Special Olympian Shawna Eifert of Tullahoma displays the bronze medal she won this summer at the national Special Olympics in Lincoln, Neb. Eifert placed third in bocce, a game closely resembling lawn bowling. (Photo by Rick Goodfriend)

By Shawn Jacobs
Aerospace Testing Alliance

Information International Associates (Ila) Inc., a subcontractor for ATA, made a \$500 donation to Special Olympics Area 13 Aug. 11.

In addition to a giant check, the star of the presentation was Shawna Eifert, a Tullahoma resident, who went all the way to the national Special Olympics in Lincoln, Neb., July 18-23 and earned a bronze medal.

"Shawna has participated for at least 10 years in Special Olympics in our Area 13, and her main sport has always been bocce," said Karen Matchett, volunteer director for Special Olympics Area 13, which includes Bedford, Coffee, Franklin, Lincoln and Moore counties. "We have a lot of other sports going on, but that's been her main sport. Right now she's living in a group home in Tullahoma with two other ladies, and she works at the Skills Development Center during the day."

Bocce is an ancient European sport,

most closely resembling bowling, which involves rolling balls on a lawn.

"At our area meet she did bocce, and she went to the state," Matchett said. "She got a first or second at the state and then we had a list of people who had qualified to go [to the nationals], and then she was picked out of all the ones who qualified to go. We actually had two bocce players, one in Lincoln County and one here."

Eifert placed third at the national event, bringing home the bronze.

Eifert described her trip to Nebraska as

a good experience, "Yeah, long drive, but it was fun."

She said her favorite part was "getting to stay out late every night and go shopping."

Asked about her favorite part of the games, Eifert replied, "Seeing everybody else play and being there."

In presenting the check, Ila President Bonnie Carroll noted a number of Ila and ATA employees have donated their time to Special Olympics in the past.

"It's important to us, wherever we work, that we support the communities because that is just part of being a good community citizen," Carroll said. "The company likes to support our workers as well as support the communities that we live in and work in."

See SPECIAL OLYMPICS, page 6

Ila donates to ACC



At left, Ila President Bonnie Carroll and Ila's AEDC Project Manager Kent Turner present a check for \$500 to Arnold Community Council for the upcoming Veterans picnic. Accepting the check on behalf of the ACC are Bill Comer, ACC president, and Claude Morse, ACC secretary. (Photo by Rick Goodfriend)

Bikers pedal more than 650 miles to raise money in bike-a-thon

By Philip Lorenz III
ATA Public Affairs

On Aug. 13, AEDC's Air Force Sergeants Association (AFSA) chapter hosted their second annual bike-a-thon on base to raise funds for projects that include a number of quality-of-life initiatives.

About 17 employees at AEDC took part in the bike-a-thon, which was initiated last year to honor the memory of Tech. Sgt. Gene Jobe, a 21-year career Air Force member and the late father-in-law of former AEDC chaplain, Maj. Paul Gunn.

Chaplain Gunn, who is now stationed at Dobbins AFB, Ga., took part in this year's event and said he rode virtually all day after the participants began the ride



Capt. Paul Gunn, formerly a chaplain at AEDC, is now stationed at Dobbins AFB, Ga. He has participated in the AFSA-hosted bike-a-thon from its inception in 2009. He said the fundraiser has special significance to him since it honors his late father-in-law, Tech. Sgt. Gene Jobe, a 21-year career Air Force member and lifetime member of the AFSA. (Photo by Philip Lorenz III)

See BIKE-A-THON, page 13

Country singer makes video at AEDC



Country music singer Marty Falle was at Arnold to shoot part of a video for the upcoming release of his new single "Fly Me Back" on his second album "Dingtown." The video, which will include footage of the F-15 Eagle on static display at the Main Gate, is intended to salute our fighting men and woman and draw attention to the Wounded Warrior Project. (Photos by Raquel March)



Mittuch selected for AFMC Air Force Marathon Team

AEDC Vice Commander Col. Eugene Mittuch has been chosen to represent AFMC in the Air Force Marathon Sept. 18 at the Museum of the United States Air Force located on Wright-Patterson AFB, Ohio.

In addition to Colonel Mittuch, Senior Master Sgt. Thomas Bateman from Hanscom, AFB, Mass., was also selected to run the full marathon.

Senior Master Sgt Richard Barber, Hill AFB, Utah, and Master Sgt. Sammie Spears, Kirtland AFB, N.M., Lt. Tiffany Moore, Hill AFB, Utah, and Tech. Sgt Heather Kuhn, Edwards AFB, Calif., were selected to run the half marathon.

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The annual Veterans picnic will be held from 10:30 a.m.-3 p.m. Sept. 24

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HIGH MACH

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An Air Force Materiel Command Test Center

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

**Vision**

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

Core Values

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

**Core Values**

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

Developing leaders ... the gift that keeps on giving

By Col. Michael Panarisi
AEDC Commander



Panarisi

If there's one thing I've learned in the two-plus decades I've been on this ride, it's an often overlooked phrase... "Leadership matters."

While the debate rages on between the "leaders are born" and "leaders are made" camps, we can't lose sight of the fact that there are practical leadership skills we can learn in a wide variety of settings, and we need to keep a "lifetime of learning" focus on leadership development.

Though most of the responsibility for making this happen falls on the more senior leaders, everyone has a part to play in this critically important function.

Fortunately, a great deal of leadership development is available "DIY."

Leadership training has become one of the most widely covered topics in the local bookstore, so for even the most junior employee in an organization, it's never too soon to start.

Just reading about leadership goes a long way.

In fact, reading is a

core component in nearly every leadership lesson I've come across. You just can't get enough on this topic.

One journalist commented that "the average millionaire reads at least one non-fiction book a month."

We have a lot to gain from adopting this mindset.

The next level is simply allocating the time to think about, discuss and explore leadership lessons.

This doesn't have to be a formal course. Just as we find value in our "lunch and learn" tech sessions, imparting a leadership focus on these events can have the same positive effect.

Again, the possibilities are nearly endless, ranging from something as simple as a "war story" to a full blown choreo-

graphed lesson.

But these don't happen by accident. This is a deliberate process.

That's where the real challenge lies.

We seem to take on training in so many areas where we ascribe the need for a "skill" yet somehow we forget that skills make up a big part of leadership effectiveness.

We are quick to send a technician to a class on programming...do we put the same emphasis on leadership training?

Why not?

If we really believe that "job one" is finding, mentoring, and developing our replacements, then we cannot overlook this aspect of their training needs.

If you are in a leadership position, take note. This responsibility falls on you.

It's up to you to make leadership development a deliberate process in your organization.

We're here to help. My Chief of Staff, Mr. Ken Jacobsen, is assembling some lessons we can all participate in.

We're also auditioning some local talent for possibilities tailored to our unique environment.

The military PME

Need a will? Look no further than the new legal assistance website

By Lt. Col. Ira Perkins
21st Space Wing Staff Judge Advocate

Peterson AFB, Colo. (AFNS) – A few days ago, my 4-year-old son, Phoenix, asked me what was going to happen to all of my money when I go to heaven. I think my wife had just told him that his dad would not buy him a candy factory, so money was obviously on this youngster's mind.

I usually can't answer most of Phoenix's questions (e.g., What do clouds taste like? How much does a cloud cost?), but this one I knew I could nail – because I am, in fact, a lawyer.

So, I effortlessly responded, "Son, Dad's will will take care of that."

In his 4-year-old dialect, Phoenix, just as effortlessly, responded, "Then, when will your 'will' buy me a candy factory?"

Just about then, my 7-month-old son began to cry.

Immediately, a pang of anxiety ripped through my legal skull – I have a new baby, but I don't have a new will.

Foolishly, in the commotion, stress and excitement of our pending permanent change of station, I had completely forgotten to amend my will to account for my new son.

Now, I realize this is not the crime of the century.

But here's the thing: I've been briefing Airmen for 14 years on the importance of estate planning, on the importance of updating your will, on the importance of having all your legal affairs in order before you move, or before you deploy; and yet I had failed to heed my own words.

Now, clearly I have the inside track on getting a will.

I could just walk down the hall and one of my seven judge advocate generals would love to draft the document that determines where the boss's money goes in the event of his untimely demise.

But, instead of going directly to my JAGs, I decided to join the crowd and try out the new legal assistance website that was advertised in the paper a few weeks back. The new website is <https://aflegalassistance.law.af.mil>.

To be honest, I was a little skeptical the website might be just another "save-time-initiative" that did save time for the unit, but not for the frustrated customer that took on the work.

This is absolutely not the case with the legal assistance website. It saves you time.

By visiting the website at home, I had all the information I needed to completely fill out my will worksheet (e.g., relatives' names, addresses, inventory of valuables).

Most importantly, I was able to discuss critical decisions about our assets and our children with my wife in the privacy of our home.

After I completed the will worksheet, the website produced a ticket number that allowed an attorney in my office to pull up my confidential information and then draft and discuss my will with me.

If you are still not convinced that you need to visit this legal assistance website, here are five reasons to check it out:

1. You can print your own general or special power of attorney, and bring it in to get notarized during the duty day (not just legal assistance hours).

2. You can research legal topics like taxes, identity theft and deployment readiness.

3. You can prepare for your legal visit while you're on temporary duty or out of the office.

4. You can take an online survey to rate how my attorneys are doing, so we can provide you even better service.

5. You can get your son's candy factory inheritance in writing.

To ensure that you are legally ready for your PCS, deployment, or for whatever comes your way; check out <https://aflegalassistance.law.af.mil> before visiting the legal office.

courses are another good source.

But none of these efforts will bear fruit unless all of us decide to make leadership development a fixture in our operations.

That's my challenge to you.

If we all pitch in, we can make a huge difference in every aspect of our operation.

Game on!

Into the deep blue sea ... of social media

By Staff Sgt. Patrice Clarke
50th Space Wing PA

My mother is on Facebook.

Yes, I said it ... the woman who can't set the time on her DVD player without having the offended machine shoot angry DVDs at her is now able to go online and poke, prod and update at her leisure.

I tell you this only to say that if you haven't heard of social media, you're probably living at the bottom of the deep blue sea.

There is resounding evidence that Air Force members are using social media with great abundance. According to the Air Force Social Media Use Survey, 69 percent of Airmen use YouTube, 48 percent use MySpace and 50 percent currently participate on Facebook.

There are also numerous Airmen out there "tweeting," blogging and photo sharing.

As a public affairs professional, I am all for this.

We want more Airmen empowered to be spokespersons for the Air Force.

Gone are the days when only the commander or senior enlisted members were the ones telling folks about what's going on in the Air Force.

With this empowerment comes responsibility.

With the world just a Facebook friend away, Airmen need to know that what they put on these social media websites is looked at ... a lot.

Just ask the young Air Force Academy cadet whose roommate taped him dancing after class his sophomore year.

That video received more than 500,000 different views on YouTube, but then it really went viral.

CNN Worldwide picked up the story and did a feature on the dancing cadet.

This same cadet even got a shout out from Secretary of Defense Robert Gates during the cadet's

Academy graduation.

The then cadet was embarrassed by the attention his dancing skills received, even though it in no way showed the Air Force in a disparaging light.

Airmen must remember that they are military members at all times. The things you post on these sites can always be linked back to you ... and the fact that you're a military member.

Remember, this Air Force is pretty small and you are a representative of the Air Force 24/7.

There is a good chance that even though your immediate supervisor isn't one of your Facebook friends, one of his friends probably is.

Social media isn't rocket science.

If at any point you are worried about what your mom or your supervisor or your commander would say about a post, blog, picture or tweet, don't post it.

Things posted to the internet are everlasting, and once posted, they're out there for everyone, including our adversaries, to see forever.

Though you may think that you're just telling 549 of your closest Facebook friends that you are flying out from your deployed location at 9 a.m. on such and such a date, and you have a layover in Germany before flying out again three hours later, you've also just given out vital operational security information to those 549 friends and all of their friends as well.

You may think you're just letting everyone know so they can have the bells and whistles ready for your return, but in reality, you just put all the other redeployers lives in jeopardy as well.

Social media isn't going anywhere. With the technological advances that occur every day, you can rest assured that Facebook, Twitter and all those other

See **SOCIAL**, page 6

Action Line**Team AEDC**

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

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

Col. Michael Panarisi
AEDC Commander

Smoking Policy

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

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

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

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 whitetail deer under "surveillance"

By Shawn Jacobs
ATA Public Affairs

The whitetail deer that motorists see dart across Wattendorf Highway, and sometimes collide with their vehicles, are a natural part of the ecosystem around AEDC.

As such, the deer require monitoring and attention just like many other animal and plant species on the base.

In fact, some of the deer are part of a sophisticated tracking and monitoring technique, according to Richard McWhite, natural resource manager at Arnold Air Force Base.

The project is under the direction of Dr. Craig Harper, a professor at the University of Tennessee, who is being assisted by three graduate students.

"It involves tracking whitetail deer movements," McWhite said. "We've tagged and collared 20 deer – 10 females and 10 males – along Wattendorf Highway and other major travel corridors into the base. We've had deer/vehicle strikes over the years, and we're trying to understand more about deer movement.

"In association with that, we also compared different deer census techniques to see which would be the most cost effective way of tracking deer density. Obviously we don't have wolves anymore, so hunters are the only tool we have actually to control deer because we don't want vehicles controlling the deer population."

The deer are fitted with large collars that do not hamper their movement but send information to a global positioning satellite (GPS).

"We are requesting that hunters avoid shooting those [collared deer] if at all possible because we get more months of movement study out of that," McWhite said. "It's a signal about every minute to a satellite GPS. We can tell from the signal things like if they are moving or still. There's even a mortality signal that tells us if the collar does fall off the animal or if the animal gets hit by a vehicle and runs off and dies, then we can tell that from the



University of Tennessee graduate student Peyton Seth Basinger displays a male deer that has been fitted with a special tracking collar after being tranquilized. (Photo provided)

signal from the collar."

He said the collar is programmed for about one and one-half years. It then is designed to automatically fall off and can be recovered and reused. The data, however, are automatically sent to a satellite, so researchers are not dependent on recovering the collar. The collars are expensive, so officials hope hunters or anyone else finding a collar or deceased deer with a collar would call the AEDC Operations Center at 454-7752 or The Tennessee Wildlife Resources Agency (TWRA) at 931-967-6101.

McWhite said the base is also working with the TWRA to allow appropriate hunting to harvest enough animals to prevent overpopulation both for the ecosystem and vehicle strikes.

Vehicle collisions with deer are actu-

ally on the decline, according to McWhite.

"Back when we think the [deer] population was at its peak we were getting around 70 vehicle strikes per year," he said. Now we're in the 20s, so our trend has been down and we think our population is about half of what it used to be."

The reduction in vehicle strikes could also be the result of driver education publicity released over the years. That information reminds motorists that the peak times for deer movement are October through February, especially during daylight and dusk hours. That activity especially increases during November due to the coinciding of hunting and breeding seasons, according to McWhite.

Reducing vehicle collisions with deer is not the only reason for keeping a check on the animals' population. Again, it has to do with the entire ecosystem.

"One of our jobs is to maintain rare and sensitive plants that are listed by the state of Tennessee or the federal government, and we're trying to keep the deer population at a level where they're not interested in eating those," McWhite said. "At an overpopulation level they'll eat about anything they can reach, so by keeping the deer herd at a decent balance you can have your rare and sensitive species not affected."

McWhite is assisted by a staff of conservation personnel who help with endangered and threatened species and work with base natural resources plans as well as the TWRA to try to keep deer numbers balanced.

He said AEDC also tracks how many hunter hours are needed to keep the harvest where they want it by having hunters sign in and sign out, basically just gathering as much information as possible to make sure the deer herd is under control.

"It's very challenging to keep the population down," McWhite said. "Right now our deer population is at an acceptable level everywhere except inside the AEDC fenced area. The population inside this area is almost twice as high as desired, so that means that every year it's very critical that we harvest enough female deer because those are the deer that really control the population."

Improvements to e-learning are available

By Shawn Jacobs
ATA Public Affairs

A more user-friendly version of SkillSoft, an online training provider available to ATA employees, is now in operation.

Cliffa Wilhoite, ATA's SkillSoft program administrator, said the number of people using the program has increased over the years but still is underutilized.

"SkillSoft used to have a reputation for not being very user-friendly. It was difficult to search the courses, the CBTs (computer-based training) even the books that people were looking for. Prior to their recent upgrade, we sent out surveys to employees at Arnold who have SkillSoft licenses and passed along their recommendations to the company."

Wilhoite said the entire process is much easier now, and they have added books and reference materials. Even the format of the courses is slightly different.

"[For example,] if you just need to learn how to use pivot tables in an Excel spreadsheet, you can go into the menu of an Excel CBT, find that section, click on it and access that course strictly for the information that you need, rather than having to take the whole course.

"The demands placed on today's work force make access to training more important than ever," Wilhoite said.

Between the dual pressures of budget tightening and increasing constraints on time, there has been an increase in the number of people turning to SkillSoft for training and in the number of courses that they have taken, Wilhoite said.

Twenty-two people took advantage of SkillSoft in 2005, while that number grew to 160 in 2009. Those same 22 people used 53 courses in 2005, but that number increased to 434 courses in 2009.

So far this fiscal year, ATA has issued 208 licenses to employees who have accessed 369 courses.

The CBTs and books provide a quick, easily accessible reference tool that is always available, according to Wilhoite. The training can be used to learn detailed, technical information here at work, or an employee can use it from home to take courses for personal or professional development.

Doug Brown, an ATA contract administrator, used SkillSoft to help him advance into his current position.

"I started using SkillSoft in October 2008 as one of the tools to prepare myself to sit for the Project Management Professional (PMP) Exam," he said. "After taking 60 hours of course work and simulated tests provided by SkillSoft, I was able to sit for the PMP exam and pass on my first attempt in June 2009.

"The program gave me a better understanding of project management, the role it plays in our business environment and personal lives. Obtaining the PMP certification has given me the chance to open doors for opportunities that would not have been possible be-

See E-LEARNING, page 7

AEDC and TWRA sign MOA



AEDC Commander Col. Michael Panarisi and TWRA Executive Director Ed Carter sign an update of the 1991 Memorandum of Agreement (MOA) as from left to right, Richard Kirk, Tennessee Wildlife Resources Agency (TWRA) Region 2 wildlife coordinator; Wes Winton, AEDC Wildlife Management Area (WMA) manager; Tim Cleveland, Region 2 director; and George Buttrey, Region 2 lands management biologist, look on. TWRA provides wildlife management services, including hunt management, fish and wildlife surveys, wildlife population control, wildlife law enforcement, road improvements, wildlife habitat improvements, place fish attractors in Woods Reservoir, manage and maintain six boat launching ramps and the new ramp at Morris Ferry Dock. (Photo by Rick Goodfriend)

Only two more bulk shred opportunities at AEDC for 2010

Bulk destruction of unclassified plastic materials will be Monday.

These materials include computer media, video tapes, photographs, viewgraphs, etc.

Pick-up times are 8-10 a.m. and drop-off times are 10 a.m.-noon.

In support of personnel working Night Ops schedules, Cintas will pick up and shred materials on site at scheduled locations during this time.

Call Vickie Seals, 454-6003, to schedule a Cintas pickup for large quantities or bulky items.

Employees can drop off materials at the Cintas truck, which will be parked in the Main Cafeteria/Credit Union parking lot during this time.

Please remember to package materials

in small quantities for safe lifting/handling by all personnel.

Bulk destruction of personal materials will be from 8 a.m.-noon Thursday in the Main Cafeteria/Credit Union parking lot.

Personal materials can include junk mail containing personal information, bank statements and other account statements, old tax records, etc.

If you will not be at AEDC during this time, you have the option to deposit your personal materials in a locked Cintas bin at the ATA Industrial Security Office, Building 253 anytime until Wednesday. Protection of materials will be ensured pending destruction.

The ATA Industrial Security Office is located directly behind the AEDC Fire Hall.

Stephens awarded for idea



Pat Eagan, director of the Support Services Department, presents Andrea Stephens with a check for submitting an idea/commitment to the ATA Energy Conservation idea program. Stephens' idea was to install solar panels on all of the buildings on base to help reduce the cost of providing electricity to those buildings. (Photo by Philip Lorenz III)

'Lessons learned during a career in aerospace'

Event provides informal setting to share ideas, vision of future

By Philip Lorenz III
ATA Public Affairs

A recent American Institute of Aeronautics and Astronautics (AIAA)-hosted presentation on "lessons learned during a career in aerospace" provided a forum for aerospace engineers from around the country to meet and discuss ongoing challenges.

Guest panelists for the event, held at the University of Tennessee Space Institute (UTSI), included Dr. Ed Kraft, AEDC chief technologist; Dr. David Elrod, ATA general manager; Steve Pearson, ATA deputy general manager; Lowell Keel, former ATK vice-president for X-Programs and X-43 program manager; and Don Sauvageau, ATK space systems director of advanced space programs.

They discussed key lessons learned from their time in the aerospace industry, on hypersonic programs, space transportation and AEDC's ground test capabilities in support of the aerospace industry for more than 50 years.

Peter Montgomery, AEDC Space and Missiles deputy product branch manager, said the event, which was hosted by the local AIAA chapter, was important for several reasons, but he felt it was a good first step in addressing one particular issue.

"The aerospace industry is at a critical crossroads," he said. "A steadily increasing percentage of the aerospace work force is approaching eligibility for retirement, and there is a high risk of not having enough engineers and scientists in the education pipeline to step in for those that will soon depart the industry."

"It is therefore very important to inspire tomorrow's aerospace workers and those who will lead them to pursue a long-term career in the industry, while preserving and passing on the key lessons the current leaders have learned during their time in the industry."

Montgomery, who chaired the presentation, added, "Events like this are important because they provide a forum to reach out and connect with the next generation, encouraging them to join the industry, reminding those currently in the industry what makes this such an amazing career field, and inspiring those with experience in the industry to step up into leadership roles."

Dr. Stan Powell, an AEDC Fellow and an ATA engineering specialist, said the local AIAA chapter's choice of participants and topics covered provided a valuable opportunity for everyone who attended to find common cause on several issues.

"Those guys on that panel deal with much more difficult problems than I do, but listening to them is very good because they're bright guys and they've got the best interest of this place and the people who work here at heart," he said. "And they care about the things that are important, like integrity and that's something we haven't talked about and we absolutely have to."

Dr. Powell, who came to AEDC in 1978 after completing his doctoral degree in aerospace and mechanical engineering from Iowa State University, said integrity is



AEDC's Peter Montgomery, who was the moderator for "lessons learned during a career in aerospace," which was held at UTSI, looks on as AEDC Chief Technologist Dr. Ed Kraft answers a question from a member of the audience. To Dr. Kraft's left are Steve Pearson, ATA deputy general manager, and Don Sauvageau, ATK space systems director of advanced space programs, and to his right are Dr. David Elrod, ATA general manager, and Lowell Keel, former ATK vice-president for X-Programs and X-43 program manager. (Photo by Philip Lorenz III)

high on his list of things needing to be addressed, especially among his peers at events like this presentation.

"The number one thing and I was glad that they brought it up, is whatever you do, whether you're an engineer or someone cutting the grass or whatever, you've got to maintain your integrity," he said. "If you give that away, you've got nothing left. No matter how bright you are, if a person knows that you have compromised your integrity, they've got every reason to ignore you."

Montgomery said the panelists at the presentation represented a good cross-section of the aerospace community.

"This group of speakers had experiences that cut across many different parts of the aerospace industry, including aviation, hypersonics, solid rocket and space transportation system development, aerospace ground testing, modeling and simulation, aerospace technology development and more," he said. "With such a broad background of experiences, it provided something for everyone in attendance, and I believe the event was enjoyed by all who could join us."

Rick Gamble, ATA's Space and Missiles Product Branch manager, was impressed by the event's speakers on several levels. He said the senior leaders who addressed those attending the event had clearly given their

best effort during each stage of their careers and this paid off in preparing them for subsequent assignments.

"They all chose, or were open to, assignments when presented, but they didn't seem to think that 'I need to try this specialty or that so that I can get promoted,'" Gamble said.

It was his impression that these senior leaders had used their experiences to advise and mentor their respective staffs, peers and subordinates on career planning, setting goals and the best ways to achieve those goals.

Gamble also spoke about another topic the panelists brought up during their presentation, the subject of risk.

"Part of my role is to inform the local decision-makers of the risks present in our undertakings and advise them on a course of action," he said.

Dr. Powell agreed with Gamble's approach and said dealing with risk is a balancing act between avoiding it to the point testing is less effective and being reckless and thereby potentially endangering personnel and damaging ground testing facilities and infrastructure.

In essence, Dr. Powell indicated that in regard to ground testing, a measured and intelligent approach to

see IDEAS page 13

AEDC's Joshua Johns travels the road less traveled

By Philip Lorenz III
ATA Public Affairs

Long before Joshua Johns first came to AEDC in 2005, he already knew the best path in life was not always straight nor the easiest one.

"I grew up reading biographies and attempted to model my life after what they did, thinking I would get to those same places," he recalls. "My parents were always there to support whatever I did and pushed me to do things outside of my comfort zone."

Johns said he was initially an electrical engineering student at Tennessee State University, but a decision to transfer to Middle Tennessee State University made him reconsider that field.

"I admit I did not plan on a career at AEDC or even the government, but once I started my co-op program, I selected coursework that pushed me in this direction."

So, when Johns, the finance resource adviser for AEDC's test systems division, first learned he could volunteer to deploy overseas, there was no turning back – his mind was set on going.

In January, Johns became the first civilian employee to deploy to Al Udeid AB from Arnold AFB.

A military base west of Doha, Qatar, Al Udeid AB, houses coalition personnel and assets and serves as the host to a forward headquarters of the United States Central Command. It is also home to the 83rd Expeditionary Air Group, Royal Air Force and the U.S. Air Force's 379th Air Expeditionary Wing.

Motivated by a desire for new experiences, Johns sought out the advice of a co-worker and friend, Tech. Sgt. John Bankston, AEDC's team chief of financial services.

"I just wanted to see something different," Johns said. "I was born and raised within 50 miles of Nashville and I've never really been anywhere. Before I started working for the Air Force, I had never even been on an airplane. I've never really been north of Kentucky or west of the Mississippi. It seemed like an opportunity to do something completely different."

Sergeant Bankston was well aware of his friend's interest in deploying and on the lookout for any opportunities. When an advertisement for three possible positions, two at state-side bases and one at Al Udeid AB, came to his attention, he forwarded the e-mail to Johns.

Sergeant Bankston said his friend wasted no time in responding.

"By the end of the day, Josh had discussed it with



Johns

his leadership and got approval," Sergeant Bankston recalled. "We sent his name to our FM [financial manager] war planner and it all started to come together after that. Of course, since he was after a 'true deployment,' I figured he would choose the one to Al Udeid since it was overseas."

Johns recently spoke about his deployment experience at a luncheon hosted by the Junior Force Council at the Arnold Lakeside Center.

Sergeant Bankston, who did a six-month deployment to Iraq from May to November 2006, said he could identify with what he heard at the presentation.

"I think Josh nailed it on the spot, the experience," he said. "[It's all about] getting up in the morning at 0600 [hours] and the whole routine" he said. "So, every time he mentioned something, I was like, 'I know what that's like, I can relate.'"

Johns described his role during the 130-day deployment as helping the experts.

"I mostly worked with the joint coalition partners on the funding and acquisition of commodities, radios [being one example], mostly supplies that you can buy in bulk that help support the warfighter," he said. "A lot of what I did was capture costs that were reimbursable to the Air Force that the other joint coalition partners were not currently paying – described those costs that actually go to the partner and capture reimbursements. I worked capturing costs and reimbursements from contractors as well."

Capt. Joshua Weed, the wing executive officer for the 100th Air Refueling Wing at RAF, Mildenhall, England, recalls his time working with Johns during the deployment to Qatar.

"I was the 379th Air Expeditionary Wing Budget officer at Al Udeid," he said. "Mr. Johns worked for me in the budget office. He was an exceptional member of the team."

"He was the only civilian in the 15-person comptroller squadron, but he made consistent strides to be a member of the team and participate in all military activi-



Joshua Johns, the finance resource adviser for AEDC's test systems division, recently gave a presentation at the Arnold Lakeside Center on his deployment experiences with 379th Expeditionary Comptroller Squadron in Al Udeid AB earlier in the year. (Photo by Rick Goodfriend)

ties and exercises along the way. I can't say enough good things about Mr. Johns' efforts, dedication to our mission and exceptional performance during his AEF deployment."

Captain Weed added, "He was recognized as the wing civilian of the month, which is quite an accomplishment at any wing, but especially at the largest composite wing in the Air Force."

Johns, who holds a bachelor's degree in finance and a master's in economics, said he enjoys keeping up with the market in his spare time as well.

When he isn't busy keeping up with the world of finance, he focuses on more down-to-earth projects, like putting in new laminate wood floors in his home.

His advice to high school students is simple and to the point.

"Keep your eyes open to opportunity and don't fixate on a specific path," he said.



Before their deployment ended, members of the 379th Air Expeditionary Wing, specifically the 379th Expeditionary Comptroller Squadron, gathered for a group photo. Pictured (from left to right) are Staff Sgt. Terence Lee, accounting tech; Senior Master Sgt. Armando Fajardo, superintendent; Joshua Johns, budget technician; Tech Sgt. Jason Haynes, budget NCOIC; Staff Sgt. Aleha Will, customer service technician; Senior Airman Steven Colletta, accounting technician; Staff Sgt. Richard Paulsen, Customer Service Technician; Capt. Joshua Weed, budget officer; Tech Sgt. Sterling Hopkins, accounting NCOIC; Master Sgt. Joanna Ogden, paying agent; and Maj. Michelle Griffith, commander. Front Row (kneeling, left to right) is Master Sgt. Lourdes Cruz, customer service NCOIC; and Senior Airman Neisha Nixon, cashier. (Photo provided)

At AEDC, drums drive the songs

By Philip Lorenz III
ATA Public Affairs

Drums, which have their roots in antiquity and have crossed virtually all cultural boundaries, have played a major role in music, communication and even the military over the years.

Several people at Arnold Engineering Development Center (AEDC) have been brought together by their interest in percussion, especially since Col. James Jolliffe, the special assistant to the center commander, has offered drumming lessons at the Community Activities Center (CAC) since arriving at Arnold in 2008.

Colonel Jolliffe, who will retire next month, started playing the snare drum in the fifth grade, after taking two years of piano lessons as required by his hometown band program.

"I played in the junior



Col. James Jolliffe, the special assistant to the center commander, provided drumming instruction to James Kennedy, the son of Maj. Jim Kennedy, AEDC's former Judge Advocate General. Colonel Jolliffe said he has been most influenced by the drumming of Buddy Rich, Neal Peart with Rush, Jeff Pocaro, with Toto, and Billy Joel's drummer, Liberty Devitto. (Photo by Rick Goodfriend)

high and high school concert and marching bands, the high school pep band, jazz band and accompanied the choral group," he recalls. "I gave some lessons in high school. I took a break from drum-

ming from my junior year in college until 1999 when I bought an electronic drum set and hooked up with some folks during my assignment in Headquarters, United States European Command.

"My older brother played the drums and I looked up to him. I like classic rock and roll the best and the band I'm in – American Pie – plays that kind of music."

Most of those he has taught drum lessons to since coming to AEDC have been the children of friends and co-workers on base, but Colonel Jolliffe also counted some of the parents among his students.

Charles "Ray" McCoy, a computer-based training design engineer for ATA, has had a passion for the instrument for a long time, but only started taking lessons from Colonel Jolliffe relatively recently.

"I have always enjoyed the drums and have known all along that drums are what drive a song," said McCoy, who has been at AEDC for 12 years. When McCoy realized that buying a real drum kit was no more expensive than the cost of an X-Box game and gear, the decision was made.

"I have been playing now for about three and a half years and just enjoy putting a favorite song on my MP3 player and playing along...well, trying to play along," he said.

It seems that virtually everyone who plays a musical instrument has their share of performers who have provided the inspiration to at least consider learning how to play.

"Cozy Powell from the 1970s band Rainbow is who really inspired my style and interest in trying

see DRUMS page 15

Down to the ‘core’: Don’t overlook this part of your workout

By Col. Michael Panarisi
AEDC Commander

OK, so we’ve tuned our regimens, added flexibility, and focused some efforts on our legs to help out our running, so what’s next?

We’ve covered upper body, lower body, so what about all that stuff in the middle?

Since our “core” ties it all together, we can’t overlook this vitally important segment, and one that is probably the easiest to see results quickly.

This is a “high bang for the buck” area, yet for some reason, is often a weak spot in even seasoned athletes.

Some think of the “core” as the “abs” but there’s really much more

to this area than the famous “six pack.”

The six pack is just the beginning. There is a whole family of muscles literally surrounding the midsection, all of which contribute to keeping us stable in so many activities.

Some trainers even lump in the lower back, making the “core” the only real “all around” focus area.

For this reason, it takes a family of exercises to get them all working together. A quick set of “crunches” just doesn’t cut it.

The good news is, the routines available are wide and varied. You can literally do a couple a day

and by the end of the week, you’ve hit them all.

But let’s dispense with some mythology.

If you are carrying extra pounds around the midsection, working this area is not a cure.

You can’t tell your body where to burn fat. You can only trigger the need.

While it’s true firming up the abs will help flatten your profile, don’t make the mistake of relating the muscle groups you work to the fat burns in those areas.

There’s just no linkage.

If weight loss is part of your goals, don’t try to “target” the losses. Be patient and let the pounds go wherever they may.

The center “abs” get all the attention, and for a good reason.

They are the largest group and have the unearned reputation of being the culprits when we look in the mirror.

Crunches and sit-ups target this area, but there’s a trap.

Any exercise you do on your back with your feet anchored will eventually engage the hip flexors in

your legs, and can be tough on your lower back.

If you really want to focus on the abs, get off the floor!

My favorites are the Swiss ball crunch and the suspended leg raise, neither of which pose a lower back risk.

But these are a little tough to describe, so if these aren’t familiar to you, take my word for it ... you’re better off getting

Ron (Stephenson) or one of our trainers to give you a quick demo.

While you’re at it, ask them for the variations ... just a little “twist” and you can get all the ab groups into the game.

That’s right. Those two exercises are the foundation for five or six more that offer a great tune up all the way around your waist. That leaves the lower back, and again, there are plenty of moves to choose from.

One thing to keep in mind on the lower back ...

Of all the muscle groups, this area is typically the weakest and easiest to

overload, so start very slowly here.

Most of us think we have “strong backs” and here’s where your body can really fool you.

Your back will take on a very high load during a workout, and unlike your other muscle groups, the fatigue is less evident, so the real pain can come the next day.

Plus, instead of loading just one or two joints, you load over a dozen, so the risks are real. This is not the place to get macho.

Slow and steady on this. I like the reverse Roman Chair, and the yoga inspired “swim.”

Again, get Ron to demo. Combined with the “front side” routines, you will notice a big difference in stability very quickly, and a strong core is a big plus

for all of your workouts.

One last word of caution ... flexibility here is just as important as the other muscle groups, so ask Ron to show you the stretches you need to do after a core workout.

A tight midsection will bleed over to a whole range of maladies, so don’t skimp here.

But properly tuned, the core will let you take your other workouts to the next level, and with so many exercises to choose from, you don’t need an “ab day” to make this work.

Just add a couple moves to the end of your daily routine, most of which only require a single set.

You’ll have real benefits in minimal time.

That’s a double bonus worth every minute in the gym!

Social from page 2

sites are just the beginning of an information evolution.

With every Airman being a spokesperson these sites help the ultimate goal

of telling the Air Force story.

Airmen just need to remember that they should tell the story the smart, secure way.

Special Olympics from page 1

For example, Becky Combs, engineering technician for ATA Space and Missiles Rockets Division, is the Special Olympics Area 13 volunteer committee co-chairwoman, AEDC volunteer chairwoman and ATA volunteer co-chairwoman with Wilsie Ford, customer service representative in the IIA Photo Lab, who is also the Area 13 awards committee chairwoman.

Ford and Janice Willis, who works in IIA Graphics, have volunteered with Special Olympics for at least 20 years.

Combs has been involved with Area 13 for 10 years. Before that, she

volunteered for 13 years in Kentucky.

IIA’s AEDC Project Manager Kent Turner said the company employs 15 people at AEDC and about 190 companywide. It is based in Oak Ridge.

“Information management is IIA’s expertise, but here we have the multimedia, which include the video, the photo and the graphics,” Turner said. “We have the technical library and we’re responsible for records management. We have the forms management and publications management as well, and we have the real property drawing storage and the technical publications.”

Ms. Cheap to speak at annual luncheon

Mary Hance, known across Tennessee as Ms. Cheap, will be the guest speaker at the annual Women's Equality Day luncheon.

The luncheon, sponsored by the Federal Women's Program, will be held at 11:30 a.m. Sept. 15 at the Arnold Lakeside Center (ALC) and is open to the public.

Hance's Ms. Cheap column, which appears Mondays, Thursdays, Saturdays and Sundays in the Tennessean's Life section, is its 16th year and focuses on being a smart, frugal consumer.

She has also written three books, "Ms. Cheap's Guide to Nashville," "Ms. Cheap's Guide to Getting More for Less" and "99 Things to Save Money in Your Household Budget." She also appears weekly on "Talk of the Town" on NewsChannel5.

A native of Senatobia, Miss., she is a graduate of the University of the South at Sewanee.

The menu for the luncheon is Mexican buffet and is \$8 for ALC members and \$9 for non-members.

Reservations and payment are required by Sept. 7 by contacting Toni Trimble, 454-7131, or Holly Jones, 454-5613.



Hance

E&CAC member election underway

Employees are encouraged to vote for six new members to serve on the ATA Employee and Community Activities Committee (E&CAC).

The purpose of this committee is "to provide a means for the ATA work population to demonstrate its commitment and sincere interest and concern for the general welfare of all ATA employees and the surrounding communities."

This committee is divided into four subcommittees: social, civic, athletic and education. The social committee is primarily re-

sponsible for planning and sponsoring social events for ATA employees such as the ATA Christmas Social. The other three committees are primarily responsible for bringing donation or activity requests to the entire committee with their recommendations.

There are a total of 18 members on the committee at all times.

In order to keep the committee from being comprised of one community, there are three general areas that reach into other local communities. The Tullahoma area represents Tulla-

homa and Lincoln, Bedford and Moore counties. The Manchester area represents Manchester, Cannon, Warren and Rutherford counties. The Winchester area represents Winchester, Franklin and Grundy counties as well as portions of Northern Alabama.

Due to committee membership turnover, some areas need more new members in fiscal year 2011 than other areas.

The nominees are listed below.

Winchester Area (vote for three): Lora Arnold, Launa Konyndyk, Phyllis

Lafferty, Cyndi Marshall, Andrea Stephens and Jill Russell

Manchester Area (vote for one): Becky Combs, Carson McAfee, Suzanne Moore, Misty Stone, Billy Terrell and Paige Turner.

Tullahoma Area (vote for one): Christy Brunner, Keena Cornelius, Janet Gammon, Jackie Harding, Gary Hill, Brad McClure, Shewanda McCord, Kim Mead and Tom Northcott.

Votes can be sent via e-mail or base mail to Melody Gilliam MS-1109. All votes must be received no later than Sept. 3.

e-learning from page 3

fore, such as my current position in ATA Contract Administration."

Wilhoite said, in addition to computer-based training, SkillSoft also includes online mentoring services and Knowledge Center portals. Employees who currently purchase business books through book clubs can enjoy significant savings using Books 24x7, an online library offering more than 20,000 of the latest and best business, technical, engineering, informational technology and compliance books as well as summaries of analyst reports and executive best practices.

A SkillSoft license, which provides employees access to numerous training opportunities, costs ATA \$70 per

person for 12 months.

"SkillSoft lets you take as many courses as you want," Wilhoite said. "You can take them from home. Of course you can't get paid for your time if you're taking them from home."

Taking courses during work hours requires the approval of an employee's manager, who must provide a charge number.

Wilhoite said the current contract is due for renewal at the end of September. ATA employees wanting a license to take courses should notify their department's training coordinator. Training coordinators names and information are listed on the ATA training website. The course catalog can be viewed at www.skillsoft.com.

Blood Assurance holds blood drive at AEDC



Blood Assurance Donor Care Specialist Jamie Krueger checks on Paul Girata Jr., during a blood drive held last week at AEDC. Girata, who is an ATA engineer with AEDC's Advanced Missile Signature Center, said he donates blood every chance he can "because it's just one small way I can help." According to Tari-Lee Gates, the donor recruiter for Blood Assurance, the recent effort resulted in 128 units of donated blood. She said every unit of blood has the potential to save three lives, which could translate to a total of 384 lives saved altogether after the recent blood drive at AEDC. Gates is from the Tullahoma Donor Center, this region's representative for Blood Assurance, a non-profit blood bank based in Chattanooga that provides blood products to hospitals in Chattanooga, Southern Middle Tennessee, Northern Alabama, Northern Georgia and North Carolina. (Photo by Rick Goodfriend)

To advertise in High Mach, call the Tullahoma News at 455-4545

AEDC holds emergency response training exercise

(Photos by Rick Goodfriend)

Steve Luttrell, an ATA patrol officer, responds to a report of a suspicious vehicle parked adjacent to AEDC's High-Enthalpy Arc-Heated Facilities.



Jeff Swanberg, ATA police detective and the Exercise Evaluation Team member for a force protection training exercise held on base Aug. 10-11, responds to a call during the event. Pictured behind and to his right, is Tommy Rust, an ATA police lead officer, and to his left are Steve Luttrell, ATA patrol officer and Jeff Thames, AEDC assistant chief of training with Arnold's Fire Department.

Jeff Thames, AEDC assistant chief of training with Arnold's Fire Department, reviews emergency response procedures with (from left) Tommy Rust and Steve Luttrell, ATA police officers, on the second day of an a force protection training exercise scenario involving a car bomb on base.



Jeff Swanberg, ATA police detective and Exercise Evaluation Team member, assesses the response of police force personnel to a simulated car bomb planted by a disgruntled subcontracting employee.



AEDC Fire Department and Police Force personnel respond to the simulated detonation of a car parked adjacent to AEDC's High-Enthalpy Arc-Heated Facilities.



Tommy Rust, an ATA police lead officer, looks in the backseat of a car while Steve Luttrell, ATA patrol officer, looks in the driver's side during the force protection training exercise on base.



A mannequin is used to simulate a police officer injured when a car bomb was detonated (simulated) on base.



Left to right, Charlie Armstrong, AEDC Fire Department rescue crew chief, and Lonnie Brown, AEDC Fire Department rescue driver/operator, provide a team effort to rescue an injured officer (mannequin) from the scene of a simulated car bomb detonation adjacent to AEDC's High-Enthalpy Arc-Heated Facilities.



From left, AEDC firefighters Jim Coily and Sam Teat, with an attack line, Jay Baldwin, ATA Fire Department driver/operator (top of truck) prepares the fire apparatus to provide high pressure water to the attack lines, Richard Gunn, ATA crew chief (by the truck's door) making ready to lead the attack on the simulated detonation and fire of car parked adjacent to AEDC's High-Enthalpy Arc-Heated Facilities. Rear, from left to right, Tony Rollins (red hat) an EET safety officer, watches as Tom Lombard, the AEDC Fire Department's assistant fire chief, directs the emergency response as the incident commander.

Tunnel 9 students making a difference at White Oak

By Shawn Jacobs
ATA Public Affairs

The Hypervelocity Wind Tunnel 9 has enjoyed several successes this summer with the rollout of a new control room, validation of several advanced instrumentation techniques and a highly successful scramjet test.

Perhaps the greatest success story of the summer at AEDC's White Oak, Md., facility is the dedication to technical nurturing of new employees.

The student program managed by John Lafferty and mentored by Joseph Norris continues to pay huge dividends in developing new capabilities and advancing the understanding of high-speed physics, according to Dan Marren, director of AEDC White Oak.

Students continue to find unique ways to distinguish themselves, including earning advanced degrees, presenting journal-quality research at technical symposia and participating in challenging technique development for Tunnel 9.

"We have found a will-

ing and extremely able partner in the University of Maryland in taking student activities to a whole new level," Marren said. "Students, AEDC employees and advising professors work as colleagues learning from each other and together creating something quite remarkable."

AEDC shares the White Oak campus with the Food and Drug Administration (FDA) and opportunities to participate in technical and social activities abound. The FDA holds a student technical poster exhibit among its many sponsored students working at the Federal Research Center at White Oak.

AEDC's students were welcome to attend and four University of Maryland students represented AEDC with outstanding technical posters representing their summer projects.

Gino Perrotta presented temperature sensitive paint data reduction based on his participation in this unique test technique.

Robin Klomprens presented results from the design and calibration of a

Mach 3 nozzle in the White Oak Student Lab and its importance to the operation of Hypervelocity Wind Tunnel 9.

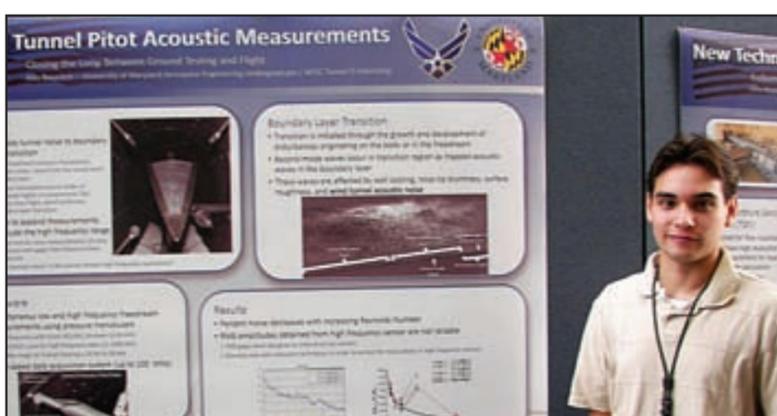
Brian Kwong presented the mechanical design and fabrication project he headed that supported the return-to-service test in Tunnel 9 making possible simultaneous measurements.

Alex Bounitch presented results on pitot acoustic measurements in Tunnel 9, which for the first time gave clues to scaling parameters useful to predicting transition on actual flight vehicles based on Tunnel 9 data.

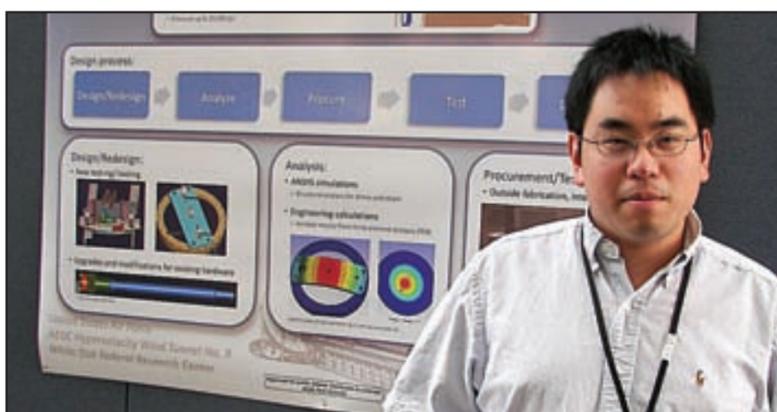
Besides his academic and professional successes, Perrotta competed in the FDA-sponsored 5K run this spring, finishing with a time of 21:26.

He was by far the fastest employee at Tunnel 9, second in his age group and in the top 10 finishers from more than 300 participants.

"In a real sense, our student population is encouraged to become part of AEDC in every way possible and it's that attitude that pays high dividends," Marren said.



Alex Bounitch



Brian Kwong



Gino Perrotta



Robin Klomprens

Summer interns tour NFAC



On Aug. 4 AEDC and the National Full-Scale Aerodynamics Complex hosted a tour of the 80-by-120-foot wind tunnel at Moffett Field, Calif., for the entire NASA Ames Research Center Summer 2010 student intern class. Approximately 150 high school, university undergraduate and graduate students participated in the two-hour tour. The tour included an emphasis on how AEDC supports the nation's space program by discussing the facility's role in the original space shuttle program and in the Mars planetary science program (Mission Exploration Rover and the recent Mars Science Laboratory parachute testing). A highlight was showing a big-screen video (using the side wall of the tunnel test section) of a 2009 Mars Science Laboratory parachute deployment using a high-speed film record acquired by the NASA Jet Propulsion Laboratory. (NASA photo by W. Warmbrodt)

Situational awareness: a key to safety and security

By Shawn Jacobs
ATA Public Affairs

Have you ever arrived at a familiar destination then realized you could not remember anything that occurred along the way?

If so, it appears you were operating at a situational awareness level of “tuned out.”

On the contrary, when driving on busy stretches of interstate, especially around major cities, you have a much higher situational awareness level as you attempt safe passage.

“Situational awareness is a mindset of being aware of one’s surroundings and identifying potential threats and dangerous situations,” said Angelia Garrard, AEDC assistant operational security (OPSEC) program manager and ATA assistant facility security officer. “It can be effectively utilized

by anyone with the will and discipline to do so.”

When it comes to security, especially on base, “tuned out” is never the desired level of situational awareness, according to Garrard.

“Most of the time, ‘relaxed awareness,’ where you’re paying attention, but enjoying life is the desired state of awareness,” she said. “You know the rules, you’re complying with the rules, you’re aware of potential threats, but are applying appropriate countermeasures, and nothing specific has occurred to change the threat environment or to put you on a higher alert.”

The five stages of situational awareness include “tuned out,” unaware of surroundings; “relaxed awareness,” paying attention, but enjoying life; “focused awareness,” carefully ob-

serving a potential danger; “high alert,” confirmed danger, need to take action; and “comatose,” in shock, unable to function.

Operational security awareness outside normal duty hours is one area that has required extra attention since the 2009 annual information security review, according to Jeannie Bowden, ATA facility security officer. “An important OPSEC emphasis to our work force is that outside normal duty hours we need to be especially attentive regarding unauthorized personnel, unauthorized or suspicious activities, use of unauthorized equipment, ensuring facilities are secured when unmanned, etc.”

Garrard said situational awareness applies to both safety and security concerns.

“People need to be aware of what’s going on, take

appropriate actions when things don’t look right and ensure they’re not ‘zoned out’ when working in classified, when completing end-of-day security checks, etc.,” she said. “Instead of going through your daily routine of checking a box, just think about what you’re doing.”

Situational awareness can and should change depending on circumstances.

“We may have increased awareness because there are more foreign nationals

in the area,” Garrard said. “We may be doing a job we haven’t done in a while, and, from a safety perspective, heightened awareness is critical in avoiding personal injury.

“Situations can even be test-specific; for example, customers at times require higher levels of security controls for unclassified programs. Our awareness is usually at the right level for classified activities, but we tend to operate at a reduced awareness level

when supporting unclassified activities.”

Anyone on base wanting more information about situational awareness or other security concerns can call Garrard at 454-3131.

“This situational awareness tool is a good reminder to our work force,” Garrard said. “We kind of get lax and complacent, and this tool can be another way of focusing our minds to evaluate what we’re doing each day, getting our awareness level where it needs to be.”



Ideas from page 4

risk-taking was essential, taking into account that risks are inherent in that process. He emphasized an intelligent approach to testing that would allow valuable lessons to be learned in the process.

“That’s why you ‘test before flight,’” he said.

Dr. Leo Daniel, the Martin Luther King Jr., visiting professor of aeronautics and astronautics at the Massachusetts Institute of Technology in Boston, was one of those who had been in the area to attend the recent Joint Propulsion Conference in Nashville.

“I attended this event to learn more from these great leaders in aerospace engineering,” he said. “(I wanted to know) what made them very successful in the 1960s, a fit that is very uncommon in today’s aerospace industry. I learned about perseverance, determination and encouragement, which will form a benchmark in professional development.”

Dr. Daniel felt the presentation was excellent overall and added, “All presented a convincing argument and it is well worth repeating. I enjoyed every moment of it and I look forward to another round of such a meeting.”

Another person who attended the presentation was Ron Schlagheck, a former NASA program manager for the materials science research projects, who retired in 2006.

He was in the area representing the AIAA and Arnold Community Council to assist them with getting congressional support for various projects for both NASA and AEDC.

“I am in a learning process for the needs (of) AEDC and (its) mission

since I am new to the area,” he explained. “I also was trying to set up a visit with Dr. (Robert) Moore, UTISI’s executive director to get a better understanding of the future needs for UTISI and how AIAA can help.”

Schlagheck said, “I was involved in, among other things, the investigative experiments that required microgravity to solve the physics and chemistry equations. Previously, Ron was the Hubble Space Telescope Director for on-orbit systems verification. I worked at the Marshall Space Flight Center in Huntsville for more than 37 years before retiring in 2006.”

With a master’s in aerospace engineering from the University of Florida and doctorate work in Systems Engineering at the University of Alabama-Huntsville, Schlagheck had worked many cross-discipline projects for NASA, both on the domestic and international scale.

“I decided to participate in this meeting because I wanted to see if the panel’s career lessons learned were common in nature or matched many of my own personal experiences while I was employed,” he said. “No matter where you worked and what projects you were responsible for, there are many common traits and underlying work discipline principles that makes projects successful.”

One of Schlagheck’s biggest concerns, like many of his peers, is the future of aerospace engineering and the state of academics in support of that field.

“With the current nature of higher productivity and extreme schedule pressure, the business of mentoring younger engineers and

‘dumbing down’ the answer/decision for management is not what I experienced in the first 20 years of my career in NASA,” he acknowledged. “As schedule deadlines and resources became more critical, the time ‘pie’ for allocating good supervisor practices and individual mentoring with the junior employee has been reduced and is not considered as important in many aerospace job environments.”

He also spoke about the issue of risk and risk taking in ground testing.

“You have to always take risks in engineering and management decisions in order to balance the project

end product performance, available resources and schedule limitations,” he said. “Of course, the key factor behind trading off the correct level of risks is in the project assumptions made.

“On many projects, the time pressures don’t allow you to adequately investigate the underlying factors used to assign the proper risk level made in determining the end product.”

Like Dr. Powell and Gamble, Schlagheck spoke of striking a balance, but not allowing limitations to escalate risk avoidance when it is not warranted.

“If there are too many unknowns where overall

risk cannot be estimated with reasonable certainty, the engineer/manager needs to push back and get more time to analyze,” he said. “More group input needs to be made in working through the project/program risks. Too many times, just the manager in his/her office does the assessment in a vacuum. I would like to help in this area, in order to grow a stronger work force for future AEDC project opportunities.”

Looking toward the future, he said, “Aerospace for the next two decades or more will have to be more innovative and creative to be able to compete for the

government and international market share for new projects. Commercial, government (i.e., NASA and civilian agencies) and military will need to come up with new approaches to balance the customer requirements against measured project evaluation factors (cost and schedule) and political influence.”

The presentation was organized by the AIAA Space Transportation Technical Committee, supported and promoted by the local AIAA Tennessee Section and their partner societies in the Arnold Association of Professional Societies.

Bike-a-thon from page 1

around 7 a.m. from the Fitness Center.

For Mike Glennon, AEDC’s chief of the communications branch, this was his first year to participate in the fundraiser.

“I am riding, due to me trying to lose weight, and this is a good cause to support,” he said. “I purchased a Trek bike this spring, and the goal is to get out and use the bike.

“[I’ve] been riding for over four months, three to five days a week. Several folks ride from the Communication Branch during lunch.”

He said it was impor-

tant to him to “support the cause and remember we are at war.”

Cameron Limer, who is an electronics engineer with AEDC’s communication branch, said this bike-a-thon was his first as well. However, he pointed out that he is one of those at the base who rides bikes around AEDC on a regular basis throughout the year.

“I think events such as this are a great way to raise awareness of community needs,” he said. “If we get a little exercise out of the effort, that can’t hurt either.”

Capt. Alex Hausman,

the executive officer to AEDC’s commander, said the bike-a-thon provides a number of benefits.

“Community service combined with fitness, what could be better,” said the captain, who has been in the Air Force for more than four years. “I’ve been training for a full marathon and am viewing this as extra training on the side.

He added, “They [events like the bike-a-thon] maintain a focus on those who have come before us and concurrently promote health and wellness.”

Tech Sgt. Jamie Johnson, president of local

AFSA Chapter 477, spearheaded the organizational effort for the bike-a-thon.

“This event raised more than \$1,700 in pledged donations,” he said. “The funds will be used to support quality of life initiatives to include the Annual VA Picnic and the Children’s Christmas Party.

“This event was important to me because the money that we raised is to be used to help people and events in the local community. As a member of AFSA it is always a good feeling to be able to give back to the community to show that we care.”

Drums from page 5

to improve,” McCoy acknowledged. “Of course John Bonham of Led Zepelin is another. These guys were powerful yet innovative drummers who influenced a lot of artists you hear today. They are also very difficult for me to emulate, but it is fun to attempt to play at least parts of their work.”

Playing drums has its share of challenges as well as benefits, according to McCoy.

“My wife was a little skeptical at first, not to mention the fact that she learned that you can’t turn the volume down,” he said. “[However] learning any instrument is a great way to keep you sharp in a lot of ways. Drumming is different from other instruments in that it is very physical, and it is a great stress reliever after a long day at work. Unless you live alone, you might want well insulated walls or you might have to move into the garage.”

Rosemary Matty, an investments program manager with AEDC’s investment branch, decided to take drumming lessons after meeting Colonel Jolliffe.

The Winchester, Tenn., resident occasionally plays for her music ministry during mass at Good Shepherd Catholic Church.

“My 15-year-old daughter also took lessons from Colonel Jolliffe,” said Matty, who has been at AEDC for 29 years. “My 18-year-old daughter also took lessons years ago, [but] from someone else.”

Colonel Jolliffe said his interest in drums, just like the young people and adults he has taught, has a story behind it.

“Many of my friends who play an instrument have those anecdotal stories of how they finally met some famous musician they had always admired and what that experience was like,” he said. “Our small town in western Nebraska was home to Randy Meisner, the original bass player for bands Poco and The Eagles.

“His son was my younger brother’s age and they were in the same grade. Randy had played in a local band in Scottsbluff, called The Dynamics, before he joined and co-founded the bands Poco and later The Eagles. I got to meet him just after he and The Eagles had returned from touring Europe in or around 1973. He was very nice and invested some of his earnings back in our hometown.”

However, Colonel Jolliffe said all anecdotal stories aside, he draws his pleasure from drumming for a more personal reason.

“I enjoy teaching drums as a way to share my enjoyment with others,” he said. “I think a lot of folks have, or have had, desires to make music. Here in Tennessee, I joke that it’s easier to ask who does not play music than who does as that group seems to be the smaller. Music is such a great way to connect with others, whether you play, sing or listen. I’m glad I’ve had the chance to play and teach others about the fun of music. I like teaching and coaching as the rewards of seeing the student grasp the topic or technique is extremely rewarding.”

Colonel Jolliffe said drumming is one of those shared interests that inevitably seem to bring people of different ages and backgrounds together in a place like AEDC. That is how he became acquainted with John Jordan and Jim Sheppard.

Jordan, a section manager for ATA technology and analysis branch, was in the seventh grade when he joined the Lexington Junior High School Band in North Carolina.

“I became interested in popular music during the British Invasion – the Beatles, Rolling Stones, etc. – of the early 1960s,” he said.

Jordan was inspired by drummers for popular bands at the time, including Chicago’s Danny Seraphine and The Rascals’ Dino Danelli.

“Joe Morello of the Dave Brubeck Quartet impressed me with ‘Take Five’ as well as Buddy Rich,” Jordan said. “I started [playing drums] in Lexington Junior High and High School marching bands, choral groups and orchestra and played in the all-state band my senior year. I played in a couple popular music groups around Lexington at local dinners and parties.

“After college graduation in 1974, my wife and I moved to middle Tennessee and I eventually joined a band with Peggy Burton and other musicians in the Tullahoma area.

“We played at various civic functions, dinners, etc.,” he said. “Peggy Burton asked me to play with the Community Playhouse orchestra during their first production of ‘Gypsy’ in the late 1970s at the old playhouse at Northern Field.”

Since then Jordan has played in numerous Tullahoma Community Playhouse production orchestras, the last one being “You’re a Good Man, Charlie Brown” in 2009.

“I played in a recent playhouse production of ‘Grease’ at the Bear Hollow dinner theater in Monteagle when

my daughter played the part of Rizzo,” he said. “In the late 1970s, I joined The Inside Track, another popular music band. We played around Middle Tennessee at various civic organizations, wedding receptions, dinners, parties, the Officer’s Club, etc. for several years.”

More recently, Jordan has performed a few times with the Third Monday Jazz Jam organized by Bob Lovett at the Tullahoma Event Center.

“I continue to enjoy performing and trying to improve,” Jordan acknowledged. “My wife and family have spent a number of occasions without me during performances and while I was spending way too much time practicing, especially for playhouse productions.

“My wife only complained about not having a dance partner or missing Mother’s day for playhouse productions. Our daughter, Michelle, seems to think I have something to do with her love of music and performing.”

Jim Sheppard, system manager in ATA’s information technology section, grew up in Mississippi and developed an interest in playing the drums when he was 10.

“My first inspiration was seeing Buddy Rich on television,” he said. “My favorite drummer to play along with was John Panozzo of Styx.”

Like many of those at AEDC who learned to play drums when they were young, Sheppard’s first few bands were with classmates in high school “and never left the garage.”

“I’ve played in too many bands to remember,” he said. “All of them were with friends or friends of friends. I still play part time.

“I find myself playing every time I have a few seconds – on hold on the phone, while writing a CD – I just can’t stop.”

Sheppard is still surprised at the impact his earlier musical adventures have had on his family.

“I was out with my daughter and her friends recently,” he said. “She’s 22 and she still tells everyone about watching her dad open for folks like Charlie Daniels and Confederate Railroad. She was so young back then I didn’t know she still remembered. My buddies Troy Holland from PMEL and Bobby Smith from IT were in that one.”

Another one of Colonel Jolliffe’s students is AEDC Commander Colonel Michael Panarisi.

“I’ve always been an ‘air drummer’ and my wife Rebecca thought there must be something worth pursuing



From left, Dr. Charlie Vining, AEDC’s Turbine Engine Ground Test Complex technical director, Col. James Jolliffe, special assistant to the center commander, and Rachel Dent perform at the ALC during a Friday Jam Night event. Rachel is the 10-year-old daughter of Jan Dent, acting deputy, Services Branch, Mission Support Division, and Mike Dent, Test Integration Manager, Turbine Engine Ground Test Complex. (Photo provided)



From left, Tom Breece, the head of the music department at Motlow State Community College, and AEDC’s Joe Reavis, as members of the South Jackson Band, play for an ice cream social at the South Jackson Civic Center in the summer of 2007. Reavis is among the “community of drummers” who also play at the Friday Night Jam sessions held every month at the ALC. (Photo by Maureen Burke)

after years of watching me tap on every surface around the house,” Colonel Panarisi said. “We’re [also] trying to get [my son] Michael interested in music, so the theory goes ... ‘he’ll be interested in what Daddy is interested in.’”

“We really hope this helps inspire him to take an interest in music. We’re not going to vector him towards a specific instrument, just expose him to the possibilities and let his interests guide him. I get to have some fun along the way, and live out my childhood passion for ‘being a rock star.’”

Looking back on who impressed him when he was younger, the colonel said, “The drummer from Rush, Neal Peart, just blew me away when I was in high school ... he really makes the band.”

When asked how he will put his new skills to use, Colonel Panarisi said, “[It’s] just a hobby, maybe a guest appearance at Jam night [at the ALC].”

Another person who came to Colonel Jolliffe’s attention through the Friday Jam Nights at the ALC was Joe Reavis, an ATA engineer-

scientist with ATA’s design engineering branch.

Reavis, who has been at AEDC for 56 years, first took up drumming while in junior high school.

“I was assigned to drums, [because] they were out of trumpets,” he said.

Colonel Jolliffe said people like his younger students and the well established drummers like Reavis are the individuals who make playing drums worthwhile.

“He [Reavis] and I have played together at First Friday and at the third Monday Jazz Night in Tullahoma,” the colonel said.

Reavis recalled some of the highlights during the many years he has played drums.

“My first band was a country band, I was 13 or 14, don’t remember their name,” he recalls. “They wanted to experiment with the use of a drummer in a country band. Country bands at that time did not have drummers. I only worked a couple of gigs and my parents made me stop.”

Reavis has worked with approximately six bands on a steady basis over the years

and presently he is playing with the South Jackson Band in Tullahoma.

“I [also] have a family of drummers – [my] son, daughter, step-son and three grandsons are drummers,” he said. “Drumming is kind of a sport; you must keep the beat, lead the band, read the music, improvise and juggle all at the same time, or in today’s terms, multitask.”

Reavis explained that playing drums has had a much more significant impact on his life than he could have ever anticipated.

“I have made friends all over the southeast through drums and music,” he said. “I have played for politicians, congressmen, senators and at beauty contests, company functions, military bases, country clubs, weddings, funerals, memorial services and honkytonks.

“When I was in high school, I played in Tullahoma for their celebration of the coming of AEDC when it was referred to as just ‘The Wind Tunnel.’ I was unaware of the significance of that event then and the great affect it would have on me and this area.”

**Arnold Golf Course
454-7076**

Mulligan's Grill at Arnold Golf Course will be closed for the remainder of their major renovation as of Aug. 23. This project includes new counters that will extend across the room and include an order station and pick-up station, the bulkhead will be removed, a digital menu board with LCD monitors will be added, a grab and go cooler will be built into the counter for easy access to salads, cold sandwiches, desserts and more. A highlight of this endeavor will be the addition of Starbucks coffee. A grand reopening with ribbon cutting will be scheduled upon completion of this improvement project.

The **Club Championship** tournament will be held Aug. 28-29 beginning with an 8 a.m. shotgun start both days. Entry fee is \$40 and includes lunch on Sunday. Cart is not included. Play will be 36 holes individual stroke. Sign up in the Pro Shop by Aug. 25.

A **Member/Member Tournament** is scheduled for Sept. 18 with 8 a.m. shotgun start. Entry fee is \$80 per team and includes lunch. Cart fee is not included. Front nine holes will be two-person best ball and the back nine holes will be two-person scramble. Sign up in the Pro Shop by Sept. 15.

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

**Arnold Lakeside Center
454-3350**

Trivia Contest returns 6 p.m. Sept. 24. 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. A tutorial will be given promptly at 6 p.m. to all participants prior to the start of the game. The game will begin immediately following the tutorial. Six rounds of questions will be administered consisting of three questions in each round. Each round is worth 10 points. The team with the most points at the end will have their choice of available prizes. Remaining teams will select prizes in order of finish in point standings. Ties will be broken by a trivia play-off.

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

Movie nights are every Thursday with movie start time of 6 p.m. and dinner available from the Express or Pizza menus from 5-8 p.m. The schedule for September is: **Sept. 2** – "Robin Hood," rated PG-13 starring Russell Crowe and Cate Blanchett. The story of an archer in the army of Richard Coeur de Lion who fights against the Norman invaders and becomes the legendary hero known as Robin Hood. **Sept. 9** – "The Karate Kid," rated PG starring Jaden Smith and Jackie Chan. Work causes a single mother to move to China with her young son who finds himself the target of the school bully but with the help of a kung fu master settles the battle at a local tournament. **Sept. 16** – "Knight and Day," rated PG-13 starring Tom Cruise and Cameron Diaz. June Havens finds her everyday life tangled with that of a secret agent who has realized he isn't supposed to survive his latest mission. **Sept. 23** – "Twilight: Eclipse," rated PG-13 starring Robert Pattinson, Taylor Lautner and Kristen Stewart. As a string of mysterious killings grips Seattle, Bella, whose high school graduation is fast approaching, is forced to choose between her love for vampire Edward and her friendship with werewolf Jacob. **Sept. 30** – "The Last Airbender," rated PG starring Noah Ringer and Dev Patel. The story follows the adventures of Aang, a young successor to a long line of Avatars, who must put his childhood ways aside and stop the Fire Nation from enslaving the Water, Earth and Air nations.

See Briefs, page H3



Ocoee Trip set for Sept. 18

Outdoor Rec is going to the Ocoee River for rafting down Class III and IV whitewater rapids on the middle Ocoee Sept. 18.

This section is a five-mile stretch that takes you through rapids such as Grumpy, Broken Nose, Diamond Splitter and Table Saw.

Ages 12 and older will meet at Outdoor Rec at 6:30 a.m. to begin this full-day adventure. Plan to return to Outdoor Rec by 6 p.m.

Cost is \$65 and deadline to sign up is Sept. 8.

A late registration fee of \$5 will be applied after that date and a \$5 cancellation fee will be charged after Sept. 14.

There must be a minimum of 12 participants to go and maximum capacity is 24.

Remember to wear or bring swimsuits or appropriate clothing for water sports. Also bring dry clothes to change into after rafting and money for food and drinks.

Participants age 12-17 must have a parent sign a release form.

No experience is necessary to enjoy the adventure of Ocoee River rafting.

The guides have the reputation of being some of the most experienced and best guides on the Ocoee River.

Call 454-6084 for more details and to sign up.

Air Force Club membership and football is a winning combination

Air Force clubs throughout the world offer club members who participate in the Football Frenzy promotion chances to win a trip to regular season games and the Super Bowl.

Members need only to attend a Football Frenzy event at their local club and fill out an entry form to be registered to win.

"Football Frenzy is a members' reward program," said Fred McKenney, Chief, Air Force Food & Beverage Division and Air Force Services Agency.

"There are many reasons to be a club member and a once-in-a-lifetime opportunity like this is just one of them."

In addition to the NFL game trips, the club offers other specials and local prize giveaways during Football Frenzy events.

Non-members are welcome to attend and are eligible for local prizes, but only members may enter for the grand prizes.

The promotion runs concurrently with the NFL season Sept. 9, 2010 through Feb. 6, 2011.

Arnold Lakeside Center will be open every Sunday beginning Sept. 12 from 12:30-8 p.m. showing games determined

by those in attendance.

Members may enter every time they attend but only once per visit.

In the first two drawings, members have a chance to win a trip to a regular season game.

Each winner is allowed to bring one guest to the game.

"These trips are so fantastic, even non-football fans are sure to enjoy them," McKenney said. "We do more than just give them entry into the game; we also give them airline tickets, a rental car and hotel accommodations."

Throughout Football Frenzy and the NFL season, members can expect a party-type atmosphere at their local club.

In the third drawing, conducted Jan. 5, 2011, members can win a trip to Super Bowl XLV held Feb. 6, 2011 in Arlington, Texas, home of the Dallas Cowboys.

Our final drawing, the "end-of-season" bonus drawing is conducted Feb. 22, 2011 where 10 lucky participants will each be selected to win a \$500 bonus prize.

For more information, call 454-3350 or stop by Arnold Lakeside Center.



Book Fair returns Sept. 13



Services welcomes back Books Are Fun for a book fair from 9:30 a.m. – 3 p.m. Sept. 13 in the A&E Building's Arnold Room, room A123. Discounted selections include paperbacks, best sellers, educational, reference, cookbooks, children's items, gift selections and more. Save up to 70 percent off retail prices and get an early start on Christmas shopping.



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

Services information written and provided by Tanya Heggard

This Services supplement is published by *The Tullahoma News*, a private firm in no way connected with the U.S. Air Force, under exclusive written contract with the Air Force. This supplement is an authorized publication for members of the U.S. military services. Contents of this supplement are not necessarily the views of, or endorsed by, the U.S. Government, the Department of Defense or the Department of the Air Force.

Services Division is an exclusive area available to all AEDC personnel, active duty, retired military, National Guard, Reserve military and others as approved by the commander. Services activities include Wingo Inn (lodging), Arnold Lakeside Center, Outdoor Recreation (Marina, FarmCamp, Crockett Cove), Golf Course, Family Member/Youth Programs and Fitness Center. Those mentioned above are eligible to use any Services activity during regular operating hours unless it is specified as a "members only" event. Membership remains a personal choice, however, only members are entitled to discounts and other benefits associated with membership.

ALC to host luau Sept. 17



Arnold Lakeside Center will host a luau on the ALC beach from 7-11 p.m. Sept. 17.

A themed buffet will be served to include salad, pasta salad, huli huli chicken, pulled roasted pork, aloha sweet potatoes, luau fried rice, haupia coconut pudding and macadamia cookies.

A best luau dressed competition will be held along with other games and prizes.

Cost for the evening is \$18 for members and \$20 for non-members.

Reservations need to be made by Sept. 13 by calling 454-3350.

Youth Programs is part of the 2010 CFC

Arnold Youth Programs is proud to have been selected to participate as a charity in the 2010 Combined Federal Campaign (CFC), an annual workplace charitable giving campaign for employees of the U.S. Government.

The mission of the CFC is to support and promote philanthropy through a voluntary program that is employee-focused, cost-efficient and effective in providing federal employees the opportunity to improve the quality of life for all.

The solicitation period for the campaign runs from September through December.

As we get closer to this period we will provide you with Arnold's CFC code that will be used for our Youth Program.

We will also be hosting fundraisers such as bake sales during the solicitation period.

CFC is significant because it is an opportunity for all of us to really make a difference for our Arnold Community.

The contributions made to Youth Programs will directly affect active duty, retirees, DoD and contract civilians and their families who reside here in our local community.

CFC funds will support recreational activities and holiday programs for both our families and youth.

Texas Hold 'Em tournament begins Sept. 9 at ALC

Arnold Lakeside Center will host a Texas Hold 'Em tournament for Members First Plus members beginning Sept. 9.

The tournament will be held at 6:30 p.m. every Thursday and will run for eight weeks.

Prizes will be awarded for first, second and third place each week and each weekly winner will earn a seat at the championship table.

Points will be assigned according to place finished. Top point earners will finish out the seats at the championship table.

Prizes will be awarded to the championship first, second and third place winners.

Weekly tables are created by random draw of players present at starting time.

Players must be present by 6:30 p.m. to draw tables. No players will be added after 6:30 p.m.

Players must be age 18 or older to play.



Services Division Phone Numbers

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

Hap's Pizza – 454-5555
 Membership Information – 454-3367
 Information Tickets, Tours – 454-3303
 Fitness Center (FC) – 454-6440
 Outdoor Recreation (ODR) – 454-6084
 FamCamp – 454-4520 or 454-6084
 Marina – 454-6084 or 454-3838
 Recycling – 454-6068

Family Child Care – 454-3277
 Family Member/Youth Programs – 454-3277
 Human Resources – 454-5481
 Marketing & Sponsorship – 454-3128
 Barber Shop – 454-6987
 Wingo Inn – 454-3099
 Golf Course (GC) – 455-5870 or 454-7076
 Gossick Leadership Center – 454-3024

September 2010

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
Outdoor Rec Fall Color Cruise trip coming Oct. 30 for only \$45. Call 454-6084 for details and to sign up.			ALC Hap's Pizza, 11 a.m. – 1 p.m., also available Chef Salad or Surprise Special, call ahead 454-5555 FC Pilates 11 a.m.	GC Unlimited golf \$10 every Tuesday & Thursday FC Cycle Pump Class – Yellow shirt cycling 11 a.m. FC Karate 3 p.m. FC Zumba 4:15 p.m. ALC Dinner & Movie Night "Robin Hood" PG-13 dinner 5-8 p.m. movie 6 p.m.	FC Piloga 11 a.m. ALC Lynchburg Ribeye, \$13.95 member, \$14.95 non member 4-9 p.m. FamY Movie Night, 5-7 p.m., age 9 and up, free popcorn, 454-3277	ALC Veal Parmagiana with pasta, \$9.95 members, \$10.95 non members, 5-9 p.m.
5	6	7	8	9	10	11
	FC Open 8 a.m. – 4 p.m., no classes	GC Unlimited golf \$10 every Tuesday & Thursday ALC AEDC Woman's Club luncheon meeting 9:30 a.m. FC Cycle Pump Class – Endurance Cycling 11 a.m. FC Karate 3 p.m. FC Zumba 4:15 p.m. FC Deadline to sign up for intramural volleyball league	ALC Hap's Pizza, 11 a.m. – 1 p.m., also available Chef Salad or Surprise Special, call ahead 454-5555 FC Pilates 11 a.m.	GC Unlimited golf \$10 every Tuesday & Thursday FC Cycle Pump Class – Yellow shirt cycling 11 a.m. FC Karate 3 p.m. FC Zumba 4:15 p.m. ALC Dinner & Movie Night "The Karate Kid" PG dinner 5-8 p.m. movie 6 p.m. ALC Members' Texas Hold 'Em Tournament starts, every Thu, 8 weeks, 6:30 p.m., weekly prizes	FC Piloga 11 a.m. ALC Cedar Plank Salmon, \$11.95 members, \$12.95 non members, 4-9 p.m.	ODR Paintball, 9:30 a.m., \$20 includes lunch, ages 10 and up, 454-6084 ALC dining room closed; to go Express and Pizza menu only
12	13	14	15	16	17	18
ALC Football Frenzy begins, every Sunday, 12:30-8 p.m., members enter to win trips to games and Super Bowl	ALC Book Fair, 9:30 a.m. – 3 p.m., A&E Rm A123, save up to 70% off FC Cycle Pump Class - Zesty cycling 11 a.m. FC Yoga 11 a.m. FC Intramural Flag Football League begins, 6 p.m., Mondays and Wednesdays, sign up by Sept. 1, 454-6440	GC Unlimited golf \$10 every Tuesday & Thursday FC Cycle Pump Class – Endurance Cycling 11 a.m. FC Karate 3 p.m. FC Zumba 4:15 p.m.	ALC Hap's Pizza, 11 a.m. – 1 p.m., also available Chef Salad or Surprise Special, call ahead 454-5555 FC Pilates 11 a.m. FC Intramural flag football 6p.m.	GC Unlimited golf \$10 every Tuesday & Thursday FC Cycle Pump Class – Yellow shirt cycling 11 a.m. FC Karate 3 p.m. FC Zumba 4:15 p.m. ALC Dinner & Movie Night "Knight and Day" PG-13 dinner 5-8 p.m. movie 6 p.m.	FC Piloga 11 a.m. ALC Luau at the ALC beach, 7-11 p.m., \$18 members, \$20 non members, contests and prizes, sign up, 454-3350, by Sept. 13 ALC to go Express and Pizza menu also available	GC Member/Member Tournament, 8 a.m., \$80 per team, sign up by Sept. 15, 454-7076 ODR Ocoee Rafting trip, 6:30 a.m., ages 12 and up, \$65, sign up by Sept. 8, 454-6084 ALC Crawfish Boil, \$12.95 members, \$13.95 non members, 5-9 p.m.
19	20	21	22	23	24	25
ALC Football Frenzy begins, every Sunday, 12:30-8 p.m., members enter to win trips to games and Super Bowl	FC Cycle Pump Class – Zesty cycling 11 a.m. FC Yoga 11 a.m. FC Intramural flag football 6p.m.	GC Unlimited golf \$10 every Tuesday & Thursday FC Cycle Pump Class – Endurance Cycling 11 a.m. FC Karate 3 p.m. FC Zumba 4:15 p.m. FC Intramural volleyball league begins at 6 p.m.	ALC Hap's Pizza, 11 a.m. – 1 p.m., also available Chef Salad or Surprise Special, call ahead 454-5555 FC Pilates 11 a.m. FC Intramural flag football 6p.m.	GC Unlimited golf \$10 every Tuesday & Thursday FC Cycle Pump Class – Yellow shirt cycling 11 a.m. FC Karate 3 p.m. FC Zumba 4:15 p.m. ALC Dinner & Movie Night "Twilight: Eclipse" PG-13 dinner 5-8 p.m. movie 6 p.m. FamY 4-H Meeting, 4:30-5:30 p.m. FC Intramural volleyball 6 p.m.	FC Piloga 11 a.m. ALC Prime Rib for Two, \$31.95 member, \$32.95 non members, 4-9 p.m. ALC Trivia Contest, 6 p.m., teams of 4, 6 rounds, prizes	ALC dining room closed; to go Express and Pizza menu only
26	27	28	29	30	ALC Chili Cookoff planned for Oct. 1. Cook your best recipe on site from scratch and compete to win prizes.	
ALC Football Frenzy begins, every Sunday, 12:30-8 p.m., members enter to win trips to games and Super Bowl	FC Racquetball Ladder tournament, sign up by Sept. 7, play Monday through Friday, players schedule matches FC Cycle Pump Class – Zesty cycling 11 a.m. FC Yoga 11 a.m. FC Intramural flag football 6p.m.	GC Unlimited golf \$10 every Tuesday & Thursday FC Cycle Pump Class – Endurance Cycling 11 a.m. FC Karate 3 p.m. FC Zumba 4:15 p.m. FC Intramural volleyball 6 p.m.	ALC Hap's Pizza, 11 a.m. – 1 p.m., also available Chef Salad or Surprise Special, call ahead 454-5555 FC Pilates 11 a.m. FC Intramural flag football 6p.m.	GC Unlimited golf \$10 every Tuesday & Thursday FC Cycle Pump Class – Yellow shirt cycling 11 a.m. FC Karate 3 p.m. FC Zumba 4:15 p.m. ALC Dinner & Movie Night "The Last Airbender" PG dinner 5-8 p.m. movie 6 p.m. FC Intramural volleyball 6 p.m.		

Hours of operation

Arnold Lakeside Center – Special function luncheons available. Call 454-3350 for arrangements. Catering/Management offices Tuesday-Friday 10 a.m.-3 p.m.; Lunch: limited menu Wednesdays, 11 a.m. – 1 p.m., call 454-5555 to place orders; Dinner: Arnold Express Menu or Hap's Pizza only Thursday 5-9 p.m., dinner or Arnold Express Menus and Hap's Pizza Friday and Saturday 5-9 p.m.; Main Bar Thursday 4:30-8:30 p.m., Friday and Saturday 4:30-9 p.m.; Social Hour Friday 4-6 p.m., Movie Night Thursday 6 p.m.
Family Member/Youth Programs – Tuesday through Friday 10 a.m. – 5 p.m., Saturday 12-5 p.m., First Friday Movie Night 5-7 p.m.
Outdoor Rec – Main Office, Check In, Marina and Auto Shop Tuesday through Sunday 8 a.m. – 6 p.m., FamCamp Store Tuesday through Friday 3-5 p.m., Saturday and Sunday 8-11 a.m., 2-5 p.m, Lifeguards at GLC beach Saturday and Sunday from 10 a.m. – 6 p.m.
Fitness Center – Monday-Friday 5 a.m.-9 p.m.; Saturday 8 a.m.-4 p.m.; Sunday 12-5 p.m. **Open 8 a.m. – 4 p.m. Sept. 6, no classes due to holiday**
Arnold Golf Course – Pro Shop and Driving Range daily 7 a.m.- dusk, Mulligan's Grill: closed due to renovation.
Recycling – Monday through Friday 7 a.m. – 4 p.m.
Wingo Inn – Monday through Friday 7 a.m. – 6 p.m., Saturday and Sunday 8 a.m. – 4 p.m.
Barber Shop: by appointment – Monday, Wednesday & Friday 8 a.m.-2 p.m.; Thursday 8 a.m.-noon

BX/Commissary customer eligibility

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

AAFES Dividends

Dividends generated from the Army and Air Force Exchange Service (AAFES) overall earnings are a major contributor to Services nonappropriated fund (NAF) construction and renovation projects as well as equipment purchases. Services would like to thank all AAFES customers for their support. Dividends received for July 2010 totaled \$7,744.89.



ALC Casino Night with Oktoberfest theme set for Oct. 16.

AEDC Woman's Club schedules meeting

The AEDC Woman's Club will be meeting at 9:30 a.m. Sept. 7 at the Arnold Lakeside Center. The program will be a fashion show with members modeling clothes from Cato. For reservations call Flora Yando 455-5676. Pictured to the left are the Executive Board and Committee Members for the 2010-2011 year.

Briefs from H1

Arnold Lakeside Center
454-3350

Friday night dining room specials available from 4-9 p.m. Sept. 3: Lynchburg rib-eye, \$13.95 members, \$14.95 non members. No First Friday Jam due to holiday weekend. **Sept. 10:** Cedar Plank Salmon, \$11.95 for members, \$12.95 for non members. **Sept. 17:** Luau at the ALC beach, 7-11 p.m., games, contests and prizes, \$18 members, \$20 non members. Regular dining closed; to go Express and Pizza menu only. **Sept. 24:** Prime Rib for Two \$31.95 members, \$32.95 non members. Please call for reservations to ensure special is available. All specials and times are subject to change without notice. Please call ahead to ensure availability and openings.

Saturday availability and specials: Sept. 4: Veal Parmigiana with pasta, \$9.95 members, \$10.95 non members. **Sept. 11:** dining room closed; to go Express and Pizza menu only. **Sept. 18:** Crawfish Boil (1 lb.) with corn on the cob and red potatoes, \$12.95 members, \$13.95 non members. **Sept. 25:** dining room closed; to go Express and Pizza menu only. The dining room is open on Saturdays from 5-9 p.m. unless otherwise specified. Please call for reservations to ensure these specials are available. All specials and times are subject to change without notice. Please call ahead to ensure availability and openings.

Chili Cookoff has been set for Oct. 1 behind Arnold Lakeside Center. Teams entering the event will need to provide all of their own supplies to start, cook and complete their chili entry and plan to make enough to provide samples as well as a batch for final judging. Teams need to be self sufficient and make all necessary arrangements for electrical (if required), tables, chairs, utensils, containers, ingredients, etc. Costumes and booth decorations are highly encouraged. Official rule sheets are available upon request. Prizes will be given for best tasting, best tasting runner-up, best team spirit (decorations and costumes), most unusual ingredient and people's choice voted on by others in attendance. People's choice votes are \$1 for three tasting bowls to sample chili and cast votes. There is no cost to enter chili.

Casino Night is back with Oktoberfest theme Oct. 16 from 6-10 p.m. The event is for ages 18 and up and the gaming portion is free. Participants will be given play money to try their hand at various tables to include blackjack, roulette, craps and wheel of fortune. After gaming is complete, participants will use their winnings to bid on prize items during an auction. All are encouraged to come in appropriate costume and a contest will be held for Most Oktoberfest Spirit. A German buffet will be served for \$12.95 for members and \$14.95 for non members. Call 454-3350 for dinner reservations.

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

Family Member/Youth Programs (FamY)
454-3277

New Hours begin Sept. 1. Youth Programs Open Recreation will be open Tuesday through Friday 10 a.m. - 5 p.m. January - May and August - December. Summer Camp will be held June and July Monday - Friday from 7:30 a.m. - 4 p.m. During this time Open Rec will be open 4:30-6 p.m. only. Youth Programs is open 12-5 p.m. on Saturdays. Movie Night is held every first Friday of the month from 5-7 p.m. and includes free popcorn. Youth Programs is closed Sundays, Mondays and holidays. Call 454-3277 for further information about programs offered.

The Youth Employment Skills (YES) Program is an on-base youth volunteer program funded by the Air Force Aid Society (AFAS) and jointly administered by AFAS and Air Force Family Member Programs Flight. This program is offered to high school aged children (grades 9-12) of active duty Air Force members assigned to Arnold Air Force Base. The YES Program allows all certified and enrolled high school students to "bank" volunteer dollar credits toward their post-secondary education/training at a rate of \$4 per hour volunteered in an on-base position. Students may accumulate as much as 250 hours, for a potential \$1,000 maximum, over all four years at high school combined. In addition, the participating base youth program will "bank" base community credits at a rate of \$2 for every hour volunteered per student, up to a maximum of \$10,000 per program year. Students who wish to participate can contact Youth Programs at 454-3277.

Youth Movie Night will be Sept. 3 from 5-7 p.m. Ages 9 and up are invited to the Open Rec Center to watch a movie. There will be free popcorn, juice and water.

On Sept. 23 our 4-H Extension Officer (Franklin County) will be hosting new enrollment club meeting briefing opportunities the youth can do if they decide to join. Arnold Youth Programs **4-H Club** is open to all AEDC affiliated children from 4th grade to 12th grade.

4-H offers many different opportunities. When you join 4-H you are joining the world's largest youth organization. 4-H is also not just an American organization as there are 4-H clubs in over 80 countries around the world. Some of the big contests that 4-H really encourages are the speaking events and the poster contest. These events allow 4-Hers to express their creative sides and develop skills that will come in handy later on in life. 4-H also offers many different contests, camps, and honor's programs that the members can become involved with. 4-H is always striving to teach young adults how to become better citizens and leaders through the many programs available.

On Oct. 28 all new members will be introduced to the 4-H public speaking contest. All participants that receive a blue or red

ribbon will get to move on to the county contest. The regional contest for the seniors will be held at MTSU and the sub regional contest for juniors is still to be determined. Seniors also have to give an impromptu speech. There will also be a short program from the 4-H microwave usage program.

The 4-H program offers many different opportunities such as the Demonstration Contest, Clover Bowl, Judging Teams, showing livestock, camps and many more opportunities. Call 454-3277 to sign-up today.

Fitness Center
454-6440

The Fitness Center Intramural program is taking signups for the **Flag Football and Volleyball leagues**. Deadline to sign up for Flag Football is Sept. 1 and Volleyball sign up deadline is Sept. 7. Flag Football is set to begin Sept. 13 at the Arnold Village Softball Field outfield with games on Monday and Wednesday starting at 6 p.m. Volleyball will begin Sept. 21 at the Fitness Center with games on Tuesday and Thursday starting at 6 p.m. Call 454-6440 for more details or to sign up as individuals or teams.

Intramural Bowling League is set to begin Aug. 23 at Tullahoma Lanes. Games are played every Monday (except Sept. 6 and Dec. 27) from 5-7 p.m. This is a men's and women's handicap league and continues through March 28 for ages 18 and over. Teams must consist of three players and no more than six. Cost is \$12-\$13 per week. Prizes will be awarded at the end of the season. Call 454-3735 to sign up for the league.

The **Fitness Center will be open 8 a.m. to 4 p.m. Sept. 6** in observance of the Labor Day holiday. There will not be any classes conducted this day.

A **racquetball ladder tournament** will begin Sept. 27. Participants should sign up no later than Sept. 7 to be on the list of players. Games will be played Monday through Friday and scheduled among participants. Call for more details and to sign up.

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

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

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

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

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

Outdoor Rec (ODR)
454-6084

Paintball is back Sept. 11. Ages 10 and older are invited to play. Meet at Outdoor Rec. at 9:30 a.m. Cost is \$20 and includes lunch. Remember to wear long-sleeved shirts and long pants.

Cruise the Grand Canyon of the Tennessee River and see one of nature's most magnificent wonders dressed in its entire fall splendor. Outdoor Rec is going to Chattanooga to take a ride on the **Southern Belle Riverboat** Oct. 30. Meet at Outdoor Rec at 10:30 a.m. and return approximately 6:30 p.m. Cost is \$45 per person and deadline to sign up is Oct. 19 (nonrefundable if cancelled after Oct. 20). There must be a minimum of twelve to make the trip and max number of participants is twenty-eight. The cruise will take you on the famous Tennessee River Gorge to see nature's brilliant canvas of vivid fall colors. There will be live entertainment for a foot stompin' good time, free bingo with gift shop prizes and a delicious buffet for lunch to include roast beef and rotisserie chicken. Call 454-6084 for more information and to sign up.

Upcoming Event:

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

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

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

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

The **Armed Forces Vacation Club (AFVC)** is a "Space Available" program that offers Department of Defense affiliated personnel the opportunity to take affordable condominium vacations at resorts around the world for only \$329 per unit per week. All AEDC personnel are eligible to use this program. The AFVC makes this possible by utilizing "excess" inventory at condominium timeshare resorts. "Excess" inventory consists of condominium units that resort owners do not use, which generally means off-season or short-notice travel. If you enjoy off-season activities in popular locations without the hassle of high-season prices, crowds and lines or if you can travel on 10 days notice or less, the AFVC offers an incredible vacation value.

The current 7-day, Space-A, condo rental offer is a great value, but some people may like other vacation choices and support as well - those that can't travel off-season or on short notice. To

help meet this need, they also offer a separate travel club that provides 24-hour service for discounted airline, rental cars and hotel reservation services, as well as discounted cruise and tour packages. Book airline tickets, rental cars and hotel reservations and getting a 5 percent cash rebate after the trip.

To make a reservation, travelers need their AFVC Account Number (7033-xxxxx), the toll-free number (1-800-724-9988), a credit card number, an idea of when and where they want to go and the desire to get away, relax and have fun! If this is your first call, tell them you are a "first-time AFVC caller". The vacation guide will take your name, address, telephone number, AFVC Installation Number (Arnold is #327) and assist with making your reservation. At the end of the call, even if you do not complete a reservation, the guide will assign you an account number for future use. Your Installation Number is very important. 704th Services will receive a commission for your confirmed reservation to put back into programs offered for you locally.

The **Auto Shop** is a great place for do-it-yourself minor work and repairs. There is one stall available with a lift, air compressor, parts washer and a variety of tools. There is a fee of \$2 per hour. Staff can repair, mount, balance and rotate tires, by appointment. A repair using a plug is \$5 or a mushroom patch is \$10. The charge for mounting is \$3 per tire and for balancing is \$2 per tire. Tire rotation includes balancing for four tires and is \$16 for cars and vans and \$20 for trucks.

Wingo Inn
454-3051

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

Gossick Leadership Center
454-3024

The GLC has a **snack bar** on the back deck open Saturday and Sunday from 10 a.m. to 4 p.m. Menu includes hot dogs, nachos, chips, crackers, candy bars, assorted ice cream treats, sodas, water and beer. Be prepared to show identification for beer purchases.

SNACK BAR
NOW OPEN
 at the GLC deck
 10 am - 4 pm Saturday & Sunday