



HIGH MACH

Serving the World's Premier Flight Simulation Test Center



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AEDC's oil cleaning program saves center money, reduces lost test time



Mike Bowman, ATA outside machinist, prepares a portable processing unit at the Oil Processing Facility prior to deployment. These small units are delivered to a piece of equipment to remove water and particulate contamination from its oil without removing the oil from the equipment. (Photo by Rick Goodfriend)

By Philip Lorenz III
Aerospace Testing Alliance

Energy efficiency and petroleum are currently hot topics in the news and no one has to look far to realize their importance, especially at a place like AEDC.

Before initiating an oil cleaning program in 2005, AEDC's leadership and work force had already established and carried out best industry practices regarding the use of petroleum products, according to David Hurst, manager of ATA's reliability engineering branch.

"By keeping the oil in our hydraulic reservoirs clean, we improve the reliability and performance of the servo controllers used for control of the process air valves in AEDC's test facilities," he said. "With the improved performance of the control valves, we reduce lost test time, improve data quality and reduce the amount of time required to reach and acquire the test data. Because of the improved reliability, fewer servos need to be replaced, therefore, reducing maintenance costs. All of these factors reduce test costs and save energy for our test customers and for AEDC."

Hurst said being proactive has been one of the hallmarks of Arnold's approach to improving operational efficiencies and reducing costs.

"By testing the incoming oil as it arrives at AEDC, we potentially prevent the contamination of our hydraulic systems," he said. "For example, if we put one 55-gallon drum of dirty hydraulic oil into one of our larger systems, we could contaminate 5,000 gallons of oil which will have to be cleaned or disposed of."

"The cost of a drum of oil is about \$500. If we had to replace the oil in the system, it would be about \$50,000 for the material and labor to drain, clean and refill the system. The process to clean the oil in a large 5,000-gallon system would take five days during which we would not have access to the equipment that used this hydraulic system. The oil processing facility easily pays for itself each year in reducing lost test time and improving our performance and reliability."

Casey Schewe has been the system engineer for the Oil Processing Facility at AEDC for four years.

"We process both new and used oil for water and particulate contamination," he said. "We have processed on average more than 4,000 gallons – greater than 75 drums – of used oil per year. Once the oil is cleaned, it is either stored for future use or returned to service in the facility which supplied it for processing."

Keeping up with inspecting and maintaining a clean supply of oil at AEDC keeps everyone involved with the process

challenged and busy.

"The most destructive oil contaminant is water, and it also happens to be one of the toughest to remove," Schewe explained. "The oil processors we use at AEDC work by vacuum dehydration. The principle is the same as the reason water boils at a lower temperature in Denver than it does here in Tennessee – the lower air pressure."

"The oil processors reduce the air pressure around the oil so the water will come close to boiling at 140 degrees Fahrenheit. It would be like boiling water on top of Mount Everest. Since we don't get the oil really hot to remove the water, the chemistry of the oil doesn't break down and we can extend its useful life. While all of this is going on, we are also removing particles smaller than the diameter of a human hair. As a result the oil and the equipment will last longer and perform better."

In addition to the Oil Processing Facility, Schewe said there are several other oil processing operations currently in use near that site.

"A stationary unit is in use at VKF Plant, building 651, which is hard-lined into most of their major equipment," he said. "It is run by Otis Eady, an outside machinist, and has been in operation under his care for more than 15 years."

Mobile purification units are also used on site for situations where system-wide

AEDC's Charlie Smith helps with disaster in the Gulf

By Philip Lorenz III
Aerospace Testing Alliance

Charlie Smith, an ATA project engineer for aircraft systems in AEDC's Propulsion Wind Tunnel and retired 19-year command pilot with Nashville's 118th Airlift Wing, recently donned his flight gear to help assess the massive oil spill in the Gulf of Mexico.

Smith, who has supported world-wide tactical airlift missions in the C-130 aircraft, is currently an active pilot in the Civil Air Patrol and has recently been the squadron commander of the local Tullahoma Composite Squadron.

The Mont eagle, Tenn., resident deployed last week on a nine-day mission with members of the Tennessee Wing Civil Air Patrol to Mobile Alabama in support of the Deep Water Horizon Unified Command that links the organizations responding to the gulf oil spill disaster. The command also provides a forum for those organizations to make consensus decisions.

"I have been in the Civil Air Patrol for about five years and this was the first deployment in support of a national disaster that I was a part of," he said. "You have



Top, Casey Schewe, ATA CBM Engineer inspects the condition of a fitting on a clean oil tank at the Oil Processing Facility. Dedicated 1,000-gallon clean-oil tanks are used to transport larger quantities of oil for major maintenance actions or situations requiring increased capacity. Bottom, from left, Bill Hane, ATA outside machinist, and Casey Schewe, ATA CBM engineer, inspect a portable processing unit at the Oil Processing Facility prior to deployment. These small units are delivered to a piece of equipment to remove water and particulate contamination from its oil without removing the oil from the equipment. (Photos by Rick Goodfriend)

decontamination is necessary or removal and transport of the oil from the system is impractical.

"Danny Patterson's shop at the Engine Test Facility [ETF] plant operates several mobile purification units which have been in use for more than 20 years now," Schewe said. "The oil processing facility also utilizes a pair of mobile units for areas outside of ETF when necessary."

"I would estimate that these processes decontaminate more than 5,000 gallons a year, in addition to the amount of oil processed by our facility. If filtration and dehydration cannot return the oil to a serviceable condition, it is then sent on to our counterparts in the environmental branch. There it is combined with mixed oils collected from minor maintenance actions across the base for recycling within the DoD system."

Employees ratify agreement with Premiere Corp.

By Shawn Jacobs
ATA Public Affairs

Premiere Building Maintenance Corp. employees voted to ratify a new five-year labor agreement.

Premiere performs custodial and refuse services at AEDC and is a subcontractor for ATA.

One hundred percent of the 21 employees voting cast ballots in favor of the agreement, which takes effect Oct. 1 and runs through Sept. 30, 2015.

There are 22 members of the bargaining unit, but one was on leave. There are 29 wage employees on the Premiere subcontract; seven are not members of the bargaining unit.

"The negotiations went very well," said Jimmy Nance, president of the Air Engineering Metal Trades Council (AEMTC), a bargaining unit of 12 unions, who helped oversee the discussions. "I'm very pleased with it ... and I think the folks over there [at Premiere] are very pleased with the work the committee did for them, and we appreciate everybody's hard work."

"The company (ATA) is pleased that Premiere and the AEMTC came to an agreement quickly and with such positive support," said James Duncan, deputy branch manager of the Test and Facility Support Branch of ATA, the organization responsible for monitoring of the Premiere subcontract.

"It will allow the Premiere work force and management to refocus on serving their customers, particularly in the challenging environment we currently find ourselves," Duncan said. "I think the overwhelming support for the contract ratification is probably an indicator of the fairness of the contract and the degree of trust between the Premiere management and the bargaining unit. I applaud the professionalism of both parties."

Nance said the negotiations lasted four days, not including the afternoon's vote.

Other negotiators included J.D. Sons of Local 917 of the Operating Engineers, who served as the chief spokesman; Jim Seidl from the Metal Trades Department; Kenneth Gibson of the Teamsters, chairman of negotiations; Jeff Stewart, chief steward for the laborers; and John Taylor, chief steward for the operating engineers and secretary of negotiations.

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Charlie Smith, an ATA senior engineer and mission pilot for the Civil Air Patrol, poses along-side the Cessna 182 that he flew in support of the Deep Water Horizon Mission from Mobile, Ala. (Photo provided)

to get something out of the Civil Air Patrol that money cannot buy, because they don't pay you, and this was definitely one of those things.

"It reminded me of the Tennessee Air National Guard days when we flew off to the Persian Gulf, Somalia and Bosnia in

support of military operations. I remember those days well and never thought I'd do something like that again, but the gulf oil disaster will certainly rank as one of the

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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

Brother's ordeal teaches life lesson

By SrA. Emerald Ralston
92nd Air Refueling Wing PA

Fairchild AFB, Wash. (AFNS) - I thought I was ready for war.

I had gone through Army combat skills training at Ft. Lewis, Wash. I had squared away all my financial and legal documents. I even found a new confidence and a love for the military.

My brother, Army Sgt. Ian Ralston, a combat medic, and I spoke on the phone while I was at Baltimore International Airport, just hours before I boarded my first flight overseas.

He offered me advice, motivation and insight into the Army way of doing things, as I was deploying with the 10th Mountain Division.

Like I said, I thought I was ready.

I arrived in Afghanistan and was sent to Camp Spann, about 200 miles north of Kabul.

After a couple of weeks, I was preparing to convoy to an even more remote area for the next five months.

Before we left, I made the usual call home. I'd ask my parents to pray for me before I went on convoys so they knew what I was up to and, God forbid, in case anything happened, they would be prepared.

This particular time, I didn't get the "Okay, Honey, be safe," I was used to.

Instead I heard my mother's muffled sobs, and through the tears and gasps I put together what I could: the part of the war I wasn't ready for.

"Ian got hit," were the only words I heard before I let out that guttural groan of grief you never want to have to release.

"It's bad ... real bad," were the next words I heard.

My big brother was deployed to Iraq at the time with the 2/23 Infantry Regiment, 4th Stryker Battalion Combat Team, 2nd Infantry Division. He had been on a

convoy earlier that day.

The hours that followed felt like years. My unit at Camp Spann acted more quickly than I thought possible. They understood the gravity of the situation and scheduled convoys, flights and liaisons for me at each stop to get me to my brother.

I spent the next 24 hours running from flight to flight from Afghanistan to Germany, fearing and expecting the worst, trying to find a way to prepare myself for what was to come. I couldn't eat, I couldn't sleep. I had nothing but the love for my brother to keep me going. I needed to see him, and I knew he needed me there.

When I finally arrived at Landstuhl Army Medical Center, Germany, my brother was being stabilized and prepared for a medevac to Walter Reed Army Medical Center, Washington, D.C.

I met with Sgt. Jake Flores, a close friend of Ian's from their first tour in Iraq. He specifically requested to be Ian's nurse so Ian would always have someone he knew and trusted by his side. He pulled me aside before I entered Ian's room and explained Ian's injury to me.

Sergeant Flores offered me a shoulder to cry on. He reminded me to breathe, and reassured me that if I needed to break down, I could take a moment to do just that before I entered Ian's room.

And I did.

My brother -- the reason I joined the military, the reason I wanted to deploy, the person I wanted to make proud more than anyone in the world with my military service -- was now a quadriplegic. Shrapnel from an improvised explosive device had penetrated his C2 vertebra. The shrapnel, the doctors told me, would kill him if they tried to remove it.

When I finally pulled myself together, I knew from that point on I had to be strong, I had to take ev-



Senior Airman Emerald Ralston sits with Army Sgt. Ian Ralston, her brother, at the Veterans Affairs Spinal Cord Injury Center in Minneapolis. Airman Ralston is a public affairs specialist with the 92nd Air Refueling Wing Public Affairs. (Courtesy photo)

everything the military had taught me about strength and bearing and put it all to the test.

When I walked in, I looked at everything except him. I looked at the machine that was breathing for him, at the monitors all around his bed. I focused on the sound of the ventilator breathing in and out, the beeping of his vitals. Finally, my eyes rested on my brother.

Honestly, he looked fine, as if nothing had happened. But then he looked up at me and tried to smile, and I noticed the tubes in his mouth.

From that moment, I spent every second by his side. I flew with him to Walter Reed and was greeted by hoards of military leaders. Chaplains asked if I was okay. Senior officers thanked us for our service. Then nurses loaded him onto another litter, taking his tubes, wires and monitors, and rushed him to the fourth floor, the intensive care unit, an area I became very familiar with over the next three weeks.

Later that night, after my parents arrived, a nurse frantically came into his

ward and told us we had to look at something.

We did, and I knew what I had to do.

After all, my parents shouldn't have to ask their son if he wants to be taken off life support.

It was the single hardest thing I've ever done.

After we took him off his medication and asked him, he blinked twice. No.

He wanted to be kept alive.

From that moment on,

I realized the fragility, preciousness and importance of life. I realized the difference between the war they prepare us for and the side of war that exists in hospitals.

I spent 19 days in Afghanistan and 19 days at Walter Reed. The part of war I saw at Walter Reed was one I didn't see in Afghanistan. It's a side that isn't glamorized in the media like the heroic photos of

See BROTHER, page 6

Why integrity first?

By Lt. Col. Randy Huis
14th Airlift Squadron

Joint Base Charleston, S.C. (AFNS) - A number of years ago, while interviewing for a flying assignment, I was asked a simple question, "Which Air Force core value do you consider the most important?" I immediately thought to myself, "Finally, an easy question."

Then answered with a simple "Integrity first."

That interview was approximately 12 years ago, but my response today would be exactly the same.

Why integrity first? While I expanded my answer during the interview, I simply pointed to a few different examples that all revolved around being able to trust the word of those around you without having to question whether or not what was said was true.

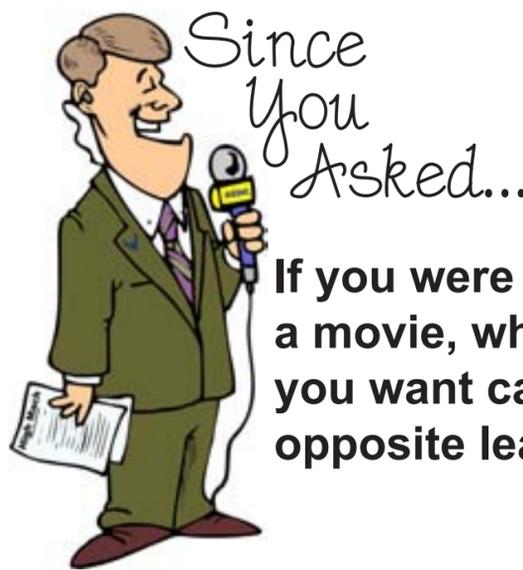
For example, a simple question to the crew chief asking, "How's the jet?" and getting a response, "Good to go, sir." Is it? I sure hope the maintainer has integrity when he tells me this as my life and those on board with me are count-

ing on him and the rest of the maintenance team each and every time I strap the jet onto my back.

The same holds true with the pilot sitting next to me or my loadmaster in the back. How about the weight of the cargo being loaded? It is imperative that the "port dawg" does his job correctly and avoids cutting corners. Otherwise, I may be unknowingly handed a jet that is out of "balance," which could have deadly consequences. Our profession is a dangerous one, but most of all, it is one that requires teamwork and trust to be successful.

Integrity goes well beyond answering simple questions honestly though. Your personal "integrity meter" should have absolutely nothing to do with whether or not you get caught. If it is wrong, it is wrong ... period. Is the Article 15 and \$1,500 fine worth the \$65 cab ride that you supposedly "lost" the receipt for? I think not, but integrity issues go well beyond any monetary figure

See INTEGRITY, page 6



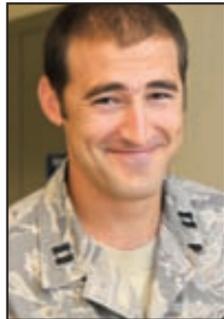
If you were starring in a movie, who would you want cast as your opposite lead?



Shelly Cowan
"Robert Pattinson.
Team Edward."



Tony Rollins
"Jennifer Jason Leigh."



Capt. Scott Rinella
"Jessica Alba"

Col. Michael Panarisi
AEDC Commander

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.

Smoking Policy

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

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

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

2. Supervisors at every level will ensure this policy is followed. Disciplinary action is appropriate for repeated violations.
3. Updates to this policy will be made in the future to further align with Air Force guidelines.
4. This letter supersedes previous letter dated 28 October 2006, subject as above.

AEDC Firefighters remember 9/11 in Stair Climb

By Shawn Jacobs
ATA Public Affairs

Sept. 11, 2001, is a date most Americans will never forget, and some AEDC firefighters are doing their part to keep its memory alive.

Three hundred forty-three firefighters from around the area will come together Sept. 11 to honor the firefighters who lost their lives in the attacks on the World Trade Center.

The firefighters, including 11 from AEDC, will climb the stairs in the Pinnacle at Symphony Place building in Nashville.

The goal is to make it to the 110th floor.

Each participant will be wearing personal protection equipment (PPE) with an air pack – totaling about 60 pounds.

AEDC Assistant Chief for Operations George DeShields said New York firefighters who died in the World Trade Center climbed toward the top of the 110 story twin towers to help save people and to evacuate them from the building.

“To show our respect for those guys and in remembrance of them, we’re going to climb 110 floors in a building in Nashville, wearing our full equipment,” DeShields said. “Number one, it’s to promote remembrance and, two, for fitness.”

DeShields said the participating firefighters have been training in preparation for the Nashville Stair Climb. They are volunteering their own time to participate in the actual event.

“We’ve been climbing the stairs in Mark 1 [space test facility],” he said. “We start down in the basement and go up 10 floors; we do it over and over again, just walking up and

down the steps, just training and practicing.”

AEDC firefighters participating, in addition to DeShields, include Charlie Armstrong, Dennis Eggert, Gary George, Brandon Gunn, Anthony Jimcoily, Chuck King, Ken Locker, Chief Daryle Lopes and Samuel Treat. Jason Armstrong, Charlie Armstrong’s son, is a firefighter with the city of Shelbyville but will climb beside his father as an honorary member of the AEDC team.

Chief Lopes is in full support of the effort.

“I have some awesome troops here and I’m thrilled by every aspect of this effort,” he said. “They make me proud, tired and sore as heck after we train, but way proud. It’s definitely worth it to see them working together as a team to honor our fallen brothers, contribute to a very worthy cause and strengthen our own department in the process.”

DeShields said this is the first time the event has been held in Nashville.

“It’s been done in other cities,” he said. “Denver was the first one to host, I believe in 2005. They’ve been doing it every year since, but this is the first time in Nashville.”

“This annual event is gaining momentum in support of the National Fallen Firefighters Foundation,” DeShields said. “It raises funds across the country to help support families of firefighters who lost their lives in the line of duty. We just wanted to support our brothers and sisters out there across the country who do the same job we do every day.”

AEDC firefighters found out early in their training how strenuous the activity will be,



Above, AEDC firefighters climb the steps at the Mark 1 space test facility in preparation for the Nashville Stair Climb to honor the fallen firefighters of Sept. 11, 2001. At right, AEDC Fire Chief Daryle Lopes rehydrates after tackling the stairs at the Mark 1 space test facility to practice for the Nashville Stair Climb. (Photos by Rick Goodfriend)

according to DeShields.

“It’s really tough,” he said. After you get going, your legs get burning, you’re breathing heavy, and you think ‘it’s only stairs, one step at time.’

“The way that I get through it, I think about the guys who were climbing those stairs on Sept. 11, the people that knew what they were risking and everything else, and yet they went ahead and did their jobs because that’s what we do as firefighters.”



AEDC volunteers go above and beyond call in tax help

By Shawn Jacobs
ATA Public Affairs

Many Air Force personnel are aware that Volunteer Income Tax Assistance (VITA) is available on base for those who qualify, headquartered in the Staff Judge Advocate’s (SJA) office.

But SJA Maj. Mitzi Weems is extremely proud of the extra work AEDC’s VITA volunteers have done off base, using their skills to save taxpayers \$93,027 in tax preparation fees.

“This group of folks went above and beyond in giving of their time and talents to the AEDC local communities to assist in tax preparation,” Major Weems said. “They saved a lot of people a great deal of money and gave them peace of mind knowing that they had reliable tax services.”

This year’s volunteers included Leslie R. Tuttle, team leader/VITA coordinator for AEDC/JA and also a claims examiner and paralegal in the JA office; Mary Grasso, a cook in Base Services; Zakariya “Zak” Mohyuddin, ATA foreign technology engineer; Bob Warwick, retired AEDC engineer and JA legal clerk; Brooke Adams and Robert “Chris” Pfender, both stay-in-school students at Motlow State Community College.

In addition to preparing tax returns on base, they also volunteered in Tullahoma, Fayetteville and Winchester. Major Weems said some of the local programs might not have been able to operate without the group’s assistance.

“This is a group of people that had no obligation to go out and provide their time and support and services to these income tax assistance programs,” Major Weems said. “They chose to do that after hours and I think even on weekends ... to make sure that the local population was provided this program but also so that the individuals who are retirees and other folks who didn’t know about the on base program, for whatever reason, had the opportunity to get those services downtown.”

The volunteers participated in a three-day tax preparation training directed by the Internal Revenue Service at the Urban League in Chattanooga, and all passed certification tests at the advanced levels. Tuttle said they were able to put that knowledge to good use.

“There are so many new things,” she said. “We even got retirees who would come in and you would get new things like ‘making work pay,’ first-time homebuyers and new homebuyers credits. They train us in all that, and so we get people who come in here and they don’t know about all those things, whether they could be eligible to itemize, and since we were proficient at itemizing taxes we could help them then or maybe for the next year.”

I think the retirees really appreciated it,” Tuttle said. “I mean, not only did they get their refunds ... but I wanted them to feel comfortable and go over their tax return with them and show that this is what it is and how much you saved ...”

Adams, who assisted the VITA sites in various ways, said she really enjoyed her participation.

“We decided that this was something that was good, that you could always put down as a volunteer on your college application,” she said. “It was exciting; it’s fun to do something like that, especially for the retirees.”

Mohyuddin, who has participated in the program for eight years, said one reason he volunteers is to help low income people avoid paying tax preparation fees charged at commercial sites, but there is also a more personal reason.

“We came to the United States as immigrants,” he said. “Being a tax volunteer is my way of showing gratitude to a country that has been good to us.”

Volunteers were not paid for the time, mileage or tax preparation while volunteering outside of AEDC.

The AEDC VITA is available to all military, retirees, and their dependents. The VITA program off base, under the direction of the IRS, is available for anyone who makes less than \$47,000.

Education fair brings new opportunities to work force

By Andrea Stephens
ATA Public Affairs

AEDC hosted this year’s third annual education fair at the Arnold Lakeside Center (ALC).

Around 100 employees and their families came out to this year’s event and met with representatives from 23 colleges and universities in Tennessee, Alabama and throughout the United States.

Many of the schools that were present provided solutions to the students of where they can go to get financial help, whether it is from assistantships, grants, loans or even scholarships.

“The education fair has allowed many individuals the opportunity to see what college courses and programs are being offered and to personally speak with school representatives one-on-one,” said Dee Wolfe, education training specialist at the Arnold Education Office.

She said the goal is to bring schools to a central location where employees can receive a variety of information. Wolfe said the education fair helps make for a better educated work force.

“Our industry relies on ‘self starters,’” AEDC Commander Col. Michael Panarisi said. “Even as far back as the Wright Brothers, you’ll find an entrepreneurial spirit in aerospace. In this business, if you aren’t always looking for ways to improve your skills, or learn about the latest developments in technology, you will be left behind.”

In 2009, 22 schools were invited to attend the education fair; this year more than 50 schools were invited to be a part of the event. The education fair, which was open to all AEDC employees and their family members, not only benefitted the employees but the community as well, according to Jeannie McFaddin, chief of work force development for the DoD population at AEDC.

McFaddin said the date of the education fair was moved



While attending the third annual AEDC education fair, Suzanne Luthi, head of the tuition assistance program, spoke with a representative from Waldorf College and picked up some reference materials to pass along to employees who were unable to attend. (Photos by Rick Goodfriend)

back this year in order to allow the family members at AEDC to bring in high school juniors and seniors before school starts back.

The education fair is beneficial to the employees of AEDC by helping them become more aware of what programs and schools are available, said Suzanne Luthi, program administrator at ATA’s Tuition Assistance Center.

“Everything is not available online, but when you get to actually meet with a person from that school you feel a connection and that they want to help you get more information than just clicking and going online,” Luthi said.

Wendy Shelton, administrative assistant for Performance Management, said the education fair has made her more aware of the opportunities that are available to include some of her interests: marketing, project management and overall management.

Shelton is currently completing her bachelor’s degree through one of the universities that participated in the education fair and strongly believes that the benefit of continued education will open more doors for everyone in the

future.

Next year, AEDC is hoping to provide the same opportunity to the surrounding areas, such as Manchester, Tullahoma and Winchester. The education fair would reach a much larger population and would greatly benefit the individuals of the community, according to McFaddin.

“I’ve been here three years and this is the third one [education fair] and we’re getting better every year,” McFaddin said.

“I’m extremely proud of our teammates that take on the challenge of higher education,” Colonel Panarisi said. “They are making an investment in themselves, and the nation reaps the benefit.”

Premiere from page 1

The Premiere negotiating team consisted of Janara Frazier, human resources manager; Thomas Maddox, vice president of operations; Alan Isom, vice president of Tennessee operations; Charlie Minor, EM Corporate Services, LLC; Ricky Hattaway, Premiere acting project manager at AEDC; and Martha Otwell, administrative manager at AEDC

Employee believer in seat belts, AEDC “family”

By Shawn Jacobs
ATA Public Affairs

Charles Conry says he is proof that seat belts save lives.

Conry, store keeper at Hazardous Materials for ATA, says the number of fellow AEDC employees who showed up at the hospital or called following his recent automobile accident is also proof that people on base are really like family.

The incident occurred at a busy time, right after the shift change at 3:30 p.m. May 6 on Highway 127, just off of Wattendorf Highway. Conry, who left the base through Gate 2 and another ATA employee, who had exited through the Main Gate, collided at the intersection. Conry's pickup truck rolled over on the driver's side, effectively penning him in the vehicle. Even though the air bags deployed, he credits his seat belt with keeping him from hitting the windshield, inevitably causing more serious injury, possibly even death.

“I remember going forward and I remember that seat belt just stopping me instantly and jerking me back,” Conry said. “Actually, the seat belt is what broke two ribs, but that's

better than going through the windshield.”

AEDC Police reported that the other driver was uninjured in the mishap.

A co-worker, Jody Miller, was directly behind Conry's truck and immediately stopped to help. He yelled for Conry to unlock the truck, which he was eventually able to do.

Conry says he was nearly choking from fumes, possibly emitted from the airbag. Miller climbed up on the truck and opened the passenger side door, which allowed Conry to get some fresh air.

“It's made a believer out of Jody on seat belts,” Conry said. “He'll admit it that he didn't like wearing seat belts, but he said he's worn one ever since. My son is another one who's not good about wearing his seat belt and it's made a believer out of him, too.”

Another AEDC employee and former coworker, Dennis Holt, stopped to help.

He got Conry's wife's cell phone number from Charles and called to tell her of the wreck. Jenny Conry, who is an engineering technician in the Space Threat Assessment Testbed, had also left work for the

day but turned around to come back to the scene.

An off-duty AEDC paramedic, John Pigg, also happened upon the scene. He climbed into the truck and stayed until rescue personnel cut Conry out of the truck. Conry said he wanted to climb out, but Pigg said due to safety procedures he had to be removed through the side.

“He went way beyond the call of duty,” Conry said. “He stayed in there with me while they cut the top of the truck off and cut the windshield out and took me out the side of the truck on a board.”

“I do want to thank all the emergency response, the rescue people, because they did an excellent job, excellent job.”

All of Conry's supervisors, including David Eldridge, Keith Marshall, Paul Ore and Mike Ramsey went to the hospital and stayed until they found out his condition, something that made a deep impact on the man.

“Dave came back into the room and made a statement that's really true,” Conry said. “Before AEDC began emphasizing seat belt usage, I did not always wear them. They made us



Rescue personnel had to extricate Charles Conry from this truck after a recent automobile accident near AEDC. He credits his seat belt with saving his life. (Photo by Jenny Conry)

get in the habit of wearing seat belts, and so now, naturally, it's just a habit to buckle up.

“The base policy has made a habit of wearing seat belts, and I think they definitely save lives, no doubt about it.”

Conry was diagnosed with two broken ribs, a chest bruise and a few other bruises and a minor cut. His injuries kept him out of work for five weeks.

Jenny Conry was also impressed with the outpouring of concern from the base.

“You hear every time somebody retires how this is family,” she said. “The people who showed up at the hospital, coworkers, people calling – it just goes to show it really is, it's family. And another thing amazes me in how quickly – it being quitting time – that they (rescue personnel)

got out the gate and there in three minutes or so. They do an excellent job; I don't think they get enough praise out here.”

Life has returned to normal now for the Conrys, who live on a cattle farm in Summitville. Charles is now back at work. But some things have changed for him and Jenny; both have an even greater appreciation for seat belts and their “family” at AEDC.

Gulf from page 1

all time greatest threats to the United States.”

Smith said his recent experience was rewarding, especially as he fully realized the scope of the disaster.

“I was proud to have an opportunity to use my flying skills one more time to serve our country,” he said. “The mission certainly reminded me of combat, but this time it was combat with difficult camera equipment and numerous air traffic controllers trying to figure out what we were doing.”

Smith commented on the duration of the mission, saying, “Our missions were four and a half hours long and we worked 14 hours each of the nine days we were there. I was glad to get back to work where I could get some rest.”

The purpose of the flights was primarily to conduct surveillance of booms strategically placed to protect the sensitive shoreline.

“The website [maintained by the Deep Water Horizon Unified Command] says that more than 2.7 million feet of boom have been deployed and I flew over a bunch of it,” he recalled. “We were also tasked to spot oil in the water that was threatening to come ashore and alert the command post to deploy clean-up crews.”

“There were many boats in the water supporting the clean up. It looked like the entire gulf-coast fishing fleet had converted to oil clean-up.”

He acknowledged there were challenges with the mission, including using equipment in less-than-ideal conditions that were physically unpleasant.

“I took the pictures myself on a couple of missions and had to overcome a few problems associated with the wind blast from our open cockpit windows,” he explained. “Since the heat index was 105 degrees Fahrenheit at the surface, our 1,000-foot cruising altitude was pretty hot and the wind blast was the only way to stay reasonably comfortable.”

Smith wryly described what it was like after a mission. “It was easy to dehydrate and very difficult to get my



Crewmembers aboard the Coast Guard Cutter Juniper deploy the Shipboard Oil-Recovery System (SORS) (U.S. Coast Guard photo by Petty Officer 3rd Class Colin White)

turn at the clothes washer at the hotel and get the salty sweat out of my T-shirts,” he said. “It was ‘fun’ to fly near the Pensacola Naval Air Station where they train Naval Aviators and the Air Force's Hurlburt Field and Eglin Air Force Base.

“I saw a big C-130 drift by just a few hundred feet above us – a beautiful site,” he continued. “We flew by several banner-tow flights still trying to advertise to the shrinking tourist population gradually being replaced with clean-up crews.”

Smith said coordinating photo surveillance during a flight was another challenge to overcome.

“It was always difficult explaining to the radar controllers what direction we were flying while we maneuvered



Charlie Smith, an ATA senior engineer and mission pilot for the Civil Air Patrol, lines up a photo out of the rear-seat swing window during an oil spill surveillance mission. (Photo provided)

for the necessary camera angles,” he said. “We were able to improve the flying missions by bringing along representatives from other agencies including our customer to show them first-hand what we were up against.”

He said it helped to get the big picture from his perspective, both in the air and as he worked closely with all of the organizations brought together to support the mission.

“I was very impressed by the large Incident Command Post with all of its agencies in the giant rooms,” he said. “I was told that over 800 people staffed the converted convention center and represented interests from many participating agencies, including the Coast Guard, Air Force, National Guard, Minerals Management Service, U.S. Fish and Wildlife Service, and our customer, Geographic Information Systems (GIS) just to name a few; and of course BP who was funding most of the operation.”

Smith mentioned reading about all of the parts of a Unified Command Post during FEMA courses he took as requirements for his Civil Air Patrol qualifications.

“It was amazing to see and be a small part of the real thing,” he said. “There were a lot of people doing everything they could to save our precious gulf coast. I spoke to a native resident and explained that everyone in the Eastern United States had an interest in helping the gulf survive this disaster.”

“Almost everyone looks forward to seeing those beautiful beaches from time to time. The damage had just begun and got worse each day. It's going to be a long haul. Ultimately, it will take the Hand of God to restore this situation. We need to be patient, willing to contribute what we can, and wait for His blessing.”

Exhibit highlights AEDC, NASA cooperation

By Shawn Jacobs
ATA Public Affairs

From the beginnings of the American space program and Project Mercury, to the Apollo moon missions, to the space shuttles and potential future space projects, AEDC and NASA have cooperated to assure the readiness of space vehicles.

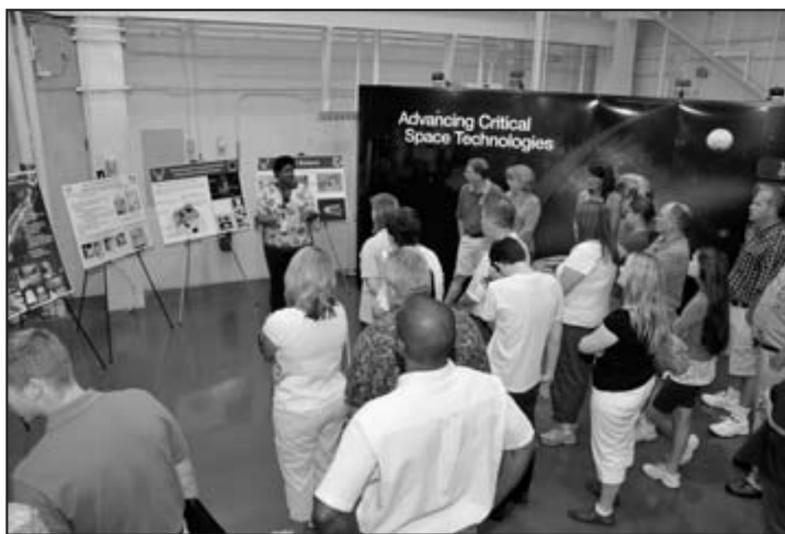
Those collaborative efforts were the subject of an exhibit, "Mission to Mission," presented by AEDC's Junior Force Council, and NASA's Marshall Space Flight Center (MSFC) near Huntsville, Ala. The display ran July 22-29 in AEDC's Mark 1 High Bay space test facility.

Tracy Carter is president of the Junior Force Council, whose mission is to enhance career development and cooperation among the military and civilian sides of AEDC, and served as the point of contact for organizing the exhibit.

"We wanted to showcase how AEDC's mission ties in with other defense and commercial practices or industries in the area ... and [AEDC Executive Director Britt] Mr. Covington made the comment that he would like the JFC to do something with NASA," Carter said. "That got me to thinking. I wanted to show how tests and projects at AEDC are linked to tests and projects at NASA, hence "Mission to Mission."

The exhibit consisted of a 20-by-30 foot display tailored to include NASA's work with the Department of Defense (DoD).

"It was exciting because one particular



Senior Public Affairs Specialist Raquel March explains portions of the NASA exhibit in AEDC's Mark 1 High Bay space test facility to a tour group. (Photo by Rick Goodfriend)

placard does mention us [AEDC] specifically," Carter said. "It focuses on the current mission, which is of course, the Moon/Mars.

To highlight the AEDC/NASA relationship, Carter contacted her counterparts in different test areas and requested displays of projects they had worked on for NASA.

"We've had phenomenal support from the Test Group, Informational International Associates (IIA) Graphics and the IIA Photo Lab in putting these storyboards together."

NASA has tested in every one of AEDC's wind tunnels as well as some of the rocket test cells and chambers, according to Dr. Richard Roberts, project manager in the Propulsion Wind Tunnel Ground Test Complex.

"We've done a variety of tests in the wind tunnels, including force and moment, materials testing, plume simulation, parachute deployment and separation testing,"

he said. "We've been performing wind tunnel tests for NASA since the beginning, starting with Project Mercury in the 1950s when our facility was brand new.

"We've also played a role in the development of Gemini, Apollo, the shuttle and other NASA vehicles," Dr. Roberts said. "We continue to support them today with the most recent tests involving the Constellation Program."

Dr. Roberts said in the recent Facility Aerodynamics Validation and Operations Research (FAVOR) model test series AEDC engineers were able to work with their counterparts at NASA's Ames, Glenn and Langley Research Centers in a cooperative series of wind tunnel tests.

"We tested the same model at each of the facilities and compared processes, procedures and test data in order to share best practices with each another," he said. "We are at a point now

where we can sit down and jointly go over the results. This test series has truly benefitted both NASA and AEDC. Hopefully, further collaboration of this type will continue in the future."

The exhibit was designed for base personnel, but Carter said she would like to open up future exhibits to the community and present them on a much larger scale. She said personnel at MSFC were extremely cooperative in helping arrange the exhibit, despite the fact they are in the middle of their 50th anniversary celebration.

The exhibit was coupled with an excursion to the U.S. Space and Rocket Center near Huntsville to be held Aug. 18. Their new "Constellation" package has activities specifically for adult visitors to the center.

The cost of the trip is \$25 and must be paid by close of business today to Capt. Joseph Byker at 454-5802.

Motorcycles bring AEDC employees, others together



Members of the Tennessee Road Riders are, from left to right, Barry McWhorter, Kathy Ferrell, John and Martha Millner, Kenneth and Carla Wessonner, Mike and Freida Bone, Randy and Kathy McCormick, Bill and Pam Crawford, Terri Bandy, Ronald Bandy and Reba Hunt. (Photo by Cindi Marshall)

By Shawn Jacobs
ATA Public Affairs

AEDC employees are often tight-knit, sometimes even referring to themselves as "family."

It was something else they share, however, that caused a number of them to create their own recreational group.

A passion for motorcycles resulted in the formation of the Tennessee Road Riders, which now includes at least seven current employees, six AEDC retirees and a number of other motorcycle enthusiasts from around the mid-state.

Ronald Bandy, working foreman at the Carpenter Shop and a 37-year employee of AEDC, helped get the club together and is still its "line leader." He said the group actually started on base just through word of mouth and expanded out into the larger community.

"There are probably about 30, I guess, altogether in our group," Bandy said. "They're from everywhere around - Tullahoma, Shelbyville, Winchester, Manchester, Murfreesboro, Lynchburg and points in between.

"We go to rallies, go to eat breakfast, go to the Smokies, just different things. We have a bike night at least once a month where we just get together and have a good time."

And wives are not just included but are full-fledged members of the Tennessee Road Riders.

"Some of them ride with their husbands, and some of them have their own bikes," he said.

Getting to spend some quality time with his wife is just one of the reasons Paint Shop employee Bill Crawford enjoys the activity.

"We like to sight-see," he said. "My wife works in an office ... doesn't get out much, so she really likes to bike as much or more than I do. She doesn't ride her own bike.

"She rides behind me; she trusts me a little more than she should I guess," Crawford joked. "It gives us time to get away from the house and spend time together."

See ROAD RIDERS, page 13

'Engineers as educators' workshop



The American Institute of Aeronautics and Astronautics (AIAA) held an Engineers as Educators Workshop July 28 at AEDC with all engineers and scientists center-wide invited to attend.

The goal was to prepare scientists to work with students and inspire them to learn more about aerospace and the work of an engineer.

Above, in the foreground, Rick Gamble, manager of the Space and Missiles Branch of the Integrated Test and Evaluation Department, constructs a rocket from a straw.

At right, Greg Burt, space group lead, Space and Missiles, fires his rocket. The engineers had 10 minutes to design a rocket. (Photos by Rick Goodfriend)

of troops with their weapons at the ready or passing out candy to children in remote villages.

Not many people see those in limbo - the ones who live after sustaining serious injuries in defense of our country. They are certainly not forgotten, and they don't go unnoticed. As I saw amputees walking or wheeling themselves around in the halls, or the young troops who keep the ICUs full at all times, I realized these heroes are all versions of my brother, my hero, the young Soldier who wanted to serve his country and ended up with a ball bearing in his spine. They all have families who care, units who pulled together to see them through, lives they've impacted and a country that thanks them for their sacrifices.

Ian was a soldier to the core, even when we were kids. Every Halloween, he wanted to wear camouflage. He "bled green" from the day he was born at the U.S. Army Hospital at Wurzburg, Germany, while our father served in the 123rd Signal Battalion, 3rd Infantry Division in 1985.

He "bled green" until the day he took shrapnel to the back of the neck and rolled out of the back of his Stryker.

Then he just bled.

Ian currently sits in the Veterans Affairs Spinal Cord Injury Center in Minneapolis, constantly surrounded by friends and family. His positivity is a reminder to everyone who knows him that life is worth living; life is bigger than the problems we face at the moment.

He smiles and laughs every day. He says "please" and "thank you" when asking for medication. He knows he is blessed to be alive, and the nurses and doctors are consistently

blown away by his progress.

The doctors say he will never walk again. Ian feels differently. His faith and stubbornness have already taken him past what the doctors told him he would be capable of.

People like Ian are reasons to make life worth living, to live a life worth the sacrifices of those who serve.

There are little things we do every day that my brother can't do: scratching his face, clearing his throat, speaking out loud. My brother is one of thousands of men and women who protected our freedoms. He spent his career saving the lives of others. Now he is on the other end of the spectrum.

I urge servicemembers to keep in mind what it means

to wear our uniform, the uniform so many Soldiers and Airmen may never be able to put back on because of their sacrifices.

Make them and our nation proud by the way we conduct ourselves in uniform and remember what an honor it is to put it on every morning.

And remember, when you step foot in the war zone, anything can happen. You may never be prepared for what you may face, but if you ever have to see the horrors of war, face them with honor.

I thought I was ready for war. Now I have to prepare for a fight of a different kind: the fight to help my brother live his life.

He has certainly taught me how to live mine.

Integrity from page 2

associated with them. Once you have lost the trust of those around you, you may never gain it back.

Additionally, there is always the "man in the mirror" who will be looking at you every day knowing the true story. I need to be able to count on the honesty and integrity of those around me as they require the same of me. Otherwise, we are merely fooling ourselves and destined to fail.

I have been extremely lucky throughout the course of my career to work with some absolutely incredible people. I have witnessed way more good examples of integrity than bad, as we are held to a higher moral and ethical standard than our civilian counterparts ... and we should be. We should never sacrifice our own standards or integrity because "everyone else is doing it." We should be setting the example and making those around us better.

Maria Razumich-Zec said, "Your reputation and integrity are everything. Follow through on what you say you're going to do. Your credibility can only be built over time, and it is built from the history of your words and actions."

As your integrity and reputation are built over time, they can also be destroyed in an instance of weakness. Never allow this to happen. It always takes less time to do the right thing, then to have to explain why you chose to do it wrong.

Finally, I leave you with a quote I found by Francis Bacon Sr. whose meaning is really quite simple ... with integrity you are judged on your actions, not simply your words: "It's not what we eat, but what we digest that makes us strong; not what we gain but what we save that makes us rich; not what we read but what we remember that makes us learned; and not what we profess, but what we practice that gives us integrity."

ATA and GP engineers attend UTSI process piping seminar



Engineers from both GP and ATA completed a four-day process piping design course hosted by UTSI. In the photo are back row, from left to right: Ben Holton, Phillip Krepp, Taylor Bryan, Chris Dornon, Robert Reed, Zachary Tucker, Marshall Polk, Albertine Mihigo, Scott Wieland, Matt Stiggins, Dustin Boss, Brandon Allen. Front row kneeling from left to right: Michael Malloy, Jacob Cashion, Jeff Sapach, Michael Holland, Brad Townsend, Michael Wilson, Seth Knight, Brandon Dorman, Charles Jenkins. Not pictured are David Lynn, Chris Gernaat and Josh Scott. (Photo by Kenneth Housch)

By Shawn Jacobs
ATA Public Affairs

The University of Tennessee Space Institute hosted 24 ATA and General Physics Corp. (GP) engineers for a rigorous four-day course last month.

The American Society of Mechanical Engineers (ASME) course, “B31.3 Process Piping Design,” is a section of the B31 code for pressure piping. During the class, engineers were exposed to the code through lectures, engineering problems, group discussions and real world piping failures, according to Charles A. Jenkins, a staff mechanical engineer for GP.

“Since the early 1950s, AEDC’s engineers have designed, modified and maintained the hundreds of miles of piping here at the base,” Jenkins said. “Proper design, installation and maintenance are critical to meeting AEDC’s mission of ‘ensuring AEDC test facilities, technologies and knowledge fully support today’s and tomorrow’s customers.’”

Each component in the system was designed with a purpose that must withstand extreme internal and external loads, such as gravity, pressure, vibration and temperature while transporting many types of fluids.

“These components

must be properly maintained to ensure the predicted life-span is met.” Jenkins said. “AEDC’s pressure piping standard ... states that all piping be designed ... inspected and tested with the latest issue of the ASME code for piping. Therefore, knowledge of the piping code is imperative for engineers who design and maintain AEDC’s complex piping systems.”

“Having this type of technical training jointly between engineers from GP and ATA is a great opportunity to build

working relationships with fellow engineers. Being able to discuss past engineering experiences and developing communication networks allow for a good flow of knowledge as engineers gain experience using the B31.3 process piping code.”

The class was taught by renowned instructor Glyn E. Woods, P.E., who has instructed classes all over the world. Woods is an ASME Fellow who has spent many years on the B31.3 Process Piping Code Committee.

ATA Overall Team Member of the Quarter

The Overall ATA Team Member of the Quarter is Brent Seay. Seay provides pest control service for AEDC facilities, food services, family housing, Wingo Inn and base grounds from the Coffee Co. landfill to Woods Reservoir and from I-24 to Tullahoma. He handles a wide range of pest issues from mosquitoes to skunks and from snakes to stray dogs. He must also comply with state and federal regulations regarding the use and storage of pesticides. He is continually monitored and inspected by various state and federal agencies including internal and external ECAMP teams, Logistics Standardization Evaluation Team, IG, Air Force Staff Assistant, Tennessee Department of Health and Tennessee Department of Environment and Conservation. His record is impeccable; consistent zero negative findings and several noted positive Best Management Practices.



Seay

Overall Craft Member of the Quarter

The Overall Craft Member of the Quarter is Mickey McNeese. McNeese provides critical repair and maintenance support to basewide HVAC systems on second shift in addition to overseeing the overall base support functions of second shift pipefitters and HVAC. With 31 years of AEDC HVAC systems experience, he plays a key role in ATA's ability to keep critical systems operating. He responds to calls for test-related control rooms, the commander's conference room, cafeteria coolers, Wingo Inn and family housing. He sees a job through to successful completion, ensuring the work is performed correctly and the customers are satisfied. Often he will come or call in on his off-time to ensure a problem has been resolved completely and to follow up with customers. His expertise and self-motivated personal interest provides cost saving repairs and maintenance on the systems.



McNeese



Erin Robinson
Team Member
Facilities Operations & Maintenance

Robinson, building systems engineer, was recognized for working closely with the Safety Office to identify and correct any safety issues associated with the more than 350 roofs and building structures at AEDC.



Terry Prince
Team Member
Information Technology & Systems

Prince, AEDC communications duct system manager, was recognized for developing a plan to restore a duct to a servicable condition and achieved success, representing a cost avoidance of \$29,912.



Don Bailey
Team Member
Information Technology & Systems

Bailey, information technologist, was recognized for his design and development of multiple Barcode systems has eliminated numerous hours of manual labor required for online entry into the CMMS.



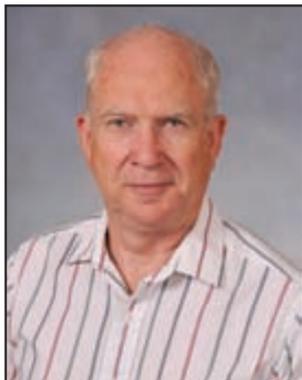
Denny Elston
Team Member
Integrated Test & Evaluation

Elston, test/analysis project engineer, was recognized for demonstrating exceptional technical persistence and focus to ensure test data quality, data uncertainty analysis and reporting are maintained at the highest quality.



Nick Fredrick
Team Member
Integrated Test & Evaluation

Fredrick, analysis engineer, was recognized for his work as team lead for J-1, supporting four major turbine engine test programs: F101 SLEP qualification, F119 FX621 augmentor, F110 and F100 alternate fuels.



William (Bill) Myers
Team Member
Investments

Myers, electrical technical lead for the VKF/4-T modernization project was recognized for his ingenuity, continual innovative thinking and perpetual drive to accomplish tasks in an efficient manner.



Rick Montgomery
Team Member
Performance Management

Montgomery, technical specialist, was recognized for his cross-department and cross-functional team performance in collaboration with multiple personnel performing the purchasing and receiving function in RP.



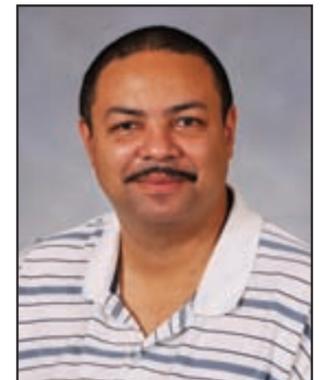
Teresa (Teri) Black
Team Member
Resource Provisioning

Black, administrative professional, was recognized for conducting an independent global review of all training courses. Her efforts resulted in a reduction of 6,000 hours and \$318,000 in training cost savings.



Carey Rose
Craft Team Member
Integrated Test & Evaluation

Rose, lead instrumentation technician, was recognized for his attention to detail. He ensures all instruments, channels and associated equipment at J-6 are working to the very highest degree of accuracy possible.



Harold Turrentine
Craft Team Member
Integrated Test & Evaluation

Turrentine, instrumentation technician, was recognized as the "go-to" man for all instrumentation needs within ELA and Chambers, servicing and maintaining equipment in a clean room environment.



Don Counts
Craft Team Member
Resource Provisioning

Counts, heavy equipment mechanic, was recognized for demonstrated leadership and initiative and continued to drive improved performance in the management and maintenance of the AEDC special purpose fleet.



Dwayne Strickland
Craft Team Member
Facilities Op & Maintenance

Strickland, outside machinist, was recognized for his understanding of plant equipment. He uses this knowledge with a strong understanding of maintenance practices, both preventive and repair.



Tony Rollins
Customer Service – Internal
Safety & Health

Rollins was recognized for outstanding service in the delivery of hands-on training in the use of Public Access Defibrillators and CPR methods, resulting in confident operators spread across the center able to save a life.



Mia Wilkerson
Customer Service – Internal
Information Technology & Systems

Wilkerson was recognized for her personal willingness, kindness, and effectiveness in helping AEDC's users of eMatrix, responding to urgent needs, patiently explaining and helping users.



Mark Brandon
Customer Service – External
Integrated Test & Evaluation

Brandon was recognized for outstanding customer service as the project manager on the successful flight test validation of the Towed Airborne Plume Simulator (TAPS) burner system.



Justin McLellan
Customer Service – External
NFAC

McLellan was recognized for excellence in his role as the Test Director of the NASA/Army UH-60 Airloads test in NFAC.

Congratulations to all of the Quarterly Award Winners



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

Government



1st Lt. Jason Lackey
Company Grade Officer

Lieutenant Lackey, fabrications and laboratories project manager, was recognized for correcting two Chem Lab single-point failures, being a stellar budget manager and directing the F-16 dedication.



Airman 1st Class Tara Kindermann
Airman

Airman Kindermann, financial services technician, was recognized for quickly learning and mastering travel pay processes upon reassignment to FSO, expertly auditing 58 non-DTS TDY travel vouchers submitted to Air Force Financial Service Center.



Master Sgt. Donna J. Paredez
Senior Non-Commissioned Officer-in-Charge

Sergeant Paredez, quality assurance superintendent, was recognized for scrutinizing 293 lost test hours, reviewing failure causes, and partnering with schedulers to identify 52 deviation causes – test unit availability now 6 percent above the Air Force goal.



Tech. Sgt. Jamie Johnson
Non-Commissioned Officer-in-Charge

Sergeant Johnson, NCOIC PMEL Laboratory, was recognized for promoting customer visits, ensuring PMEL meets customer expectations and identifying a need for an alternative pressure block mounting system, saving more than \$10,000.



Airman 1st Class Eric Ball
Honor Guard Member

Airman Ball, financial services technician, distinguished himself by outstanding performance in the annual Country Music Festival Parade, a change of command and a retirement ceremony.



Sean Smith
Civilian of the Quarter
Scientist/Engineer

Smith, an engineer, was recognized for being a top performer and the backbone of the then 717 Test Squadron and carrying double load scheduling and managing his ongoing test programs.



Autumn Standley
Civilian of the Quarter
Administrative

Standley, casualty assistance/family support center representative, was recognized for her efforts in assisting widows and family members by submitting applications for benefits immediately with no errors and no complaints resulting in these families receiving their benefits quickly.



Andrea McElroy
Civilian of the Quarter
Clerical/Technical Support

McElroy, administrative support assistant, was recognized for diligently and capably learning the many aspects of in-processing newcomers to AEDC and the federal government and administering the Contractor Verification System.



Jacky Payne
NAF Category 1

Payne, a tractor operator, was recognized for carrying a two-man workload and maintaining all of the work as if he were a two-man crew.

Congratulations to all the Quarterly Award Winners

Core Values

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

Link earns safety achievement award

Jim Link is the winner of the Safety Achievement Award. Link, an engineer/scientist in the Investments Department, was recognized for his innovative design of a new 480-volt switchgear installation which will provide intrinsic arc flash hazard protection for maintenance and operation personnel. When given the task of designing replacement switchgear for the Engine Test Facility (ETF), Link recognized that mitigating the risk of arc flash would be one the most challenging aspects of the design. He contacted three major manufacturers for the 480-volt switchgear and arranged for them to bring experts to AEDC to discuss the applications of the products. He



AEDC Vice Commander Col. Eugene Mittuch presents Jim Link (right) with the Safety Achievement Award. (Photo by Rick Goodfriend)

brought AEDC operations and maintenance personnel to these meeting with the manufactures' experts to help evaluate how the technologies could be best applied at AEDC. Following the meetings, he developed a design for the ETF switchgear. He then held additional meetings with AEDC's operations and maintenance personnel to ensure that the final design will provide all of the needed safety features.

Obituaries

Dr. John Leith Potter, a 1993 AEDC Fellow, of Homewood, Ala., passed away July 20. A native of Missouri, he was a resident of Nashville for more than 20 years prior to moving to Homewood in 2002.

Dr. Potter was a graduate of the University of Alabama at Tuscaloosa where he earned a Bachelor of Science and Master of Science in aeronautical engineering and Vanderbilt University where he earned a Master of Science degree engineering management and doctorate degree in mechanical engineering. His academic and professional memberships included Tau Beta Pi, Theta Tau, Sigma Gamma Tau, Pi Tau Sigma, Capstone Engineering Society, Sigma XI, the American Institute of Aeronautics and Astronautics (AIAA). He was also a registered professional engineer.

Dr. Potter made various contributions to the analysis of test results, techniques of testing and facility design during his 27 years at AEDC.

The foremost of these is his internationally recognized role in designing and using the unique Tunnel L facility in the 1960s. Beginning in 1960, Dr. Potter was a pioneering investigator in the aerodynamics of hypersonic vehicles in rarefied flows.

Tunnel L was the best known and most productive wind tunnel of its type. When the Air Force's interest in the Manned Orbiting Laboratory and aerospace planes terminated, support from the tunnel was curtailed. However, fundamental research and development testing on

early satellites and re-entry bodies that could not be done anywhere else were accomplished at AEDC before support was curtailed.

His professional career began with work on propeller performance and continued through jet fighters, rockets and spacecraft and test facility design. Although Dr. Potter worked in various areas of his profession, he was internationally renowned as a pioneering investigator in the aerodynamics of hypersonic vehicles in rarefied flows and boundary layer transition. The chief designer of a unique, highly successful wind tunnel for studies of rarefied hypersonic flow, he was invited to give the review lecture on transitional rarefied flow at the 5th International Symposium on Rarefied Gas Dynamics at Oxford, England, in 1966, and to present a lecture series as a guest of the Academy of Sciences of the U.S.S.R. in 1967. Dr. Potter also directed the group that pioneered the successful use of aeroballistics ranges for missile nose cone ablation and erosion testing, and the later use of gun-launched, track-guided models for these purposes.

Dr. Potter was also a pioneer in the field of boundary layer transition. In the early 1950s, he was the first to appreciate the significance of the unit Reynolds number in the boundary layer transition process.

Recognition of the problem created by this phenomenon has enabled wind tunnel and flight test engineers to better understand their data.

See **POTTER**, page 13

Milestones

35 YEARS

John Jordan, ATA
George Kiber, ATA
Joe Mason, ATA

30 YEARS

Vanda Arnold, ATA
Jeannie Bowden, ATA
Mark Chappell, ATA
Thomas Coker, ATA
Alan Fudge, AF
Dale Jones, ATA
Norman Parsons, ATA
Thomas Richardson, ATA
Timothy White, ATA

25 YEARS

Laverne Cox, ATA
Alecia Davis, ATA
Dennis Eggert, ATA
Janet Feller, ATA
Mickey Gibson, ATA
Robert Hall, ATA
Frank Hayworth Jr., ATA
Jeffrey Henderson, ATA
Rita Perry, ATA
Cheryl Posey, ATA
William Scott, ATA
Doyle Shettleworth, ATA
Richard Vincent, ATA
D. R. Whitfield, ATA

Angela Young, ATA

20 YEARS

Walter Cook, ATA
William DiNatale, ATA
David Ferrell, ATA
Michael Williams, ATA
Jorge Moreno, ATA
Leo Marple Jr., ATA
William Sudberry, ATA
Mitchell Turrentine, ATA

15 YEARS

Brian Baggett, ATA
Jerry Bailey II, ATA
William Burnette, Jr., ATA
Joane Cassidy, ATA
Nelson Crouch, ATA
Jason Daugherty, ATA
Angelia Garrard, ATA
Shannon Medley, ATA
Larry Underwood, ATA
Mickey West, ATA

10 YEARS

Laura Bobo, ATA
Amber Bowen, ATA
Thomas Carpenter, ATA
James Cashion, ATA
John Finke, ATA
James Harmon, FRC

Robert Hickey, ATA
Deborah Myers, ATA
Edward Sexton, ATA

5 YEARS

Robert Bradford, ATA
Christopher Bunch, ATA
Donald Carroll, ATA
Alvin Cleek, ATA
Keena Cornelius, ATA
Nathan Crocker, ATA
Michael Dingwall, ATA
Billy Farless, ATA
Nickolas Galyen, ATA
Stephen Grant, ATA
James Harding, ATA
Michael Key, ATA
Matthew Lowery, ATA
Kip Luttrell, ATA
Brad McClure, ATA
Scott Mullins, ATA
Jack Murdock Jr., ATA
Nathan Payne, ATA
James Potter Jr., ATA
Charles Powers, ATA
James Presswood, ATA
Erin Robinson, ATA
Sharon Vance, ATA
David Wetzell, ATA
George Wyckoff, ATA
George Vandagriff, ATA

INBOUND MILITARY

MSgt. George Allen
Capt. Ryan Anderson
Col. William Bailey
Col. Kim Brooks
Capt. Garrett Bruening
Lt. Col. Leland Davis
Maj. Scott Dubsy
Lt. Col. Regina Goff

OUTBOUND MILITARY

Capt. Thomas Finley
Lt. Col. Saroya Follender

RETIREMENTS

Fuffy Bearden, IIA,
29 years
Jimmy Bradford, ATA,
35 years

NEW HIRES

John Claybrook, AF
Stephen Maccarino, AF
William Mallory, AF
Jimmy Steele, AF

GRADUATE / DEGREES

Nichol Northcutt, ATA;
Associates

Mission Support Division 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 p.m., Movie Night Thursday 6 p.m.

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

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

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

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

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

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

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

Arnold Golf Course 454-7076

Mulligan's Grill at Arnold Golf Course undergoing major renovation.

This project includes new counters that will extend across the room and include an order station and pickup 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. Mulligan's Grill will now be a "Proud to Serve" member of the Starbucks brand. Mulligan's Grill will remain open during these improvements however, due to the magnitude of the renovation, menu selections will be limited. Dining will be available inside and on the patio during this 60–90 day project. A grand reopening with ribbon cutting will be scheduled upon completion of this improvement project.

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

Club Championship set for Aug. 21–22 begins with an 8 a.m. shotgun. Cost is \$40 and includes lunch. Deadline to sign up is Aug. 18.

Arnold Lakeside Center 454-3350

The Ultimate Fighting Championship returns August 7 and fight fans will be treated to a world championship showdown between middleweight title holder and pound for pound king Anderson "The Spider" Silva and number one challenger Chael Sonnen. Silva has dominated the 185-pound division since 2006, but in Sonnen, he may be meeting the one man with the style and determination to unseat him from the throne. The ALC dinner special will be Feta and Onion New York Strip, \$13.95 for members and \$14.95 for non members served from 5–9 p.m. Fight Night specials are 25 cent wings and half priced pizzas from 8:30 p.m. until the fight is over.

The next sessions of Arnold Lakeside Center **Dance Classes** will begin Aug. 11. The session includes seven weeks of instruction on Wednesday nights ending with a dinner dance event Sept. 29. Instruction is scheduled 6:30–7:30 p.m. with supervised

practice 7:30–8:30 p.m. Cost for the all inclusive class (seven weeks of instruction and dinner dance event) is \$58 per person for members and \$60 for non members. Full payment is required in advance to participate in the class and refunds or prorated fees are not applicable for missed classes. The class is taught by Denny Lennon and/or Amanda Robinson with Chattanooga Dance Sport. Call to sign up and remember to wear comfortable clothing and shoes.

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

Movie nights are every Thursday with a movie start time of 6 p.m. and dinner available from the Express or Pizza menus from 5–9 p.m. (5–8 p.m. as of Aug. 1). The schedule for August is: **Aug. 12** – "Furry Vengeance," rated PG starring Brendan Fraser and Brooke Shields. In the Oregon wilderness, a real estate developer's new housing subdivision faces a unique group of protesters, local woodland creatures who don't want their homes disturbed. **Aug. 19** – "Marmaduke," rated PG starring voices of Owen Wilson and Emma Stone. A suburban family moves to a new neighborhood with their large yet lovable Great Dane, who has a tendency to wreak havoc in his own oblivious way. **Aug. 26** – "Prince of Persia: Sands of Time," rated PG–13 starring Jake Gyllenhaal and Gemma Arterton. A young fugitive prince and princess must stop a villain who unknowingly threatens to destroy the world with a special dagger that enables the magic sand inside to reverse time.

Friday night dining room specials available from 5–9 p.m. (4–9 p.m. as of Aug. 1). **Aug. 6** : Angel Chicken Pasta, \$9.95 members, \$10.95 non members. First Friday Jam night will be held 6–9 p.m. **Aug. 13**: Cook Your Own Steak, \$13.95 for members, \$14.95 for non members. **Aug. 20**: Chicken Wellington, \$10.95 members, \$11.95 non members. **Aug. 27**: 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: Aug. 7: Feta and Onion New York Strip, \$13.95 members, \$14.95 non members. UFC Fight Night specials: 25 cents wings and half priced pizzas 8:30 p.m. until fight is over. **Aug. 14, 21 and 28:** 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.

Family Member/Youth Programs (FamY) 454-3227

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

Join the Youth Center for **4-H Club meeting** August 26 from 5–6 p.m. 4-H Club is designed for youth in the 4th grade through 18 years of age.

Fitness Center 454-6440

Mountain Bike Challenge is coming Aug. 18. The first twenty to complete a 10-mile trail ride will receive a prize. This challenge may be completed anytime during regular hours.

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 has a **new parent and tot workout and play area** designed for ages 9 months to 7 years (maximum weight 150 lbs.) for use while their parent is working out in this section.

The area was created to accommodate parents with small children who wish to stay in shape despite their busy schedules. Due to the nature of what the Fitness Center does, the main workout area is unsafe for children. The tot area is located upstairs and for safety reasons is only available for use when classes are not being conducted. Classes are held Monday, Tuesday and Thursday for cycling from 11 a.m.–12 p.m. and Tuesday and Thursday for Zumba from 4:15–5:15 p.m. During these times the tot area is off limits. The tot area is available during any other regular operating hours but is not monitored by Fitness Center staff. It is the parent's responsibility to remain in direct supervision of their children at all times. Workout equipment for parents to use while supervising their children includes a recumbent bike, elliptical, elastic bands and more. There are four pieces of child sized fitness equipment, a picnic table and several other items to keep children entertained. A television, VCR and DVD player are in the area so you can bring your child's favorites to watch. The same eligibility requirements apply to this area as the main fitness center. The Fitness Center is open Monday–Friday 5 a.m.–9 p.m., Saturday 8 a.m.–4 p.m. and Sunday 12–5 p.m. Holidays vary. For inquiries, please contact the Fitness Center staff at 454-6440.

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 suspended until September due to high heat.

Outdoor Rec has exciting trips coming up. Aug. 14 will be to the **Ocoee River for rafting** down Class III and IV whitewater rapids on the middle Ocoee. This section is a 5-mile stretch that takes you through rapids such as Grumpy's, 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 Aug. 6. A late registration fee of \$5 will be applied after that date and a \$5 cancellation fee will be charged after Aug. 11. There must be a minimum of twelve participants to go and maximum capacity is twenty-four. 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. The trained staff takes great pride in its ability to provide guests with an action-packed, fun-filled adventure.

The final adventure of the month will take place on Aug. 28. Who is daring enough to jump out of a perfectly good airplane? Tennessee **Skydiving** of Tullahoma is ready to make your dreams of flying a reality. This adventure will be a tandem jump from approximately 14,000 feet. After just a few minutes of instruction you are ready

for a sixty second freefall while attached securely to one of their certified tandem masters. The cost is \$215 and is for ages 16 and older. Ages 16 and 17 must have written parental consent. Meet at Outdoor Rec at 10 a.m. Finish time will depend on the number of participants. There must be a minimum of three to go and no more than thirteen. Sign up by Aug. 19. A late registration fee of \$15 will be applied after Aug. 20. Cancellation after Aug. 26 will be nonrefundable.

Call Outdoor Rec at 454-6084 for questions about any of these trips.

Upcoming Events:

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

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

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.

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

SNACK BAR



NOW OPEN

at the GLC deck

10 am - 4 pm Saturday & Sunday

Potter from page 11

Among his other contributions in this field are his work on thermo-molecular flow effects on pressures measured by means of surface orifices, the accurate measurements of aerodynamic forces and heating rates on lifting bodies at very high simulated altitudes, the design of a series of contoured wind tunnel

nozzles giving highly uniform hypersonic, low density flows and methods for predicting aerodynamics of bodies in rarefied flows.

Dr. Potter directed the AEDC group that pioneered the successful use of aeroballistics ranges for nose cone ablation and erosion testing and the later use of gun-launched,

track guided models for these purposes. This made a large contribution to development of U.S. strategic missiles and established AEDC's G-Range as the premier aeroballistics range in the world.

Dr. Potter was named to the board of directors of the Capstone Engineering Society of the University

of Alabama in the 1970s, while serving as an honorary adjunct professor in the college of engineering of the university.

In 1982, he became an engineering consultant and Research Professor of Mechanical Engineering at Vanderbilt University and Research Professor Emeritus at Vanderbilt in 1992. He continued to teach part-time and carry on research at Vanderbilt until he moved to Homewood.

Among other honors and professional recognition, Dr. Potter was elected a Fellow of AIAA, a University of Alabama College of Engineering 150th Anniversary Distinguished Engineering Fellow, a University of Alabama Aerospace Engineering Outstanding Fellow, and he received the first General H. H. Arnold Award of the Tennessee Section of AIAA. Dr. Potter was listed in Who's Who, American Men of Science,

Who's Who in Engineering and the Dictionary of International Biography.

For many years, Dr. Potter was a member of the national Engineering Accreditation Commission and led teams to evaluate engineering programs in a number of universities including MIT, Stanford and Cal Tech.

Throughout his career, he taught graduate and undergraduate engineering courses at various universities, either in a full-time or part-time capacity. In that role, he was involved in the beginnings of two new institutions, The University of Alabama in Huntsville and The University of Tennessee Space Institute.

Outside of his profession, he enjoyed his family and participated in many activities including instructing Civil Air Patrol classes, serving as president of an AAU age-group competitive swim club and

as member of the board of directors of the Southeastern Amateur Athletic Union. He served as chairman of the Coffee County Historical Society board of directors. He was past president of the Tennessee Region of the Sports Car Club of America and first president of the Huntsville, Ala., Twickenham Automobile Club.

A tennis enthusiast, he enjoyed competing in local leagues.

The only child of the late Jay Francis and Pearl Leeth Potter of Nevada, Mo., Dr. Potter is survived by his wife of 53 years, Dorothy Williams Potter, one son, Stephen Leith Potter (Billi Sue); two daughters, Anne Frost (Ms.) and Carol Cahill (Branan); grandchildren, Bethany Barber, Benjamin Morgan, Daniel Knapp, Kassiah Potter, Amelia Potter, Shelby Cahill, and one step-grandchild Hope Cahill.

Road Riders from page 5

On weekends, we'll ride sometimes between 200-300 miles in a day's time."

In addition to Bandy and Crawford, current AEDC employees in the club include David Crocker, truck

driver; husband and wife Robert Gray, instrument technician and Jane Gray, technical specialist; Barry McWhorter, working foreman on the crane crew at the Model Shop; and Dean Shoemaker, ironworker, installation and maintenance crew.

AEDC retirees who ride with the group include Charlie Bailey, machinist; Kenny Cooper, Safety and Health Group; Johnny Crow, painter; Butch Partin, supervisor machinist; Sally Partin, warehouse buyer; and Ernie Sander, truck driver. Jimmy Lee Smith, who was a fuel trucker, now deceased, also rode with the group.

The Tennessee Road Riders try to take one big ride each year.

"[We went to] Oklahoma about three years ago," Bandy said. "We've been to West Virginia, North Carolina, South Carolina, Florida, Alabama, Texas and Louisiana. Last year some of us went to Washington, Wyoming, up into Canada, all the way down the coast, to Yosemite, Texas, Nevada and back home, about 8,000 miles. We were gone 26 days."

The group does not have any big rides planned soon because Bandy said it is almost too hot to ride right now.

"Probably around the end of October we'll ride to the Smokies and around to see the leaves when it cools off," he said. "I think some of us are going to Bike Week in Daytona in October."

"I have been planning a big trip for next year, going on up to Maine and around," Bandy said. "[I] don't know how many

people will be able to go yet. We haven't even really discussed it, but I've about got it mapped out, about a 6,000 mile ride."

Not everyone in the group, of course, is able to make every ride.

"It's whoever can make it that week," Crawford said. "Ronald's wife will e-mail that we're going to meet at a certain place and time. If you can be there, fine, if not you can hopefully make the next one."

Just like at AEDC, safety is always a major concern for the Road Riders. They always have their lights on and always have a leader, according to Crawford.

"There's usually somebody bringing up the tail," he said. "We try to ride in formation. Cars might not see one motorcycle, but if you've got eight or 10, they see them a lot better."

"As a whole, people [other motorists] are real courteous to us. We do have CBs (citizens band radios) and intercom systems where we can communicate with each other. We stop pretty often if anybody wants to take a break or stretch."

Everyone in the club rides a Harley-Davidson motorcycle, but Bandy said anyone with a motorcycle is welcome to ride and that they are always looking for new members. Those wanting more information can e-mail Bandy's wife, Terri, at tbandy@cafes.net.

The Tennessee Road Riders call themselves a motorcycle club, but Bandy does not get offended if someone calls them a "gang."

"Yes, we've been call a lot of things," he said.



This photo of the Tennessee Road Riders is from their 2008 Oklahoma ride. Pictured front to back: Ronald Bandy, Terri Bandy, Reba Hunt, Bill and Pam Crawford, Randy and Kathy McCormick, John and Martha Milner, Barry McWhorter and Kathy Ferrell. (Photo by Mike and Frieda Bone.)



Tennessee's Sales Tax Holiday

www.tntaxholiday.com
Sales Tax Holidays begin on the first Friday in August each year at 12:01 a.m. and end at 11:59 p.m. the following Sunday.

Clothing (\$100 or less) Tax-Free Items Include:

- | | | |
|---|---|--|
| <ul style="list-style-type: none"> • Belts • Caps • Coats • Dresses • Gloves • Hats | <ul style="list-style-type: none"> • Hosiery • Jackets • Jeans • Neckties • Pants • Scarves | <ul style="list-style-type: none"> • School Uniforms • Shirts • Shoes • Socks • Sneakers • Underwear |
|---|---|--|

Items Subject to Sales Tax Include **Clothing Accessories:** Belt Buckles (sold separately), Briefcases, Cosmetics, Hair Notions, Handbags, Jewelry, Patches and Emblems (sold separately), Sewing Equipment and Supplies, Sewing Materials, Sunglasses, Umbrellas, Wallets, and Watches. **Protective Equipment:** Breathing Masks, Face Shields, Hard Hats, Hearing Protectors, Helmets, Paint or Dust Respirators, Protective Gloves and Welder's Gloves, Safety Glasses and Goggles, and Tool Belts. **Sports or Recreational Equipment:** Ballet or Tap Shoes, Cleated or Spiked Athletic Shoes, Gloves (Baseball, Boxing, Golf), Goggles, Hand and Elbow Guards, Life Preservers and Vests, Mouth Guards, Roller and Ice Skates, Shin Guards, Shoulder Pads, Ski Boots, and Wet Suits and Fins.

School & Art Supplies (\$100 or less) Tax-Free Items Include:

- | | | |
|--|--|--|
| School Art Supplies <ul style="list-style-type: none"> • Binders • Book Bags/Backpacks • Calculators • Chalk • Crayons • Erasers • Folders • Glue | <ul style="list-style-type: none"> • Lunch Boxes • Notebooks • Paper • Pens • Pencils • Rulers • Scissors • Tape | School Art Supplies <ul style="list-style-type: none"> • Clay and Glazes • Paints • Paintbrushes • Sketch and Drawing Pads • Watercolors |
|--|--|--|

Items Subject to Sales Tax Include **School Computer Supplies:** Compact Disks, Computer Printers, Computer Storage Media, Diskettes, Handheld Electronic Schedulers, Personal Digital Assistants, and Printer Supplies including Paper and Ink. **Note:** Textbooks and Workbooks are always exempt from sales tax.

Computers (\$1,500 or less) Tax-Free Items Include:

- Computers with a purchase price of \$1,500 or less, not for use in a trade or business, are exempt from sales tax.
- A computer is a central processing unit (CPU) that includes a monitor, keyboard, mouse, speakers, cables to connect components, and preloaded software.

Items Subject to Sales Tax Include **Computer parts:** Monitors, Keyboards, Speakers, and Scanners when not sold in conjunction with a CPU. **Individually purchased Software,** or other software not part of a preloaded software package on the initial purchase of a computer. **Storage Media:** such as Diskettes and Compact disks. **Handheld Electronic Schedulers, Personal Digital Assistants (PDAs) and Video Game Consoles, Computer Printers, and Printer Supplies including Paper and Ink.**

For more information, please contact the Tennessee Department of Revenue.

Online: www.tntaxholiday.com or www.TN.gov/Revenue

E-mail: salestax.holiday@TN.gov

Telephone: (800) 342-1003, Monday - Friday, 7 a.m. - 5 p.m., Central Time