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

This year, AEDC is implementing a small part of its Total Quality Management program in 2005, AEDC’s leadership and work force have cooperatively established and carried out best industry practices regarding the use of petroleum products, according to Dr. Harry, manager of AEDC’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 valve in AEDC’s test facilities,” he said.

“With the improved performance of the control valves, we reduce 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 services are needed to be replaced, therefore, reducing maintenance costs. All of these factors reduce test costs and save energy for our test customers and for the environment,” said Dr. Harry.

Hunt said that he has been one of the hallmarks of Arnold’s approach to improving operational efficiencies and reducing costs.

“AEDC has a proactive program to retrieve uncorrected oil from the site,” he said. “If we had to replace the oil in the system, we would lose 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 services are needed to be replaced, therefore, reducing maintenance costs. All of these factors reduce test costs and save energy for our test customers and for the environment,” said Dr. Harry.

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Brother's real teaches life lesson

By Col. Michael Panarisi
AEDC Commander

Dr. David Eldred General Manager, Aviation Testing Alliance

Hightech Staff: Kathy Gatta, AT Arabian Gulf, Executive Editor, Darbie Sizemore, Editor Information International Associates, Inc., Production

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Senior Airman Eric Larsen sits with Army Sgt. Ian Rastan, his brother, at the Veterans Affairs Spinal Cord Injury Center in Minneapolis. Airman Ralston was one of 12 American soldiers injured by a roadside bomb in Afghanistan. At first, Ian feared for his life, but after meeting with AEDC support contractor, the 92nd Air Refueling Wing Public Affairs, he learned that the fragility, preciousness and importance of life. He realized the difference between the war they are in and the side of the war that he's standing on. He was one day in Afghanistan and 10 days at Walter Reed. The part of the war he wasn't a part of was one I didn't see in Afghanistan. It's that kind of journalism that's good in the magazine like the heroic photos of

Why integrity first?

By Lt. Col. Randy Hulla
AWACS Information Systems

Joint Base Charleston, SC, Aptis (4/21/06) — A number of heroes have been present for 12 years, many of them with enduring wounds. The one I most remember is a pilot with the 10th Mountain Di

Action Line

Team AEDC

I believe in free and open communications with our customers and supervisors. winter with the Action Line available. People can use the Action Line to report, ask for assistance, discuss ideas on improvements, enter complaints or get other issues off their chest. The Action Line is one of three ways: via the AEDC intranet home page. Action Line boxes at the base cafeteria 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 a formal organization directly. Encourage everyone to go that route first, then if the situation isn’t solved right, give us a chance.

Average time to resolution for a call/issue: 31 days.

Core Values

• Character first
• Integrity first
• Excellence in all we do
• Accountability for our actions
• Openly and honestly openly and honestly

Wisconsin Army National Guard, based in Madison, Wisc. I was deployed with the 321st Infantry, 2nd Infantry Division. I was just a kid in the 1st Armored Regiment, 14th Airlift Squadron.

Sgt. Jake Spann, about 200 miles away in the 10th Mountain Division, was being stabilized and prepared for a medevac to Landstuhl Army Medical Center, Washington, D.C.

I met with Sgt. Jake Spann in the operations center of AEDC’s Arnold High Mach Test Facility.

Life was on the brink, but he didn’t know what it was yet. He didn’t think it was in his life. The day had been so long and so tiring for him now that he needed to know me more.

I was present for the entire war of Ian’s life. He specifically reminded me to breathe, and to break it down, to take it one step at a time. Helped him extend Ian’s journey.

I remember the moment before a litter of litter, an airman and bearing and put it all to this interview was approximate. The day that night, after my parents arrived, a nurse frantically came into his ward and told us that he had to go that route first, then if the situation wasn’t made

The smoking area map: Smoking in a facility or area not designated on the map is prohibited and any smoking receptacles located in areas not shown on the map will be removed. The same holds true for smoking areas that are 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 entry/exit. Smoking areas are marked by smoking receptacles.

The following advice regarding smoking in designated areas is effective immediately. Smoking is permitted only in designated areas identified by a plastic “smoke” tag. This tag is affixed to each location where smoking is permitted. Smoking is not permitted in any office, common area or rest room area outside the marked area. Smoking in government-owned vehicles is strictly prohibited. Personnel are allowed to smoke only in those designated smoking areas at the following locations: smoking areas are 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 entry/exit. Smoking areas are marked by smoking receptacles. Smoking area map: Smoking in a facility or area not designated on the map is prohibited and any smoking receptacles located in areas not shown on the map will be removed. The same holds true for smoking areas that are 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 entry/exit. Smoking areas are marked by smoking receptacles.

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By Andrea Stephens  

AEDC hosted this year’s third annual education fair at the Arnold Education Office (AEO) in Tullahoma on Aug. 5. Around 100 employees and their family members attended this year’s event and met with representatives from colleges and universities in Tennessee, Alabama, and throughout the United States. Any employee who has worked for AEDC for a minimum of one year is eligible to attend.

Many of the schools that were present provided handouts and pamphlets for the students of the people who can get financial assistance from AEDC, including grants, loans, or even scholarships.

The volunteers at the fair explained that they have allowed many individuals the opportunity to improve their skills or learn about the latest developments in technology, which they will be able to do as firefighters.

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 get retirees who would come in and we would get new things like 'making money from work,' and then low-income and humanities candlesticks. They train in all of that, and we get people who come in here and they don’t know about all those things, whether they could be eligible to receive income, and since we were proficient at itemizing taxes we could help them then or maybe for the next year."

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

"That was an amazing investment in themselves, and the nation because the benefit of the nation," Patton said.

The overall goal of the fair is to help promote the local population and give them the opportunity to get those services.

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Charles Smith, an AFA senior engineer and mission pilot for the Civil Air Patrol, lines up a photo out of the rear-seat window showing an oil slick on the waters off the coast near Eglin Air Force Base. (Photo by Jenny Conry)

By Shawna Jacobs

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

Conry, storekeeper at Headquarters Airman's Aid, 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 really care for each other.

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 Watenski Highway. Conry, who left the main gate to get gas for his truck and another AEDC employee, who had exited through the Main Gate, collided at the intersection. The pickup truck rolled over on the driver’s side, effectively pinning 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 injuries.

“Almost everyone looks forward to seeing those beautiful beaches from time to time. The damage had just begun and I was going to be there the next day but turned around to come back to the scene. An off-duty AEDC paramedic, John Pegg, also stopped to help. Conry climbed into the truck and until personal cutout Conry out of the truck. Conry said he wanted to climb out, but Pegg 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 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 a good job. All of Conry’s superiors, 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 family.”

“Here came back into the room and made a state-ment that’s really true,” Conry said. “Before AEDC was closed and it wasn’t always clean, they made it over to the gate and there in the base policy has always been to wear seat belts, and so now, it’s just a habit to buckle up.”

As requirements for his Civil Air Patrol qualifications.

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Crewmembers aboard the Coast Guard Cutter Junger deploy the Shipboard Oil-Recovery System (SORS) to help contain the oil spill in the Gulf of Mexico during the Deepwater Horizon oil spill. (Photo provided)
Exhibit highlights AEDC, NASA cooperation
By Shawn Jacobs

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.

These 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 I 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 past and present display missions in tie with other exhibits, test the hypersonic vehicles or industries in the area ... and [AEDC Executive Director] Britt Covington made the commitment he would like to do this," Carter said.

"That got me to thinking. I commented that he would like to open 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 on Huntsville for adult visitors to the center. The cost of the trip is $25 and must be paid by Aug. 18. Their new theme is just one of the reasons Paint Shop employee Bill Crawford, Terri Bandy, Ronald Bandy and Kathy Ferrell, John and Martha Millner, Kenneth and Carla Wessoner, Mike and Freida Bone, Randy and Kathy McCormick, Bill and Pam Crawford, Terri Bandy, Ronald Bandy and Rabia Hunt. (Photo by Cindi Marshall)

Motorcycles bring AEDC employees, others together

By Shawn Jacobs

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, an AEDC retiree and a number of 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, Murfreesboro, Lynchburg and points in between.

“We go to rallies, go to eat breakfast, go to the smoked meats, 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.

“A number of them ride with their husbands, and some of them have their own bikes,” he said.

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Getting to spend some quality time with his wife and a just a few 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...
Brother from page 2

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. There are certainly not forgotten, and they don't go unnoticed. As I saw amputees walking or wheeling themselves around the halls, or the young poets who keep the ICUs filled 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 sacrifice.

Ian was a soldier to the core, even when we were kids. Every Halloween, he wanted to wear camouflage. His “tall 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.

Ian “tall green” until the day he took shrapnel to the back of the neck, and rolled out of the back of his Stryker.

This is just how 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 bring my brother can’t; I can’t scraping 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 care-er serving the lives of others. Now he is on the other end of the spectrum.

I urge you to remember how small it means 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 those sacrifices.

Make them and our nation proud by the way we conduct ourselves in uni- form 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. Other- wise, we are merely looking 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 many more good examples of integrity than bad, as we are held to a higher moral and ethical stan- dard than our civilian counterparts ... and we should be.

We should never sacrifice our own standards or integrity for what you may face, but if you ever have to see the hor- rors of war, face them with honor.

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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, flies his rocket. The engineers had 10 minutes to design a rocket. (Photos by Rick Goodfriend)
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 Townsered, Michael Wilson, Seth Knight, Brandon Dorman, Charles Jenkins. Not pictured are David Lynn, Chris Gernaat and Josh Scott. (Photo by Kenneth Housch)

ATA and GP engineers attend UTSI process piping seminar

By Shawn Jacobs

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 1960s, 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 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,” Jenkins said. “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.”

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Overall Craft Member of the Quarter

The Overall Craft Member of the Quarter is Mickey McNees. McNees provides critical repair and maintenance support to baseline HVAC systems on site and off. In addition to ensuring the overall base support functions of second shift personnel and HVAC, with 31 years of AEDC HVAC systems experience, he plays a key role in ATE’s ability to keep critical systems operating. He responds to calls for non-related control rooms, the commander’s conference room, control centers, 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. On-call 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 provide cost saving repairs and maintenance on the systems.

Congratulations to all of the Quarterly Award Winners

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.

Don Counts
Team Member
Facilities Operations & Maintenance

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

Dwayne Strickland
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 reactive.

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.

Donnie Tyler
Team Member
Information Technology & Systems

Tyler, computer technician, was recognized for his outstanding service as a member of the Tokomax Contractor Team.

Teresa (Terry) 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 6,800 hours and $318,000 in training cost savings.

Carrie Rose
Team Member
Craft Resource Provisioning

Rose, lead instrumentation technician, was recognized for attention to detail. He ensures all instruments, hardware and associated equipment at J-4 are in working the very highest degree of accuracy possible.

Mark Brandon
Team Member
Customer Service –  External

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

Mia Wilkerson
Team Member
Internal Information Technology & Systems

Wilkerson was recognized for providing exceptional technical support and in helping AEDC’s users of silent air, responding to urgent needs, patiently explaining and helping.

Mark Branson
Team Member
Customer Service – External

Branson was recognized as providing exceptional service in fulfilling the unique needs of the ELA customers. His interactions and service efforts have been outstanding and exceptional.

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. F119 SLEP qualification, F115 FX621 augmentor, F110 and F100 alternate fuels.

Erin Robinson
Team Member
Facilities Operations & Maintenance

McNees, building systems engineer, was recognized for his ingenuity, continual innovative thinking and perpetual drive to accomplish tasks in an efficient manner.

Justin McLellan
Customer Service – External

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

Erin Robinson
Team Member
Facilities Operations & Maintenance

McNees, 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.

Don Counts
Team Member
Facilities Operations & Maintenance

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

Dwayne Strickland
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 reactive.

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.

Donnie Tyler
Team Member
Information Technology & Systems

Tyler, computer technician, was recognized for his outstanding service as a member of the Tokomax Contractor Team.

Teresa (Terry) 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 6,800 hours and $318,000 in training cost savings.

Carrie Rose
Team Member
Craft Resource Provisioning

Rose, lead instrumentation technician, was recognized for attention to detail. He ensures all instruments, hardware and associated equipment at J-4 are in working the very highest degree of accuracy possible.

Mark Brandon
Team Member
Customer Service – External

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

Mia Wilkerson
Team Member
Internal Information Technology & Systems

Wilkerson was recognized for providing exceptional technical support and in helping AEDC’s users of silent air, responding to urgent needs, patiently explaining and helping.

Mark Branson
Team Member
Customer Service – External

Branson was recognized as providing exceptional service in fulfilling the unique needs of the ELA customers. His interactions and service efforts have been outstanding and exceptional.

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. F119 SLEP qualification, F115 FX621 augmentor, F110 and F100 alternate fuels.
Lieutenant Lackey, fabrications and laboratories project manager, was recognized for correcting two ChemLab single-point failures, being a stellar budget manager and directing the F-16 dedication.

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.

Sergeant Paradez, 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.

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

link earns safety achievement award

Jim Link is the winner of the Safety Achievement Award. Link, an engineer, 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 of 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 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.
was curtailed. However, support from the tunnel space planes terminated, ing Laboratory and aeroest in the Manned Orbit When the Air Force’s interactive wind tunnel of its type. known and most producflows.

The foremost of these isRecognize of the prob

The chief designer of

Tunnel L was the best

early satellites and re-entry

10 YEARS
Vanda Arnold, ATA
Joanne Bowden, ATA
Mark Chappell, ATA
Thomas Coker, ATA
Alan Fudge, AF
Dale Jones, ATA
Norman Parsons, ATA
Thomas Richardson, ATA
Thomas White, ATA

25 YEARS
Lavonne Cox, ATA
Alecia Davis, ATA
Dennis Eggart, ATA
Daniel Feller, ATA
Mickey Gibson, ATA
Robert Hall, ATA
Frank Hayworth Jr., ATA
Jeffrey Hendrixson, ATA
Rita Perry, ATA
Cheryl Posey, ATA
William Scott, ATA
Doyle Shuttleworth, ATA
Richard Vincent, ATA
D. R. Whitfield, ATA

35 YEARS
John Jordan, ATA
George Kibler, ATA
Joe Mason, ATA

20 YEARS
Walter Cook, ATA
William DiNatale, ATA
David Ferrill, ATA
Michael Williams, ATA
Jorge Moreno, ADA
Lao Mantle Jr., ATA
William Suddberry, ADA
Mitchell Turrentine, ATA

15 YEARS
Brian Baggett, ATA
Jerry Bailey II, ATA
William Burnette, Jr., ATA
Joanne Cassidy, ATA
Nelson Crouch, ATA
Jason Daugherty, ATA
Angelia Garrett, ADA
Shannon Midley, ADA
Larry Underwood, ADA
Mickey West, ATA

10 YEARS
Laura Babo, 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
Alvan Clark, ATA
Kevin Cornelius, ATA
Nathan Crocker, ATA
Michael Dingwall, ATA
Billy Farless, ATA
Nickolas Galyen, ADA
Stephen Grant, ATA
Michael Key, ATA
Matthew Lowery, ADA
Jim Luttrell, ATA
Brad McClure, ATA
Scott Mullins, ATA
Jack Mundrock Jr., ATA
Nathan Payzau, ATA

20 YEARS
Angela Young, ATA

25 YEARS
Walter Cook, ATA

30 YEARS
John Jordan, ATA

10 YEARS
Lavonne Cox, ATA

5 YEARS
Lavonne Cox, ATA

20 YEARS
Lavonne Cox, ATA
The Ultimate Fighting Challenge (UFC) season continues Aug. 7 and fight fans will be treated to a world championship showdown between middleweight titleholders Jake Gyllenhaal and Harry Styles. The Sale's Corner – The Skip – Donnie.
Among his other contributions in this field are his work on thermo-molecular flow effects on pressures measured by means of surface orifice, 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 models giving highly uniform, low density flows and methods for predicting aerodynamics of bodies in rarefied flows. Dr. Potter directed the AEDC group that pioneered the use of aerodynamics for nose cone ablation and erosion testing and the later use of gas-loaded, track-guided models for these purposes. This made a large contribution to development of U.S. strategic missiles and established the AEDC’s Gr-Range as the premier aerodynamics research facility 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 advisor/professor in the college of engineering at the university. In 1982, he became a full professor 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 others honored and professional recognition, Dr. Potter was elected Fellow of AIAA, a University of Alabama College of Engineering 150th Anniversary Distinguished Engineering Fellow, a University of Alabama Aerospace Engineering Outstanding Fellow, and received the first General H. H. Arnold Award for the Aerospace Engineering 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.

Dr. Potter was a member of the NASA 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 up until his death 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 Hampton, Ala., Twickenham Auto-Mobile Club.

A tennis enthusiast, he enjoyed competing in local leagues. The only child of the late Jay Francis and Pearl Leath Potter of Nevada, Mo., Dr. Potter is survived by his wife of 53 years, Dorothy Williams Potter, one son, Stephen Leath Potter (Billie Sue) two daughters, Anne Food (Mk) and Carol Cahill (Breanna); 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’d 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 Shaw, retail manager, and Nancy Shaw, retail manager, and Steve Shaw, mechanical engineer; and Rusty Lunsford, a university employee.

The Tennessee Road Riders are a private club. The group does not have any official membership, but Bandy said anyone with a motorcycle, but Bandy said you are welcome to ride and that you are always looking for new members. Those want to communicate with each other. We stop pretty often if we see one motorcycle, but if you’re getting close, you see them a lot better. We try to ride in formation. Cars might not see them as well as we do, but Bandy said it is welcome to ride and that you are always looking for new members.

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’d 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] do know how many people will be able to go yet. We haven’t even really discussed it, but I’ve heard that we got it mapped out, about a 6,000 mile ride.”

Not everyone in the group, of course, is able to make every ride. “Who’s it 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 you can hope-fully make the next one.”

Just like AEDC, safety is always a major concern for the Road Riders. They always have their lights on and always have a headlight, according to the Crawford. “There’s usually somebody bringing up a concern,” he said. “We try to ride in formation. Cars might not see one motorcycle, but if you’re getting close, they see them a lot better.”

As a whole, people (other members) are real courteous to us. We have Cibs (citizens band radios) and internet 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 want to communicate with each other. We stop pretty often if anybody wants to take a break or stretch.

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 called a lot of names,” he says. • 13

Potter from page 11

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 Sally Partin, warehouse supervisor; and Ernie Sanders, truck driver. Husband and wife; Bob and Sally Partin, warehouse buyer; and Ernie Sandler, truck driver. At left are husband and wife; and Robert Shaw, retail manager, and Nancy Shaw, retail manager. 

Randy and Kathy McCormick, John and Sally Partin, warehouse supervisor; and Ernie Sanders, truck driver. Husband and wife; and Bob and Sally Partin, warehouse buyer; and Ernie Sandler, truck driver. Husband and wife; and Robert Shaw, retail manager, and Nancy Shaw, retail manager.
## Tennessee’s Sales Tax Holiday

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### Clothing ($100 or less) Tax-Free Items Include:
- Belts
- Caps
- Coats
- Dresses
- Gloves
- Hats
- School Uniforms
- Shirts
- Shoes
- Socks
- Sneakers
- Underwear

### School & Art Supplies ($100 or less) Tax-Free Items Include:
- Binders
- Book Bags/Backpacks
- Calculators
- Chalk
- Crayons
- Erasers
- Folders
- Glue
- Lunch Boxes
- Notebooks
- Paper
- Pens
- Pencils
- Rulers
- Scissors
- Tape

### Computers ($1,500 or less) Tax-Free Items Include:
- A computer with a purchase price of $1,500 or less, not for use in a trade or business, and purchased for personal use.
- 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.

### Note:
Textbooks and Workbooks are always exempt from sales tax.