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Beyond Zero® - Culture of Caring ensures 'Safety First – Mission Always'

By Vicki Peters
AEDC Contributing Writer

Safety used to be an after-thought and now it is a top priority,....ingrained into each job.

As Aerospace Testing Alliance (ATA) concluded its tenth year providing operations, maintenance, and support services at AEDC, they achieved the best safety performance record since the start of the contract.

The ATA Safety Office per-

sonnel asked several employees to discuss the changes they have experienced in the safety culture during their time at AEDC. To ensure frank discussion, responses were submitted anonymously in writing. Those interviewed had been on the job anywhere from a few weeks to over 30 years and included industrial and office personnel. When reviewing the comments, it became evident that all have become aware that safety is in-

deed, as stated by the engineer quoted above, "a top priority."

Operating as a joint venture with Jacobs Engineering as the managing partner with Pacific Architects and Engineering (PAE) and GP Strategies, ATA assumed the existing workforce in October 2003 in the midst of a struggling safety program. It was a period when many employees viewed safety as a negative sort of "forced compliance" and at a time when too many employees

were being hurt.

At the onset of the operating contract, ATA sought to turn this around. The company took aggressive steps to establish a different safety culture reflecting the Jacobs philosophy that "our employees are our greatest asset." This effort did have a significant effect on the safety culture. From the start, the company implemented a code of safe work practices and took aggressive action to increase the

employee's role in being responsible for safety of self and others while empowering each worker to challenge unsafe conditions and practices. In 2008, ATA integrated the AEDC safety philosophy of "Safety First – Mission Always" with the Jacobs Beyond Zero® approach to workplace well-being and project safety.

Ten years later, responses from employees surveyed in a

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Anthony Jimcoily, an AEDC fire fighter, crawls through a confined space to retrieve an injured worker as part of a recent mandatory annual rescue training exercise. See page 5 for additional photos. (Photo by Rick Goodfriend)

Confined space rescue training instrumental to AEDC

By Raquel March
ATA Public Affairs

"John is unconscious in the east access duct and we need emergency assistance on Fourth Street..."

AEDC personnel and emergency services who may encounter a scenario such as the one above can respond quickly and appropriately due to confined space rescue training.

AEDC fire fighters, Emergency Management Services personnel, AEDC Safety, Health and Environmental Branch personnel and ATA Mission Support personnel who work in

See RESCUE, page 5

Maj. Gen. Bunch visits AEDC



Maj. Gen. Arnold W. Bunch, Jr. (far left) takes a tour of the AEDC lake during a recent visit. The two-star general spent four days at the Complex during October. Since oversight of AEDC is part of his responsibilities, Bunch tries to make regular, routine visits to middle Tennessee. Also pictured: Arnold Operations Captain Kevin Syler (middle) and AEDC Commander Col. Raymond Toth. SEE EDITORIAL ON PAGE 2. (Photo by Rick Goodfriend)

Area veterans honored with a trip to see monuments in Washington, D.C.

By Kathy Gattis
ATA Public Affairs

It was a chilly Saturday morning when 50 World War II and Korean War veterans and their escorts boarded a Southwest Airlines' airplane.

The group was in route to Washington, D.C. to see some of the nation's most important monuments symbolizing the freedom they fought to preserve.

The Southern Middle Tennessee Honor Flight makes two annual trips to the nation's capital – one in the fall and one in the spring.

Lana Woodard and Claude

Morse were two of the guardians (escorts) for last month's fall trip.

"Our veterans all seemed to have a great day," Morse said. "Our oldest veteran on this flight was 94. He is a newlywed who served in the Navy in the Pacific during World War II, along with three of his brothers, who all returned safely from the war. This gentleman was 94, but he had no problems keeping up with the group."

Morse is the chairman/director of the Southern Middle Tennessee

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HIGH MACH

Arnold Engineering Development Complex
An Air Force Materiel Command Test Complex

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



Vision

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

Core Values

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

Veterans Day is a day to say thank you

by Gen. Janet Wolfenbarger

Commander, Air Force Materiel Command



Gen. Wolfenbarger

WRIGHT-PATTERSON AIR FORCE BASE, Ohio – The United States greatly values its veterans and has a proud history of supporting and honoring these men and women. That is as it should be.

While we should remember these heroes every day, Veterans Day offers a special time to acknowledge the millions of Americans who have stepped up to serve their country. Over the years, we've asked these veterans to risk their well-being and their lives to answer their nation's call. In peace-time and in war, they have remained unwavering in their commitment to duty, honor and country.

We owe these veterans an eternal debt – a debt we can never really

repay. But what we can do is recognize their contributions and sacrifices in service to our nation. We can remember those who have served, those who continue to serve and those who made the ultimate sacrifice for our country. We can show our gratitude with two simple words: thank you.

So, to all veterans and to those currently serving, please accept my personal and heartfelt "Thank You!"

The importance of 'Team'

By Maj. Gen. Arnold W. Bunch Jr.

Air Force Test Center COMMAND



Maj. Gen. Arnold W. Bunch Jr.

Many of you probably wonder why I start all of my AFTC messages with "Team." I do so because I truly believe we are one team working together to accomplish AFTC's critical mission and we can only be effective and efficient if we operate as a team. So, I am big on Team.

We have made great strides to work more as a team since the standup of AFTC, and we are still on that journey. One of the first and greatest teaming successes after standup was the merger of the ABWs and TWs at Eglin and Edwards. The ability to remove artificial barriers that existed solely because of organizational structure allowed the Wing CCs and staff to focus on the overall mission requirements and seamlessly make decisions in a more expeditious manner.

What were the artificial barriers and how did they impact the mission?

Prior to the merger, in many cases each Wing performed similar functions or stood up mirror image offices because we "couldn't trust" the other Wing to take

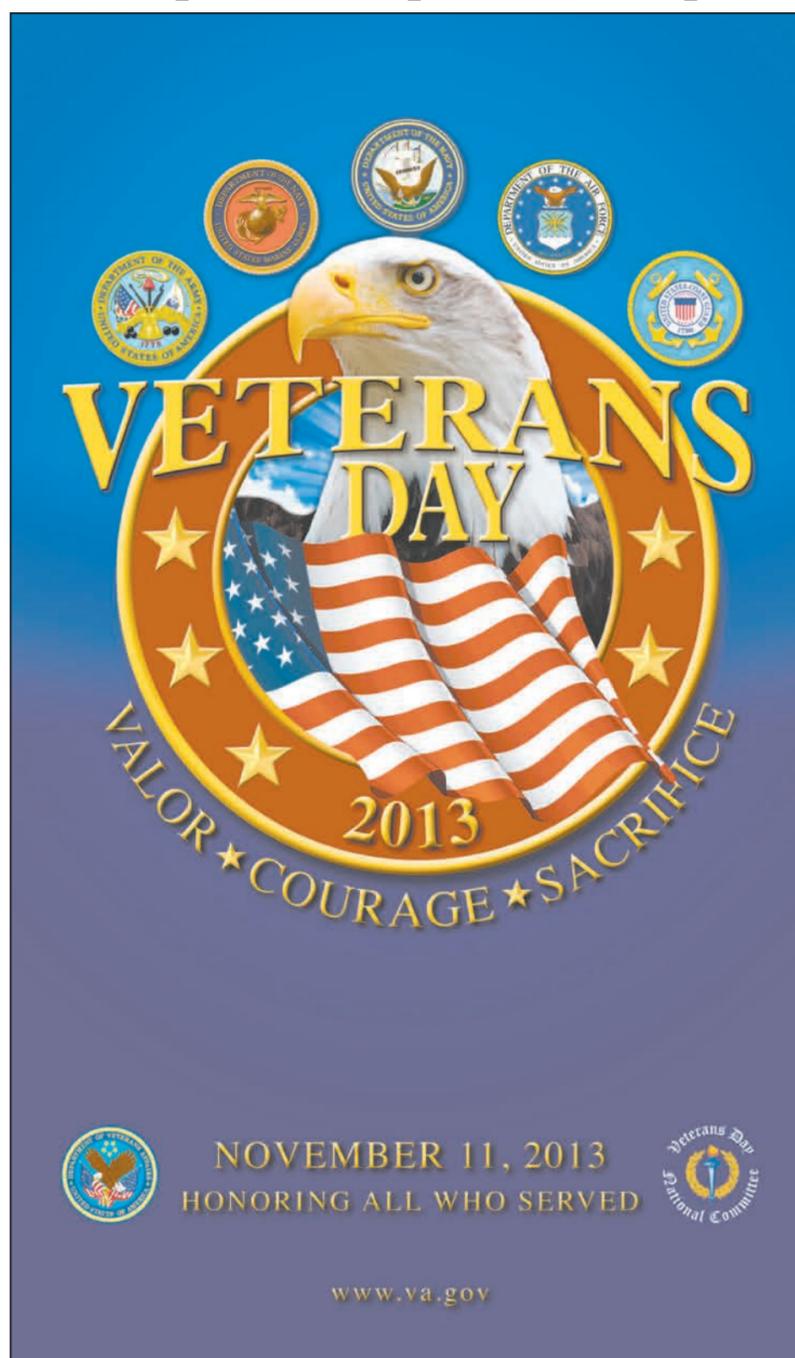
care of us. In some cases, we had barriers so strong that individuals were forbidden from talking to "the other side" about projects or ideas that impacted both Wings. None of these activities embrace transparency, effectiveness, efficiency, teaming which we need to succeed.

When we first outlined the intent to merge the ABWs and TWs, I was told by many naysayers "it could not work". The naysayers voiced concerns that the new TW/CCs would become so focused on the execution of the test mission that the support side would be ignored and neglected.

The naysayers were 100 percent wrong.

I make this assertion with great confidence for numerous reasons.

During my site visits, I



have talked to our workforce (both leadership and in the trenches). You have told me they were wrong.

Since the merger, each Wing has blended requirements to be more effective and efficient; and each Wing harmonized the linkages between test and support under the challenge of sequestration so AF senior leaders could more completely understand the mission impacts driven by funding reductions.

Additionally, I am very comfortable saying our entire team has a better understanding and appreciation of all aspects of the Wing mission than they have ever had before. I have heard 30-plus year civilians in leadership roles quoted "I never knew how what I did impacted the people in the other wing".

The most important basis for my assessment is by observing the Wings professionally execute the mission. You are getting the mission done better than ever!

So, why do I write on this now?

While we have fostered and trumpeted the ONE

WING, ONE MISSION mantra and I outlined the successes above, I still encounter situations at all of our sites where it is obvious some people simply don't get it.

I have heard people refer to themselves as "insignificant" in the eyes of others because they worked on the "support" side. As we approached shutdown, I had individuals advise me I should furlough a certain part of the team they were not part of because the "division" or "branch" was not as important as their division.

I vehemently disagree with these statements. Without the entire team, we have no jets in the air, we have no phones, we have no data, we have no medical care, we have no wind tunnels, we have no security. Hopefully, you get the picture.

Each and every individual in AFTC provides value to our mission success. Each and every individual is the most important person in the organization at one time or another. When the power is out on base,

the F-35 test pilot, SEEK EAGLE engineer, or wind tunnel test director isn't as critical to mission success as the Airmen (civilian, military, or contractor) working to get power restored.

The AFTC Leadership Team is committed to ONE WING, ONE MISSION. We see and understand the value of each and every team member.

AFTC must move beyond ONE WING, ONE MISSION towards an Integrated Test Enterprise. To achieve the vision of "Tester of Choice...Today and Tomorrow" an enterprise focus is required, but I will give you more on that topic in the future.

I encourage you to learn and appreciate what everyone contributes to successfully execute the mission and how others contribute to you being able to accomplish your J-O-B. It also doesn't hurt to say thanks to those you may have taken for granted.

Thank you, each and every one of you, for what you do each and every day to make AFTC successful.

Parking and speed limit restrictions

By Dan Hawkins

AEDC Contributing Writer

The Safety office and the Arnold Police have noticed that parking in prohibited areas around

the base is on the increase, especially in the industrial area. We have many locations on base where the parking lot size is limited or a parking lot is not immediately adjacent to a

building or area for safety reasons.

Personnel who try to extend the size of our parking plans by parking outside of the designated areas create a safety hazard and they make it especially difficult for other vehicles to navigate through narrow corridors and turn around safely. We have had a couple of minor vehicle incidents recently where the illegally parked vehicles have contributed to the congestion in the area and the incident. Fortunately, no one was injured but with the decrease in daylight hours, the risk of somebody being struck by a vehicle increases.

We will be stepping up enforcement of our

base parking policies, to include issuing citations for illegal parking. We're asking building managers, supervisors, or those whose travel is impeded by illegal parking to contact Arnold Police at 454-5662 and report the location of the illegally parked vehicle(s) immediately.

We have also been monitoring speed both within the Mission Area (inside the fenced area) and outside of the Mission Area - including Watten-dorf Memorial Highway and other Arnold AFB roadways. Citations will be given for those who exceed the limit.

Did you know that installation driving privileges can be suspended

or revoked from thirty days to one year based on point accumulations or number of parking violations?

For more information, please refer to the Integrated Defense Plan (IDP), which contains all of the rules of the road, to include parking and speed limits. An electronic copy of the IDP can be found by following the below steps:

Navigate to the Team AEDC web page. Look on the right side directly under "Toolbox Topics" and open the section entitled "AEDC Information." The Integrated Defense Plan is approximately five links up from the bottom of the AEDC Information section.

Action Line

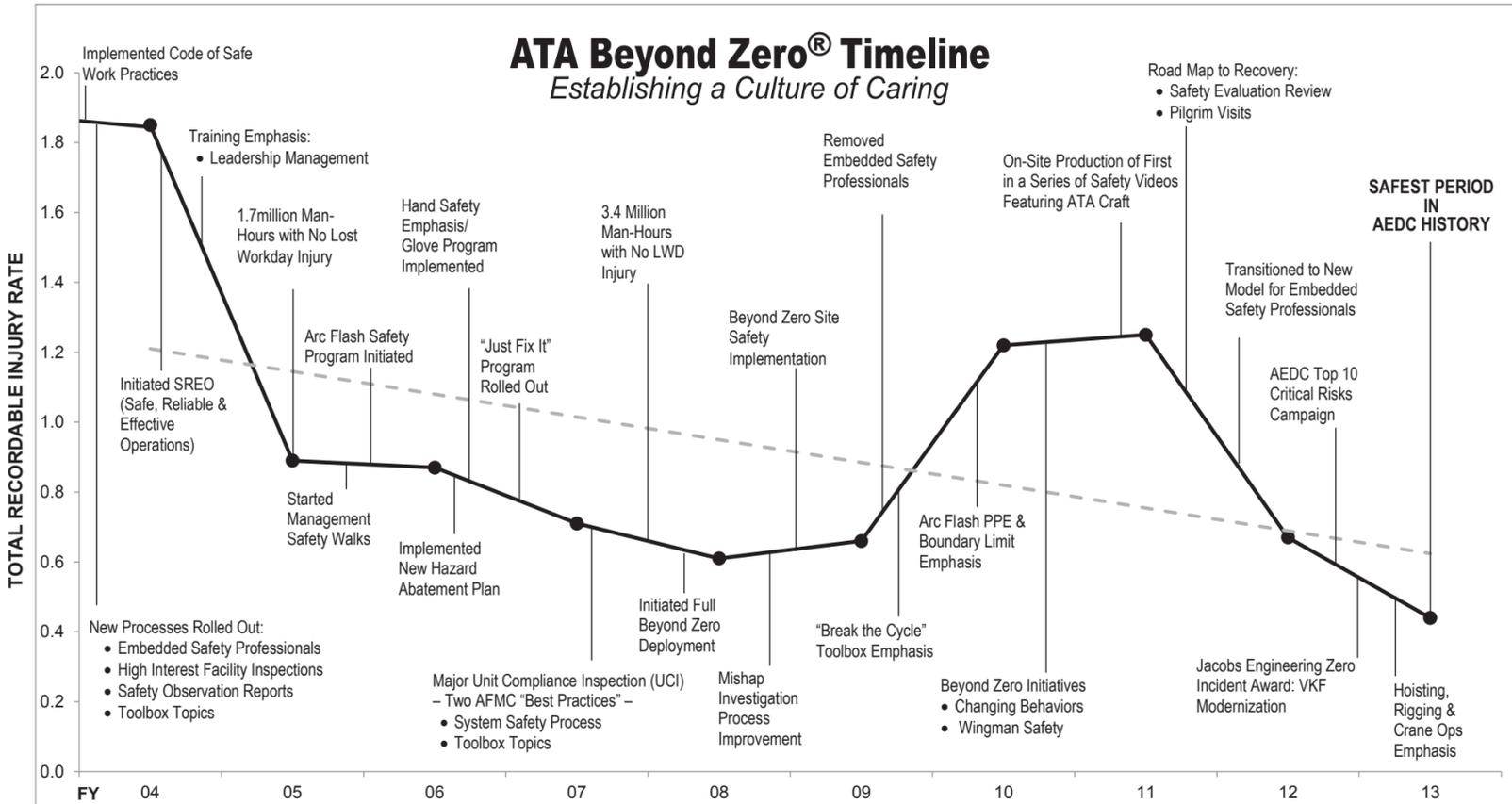
Team AEDC

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

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

Col. Raymond Toth
AEDC Commander

ATA Beyond Zero® Timeline Establishing a Culture of Caring



variety of jobs indicate ATA has indeed changed the climate of safety from one of “enforcement” to a culture of “empowerment” and caring. It is a process that is still evolving. Beyond Zero is more about the journey than the establishment of a program.

Within the first year of the contract, ATA launched a program to embed safety professionals in organizations where the greatest number of injuries had occurred. As these personnel began to spend more time in the field and had more one-on-one contact with the workforce, areas of concern were identified and a Safe, Reliable and Effective Operations program was born. To foster involvement of all personnel, daily toolbox meetings were initiated to address on- and off-the-job safety. High interest facility inspections, an automated system safety process, and an emphasis on training and pre-planning tasks came at the same time. A new hazard abatement plan coupled with a focus on increased communication and the importance of personal and shared responsibility soon followed.

These efforts placed emphasis on use of proper personal protective equipment (PPE), and launched a campaign to encourage employees to “Just fix it” upon encountering a problem within their power to correct. One employee noted that there is more empowerment for the employees to step in and stop work if a situation appears to be unsafe, observing the biggest impact as an office worker that even the most minute object can cause a slip, trip, or fall.

Employees interviewed agreed that the increased emphasis on personal responsibility and focus on pre-planning has made the workforce safer. Most noted they now take fewer chances with jobs at home and have worked to educate family members on hidden hazards, with one voicing a conviction that safety is truly number one in everything we do at work and home.

A former instrument technician, now a supervisor, echoed this conviction, noting that safety has gone from something that we had to comply with to a daily way of doing business. The proof is in seeing folks challenge others who forget their PPE or start a shortcut that will increase the chances for an injury. This supervisor now has employees coming on a regular basis to report an unsafe condition and has

watched safety go from being a job for a few to being a goal for everyone.

Changes in the culture are not “top down”; rather, they are a result of listening and acting upon sincere recommendations. One employee observed this by pointing to the importance of Safety Leadership Team meetings which resulted in a change in the way injuries are handled. These meetings in which employees from all levels work together have enabled others to see the craft employees’ points of view on several issues, especially their descriptions of how uncomfortable injured employees felt when taken to the Dispensary only to be met with supervisors, managers and sometimes directors. The team improved the procedure and eliminated the need for extraneous management staff to accompany the injured employee at the dispensary. The meetings have also provided a greater appreciation for supervisors’ concern for their employees.

Safety moved to the next level as the workforce claimed ownership of safety. Outside agencies took note: A major Unit Compliance Inspection credited ATA with two AFMC best practices and the workforce achieved the safest period in AEDC history in Fiscal Year (FY) 2008. Soon after, the company implemented a full Beyond Zero® deployment, which a DNV (Det Norske Veritas) audit recognized as an initiative with a “high degree of control.”

The company continued focusing attention on areas of concern and high accident potential, making enhancements to the lock-out/tag-out process, establishing new standards for wire rope, and initiating an arc flash safety program which has expanded from a program primarily for electricians to a program that includes many other craft and engineering personnel. Increased emphasis on scaffolding and shoring has made a difference as well.

Scaffolding is safer as a result of work rule changes and training, explained a skilled craftsman, who also noted a change in shoring practice. He commented that workers used to jump in a hole and start shoring it. Now the same workers don’t even think about going in a hole without first shoring it from the top and benching it back.

During FY 2010 and 2011, things took a turn, and people were being hurt more frequently. ATA took action with a series of Beyond Zero® initiatives, beginning

with additional training and a corporate reach-back Safety Evaluation Review. This review identified concerns which were then tracked via a Road Map to Recovery. This was later renamed the Operation Safety Roadmap and became the framework to continue driving safety improvements.

As problem areas were identified, ATA took action focusing on sprains and strains and slips, trips and falls. Toolbox meetings and on-site production of safety videos featured ATA craft personnel in action. These videos focused on problem areas, including lifting and climbing. Two of the employees surveyed noted the change in their own work practices. One has made it a practice to use the proper method for lifting and setting down heavy objects. Another now focuses on using the right equipment for the job, like using a step ladder instead of a chair.

The rise in injuries coincided with a period that brought the embedded safety professionals back to the office, and the company transitioned to a new model for embedded safety professionals and increased emphasis on preplanning and use of the Job Safety Analysis (JSA). An abbreviated version of the JSA was developed for routine jobs in the form of a Job Safety Review pocket card. Other initiatives including the emphasis on near miss sharing were put in place. The negative trend turned around.

Safety is now a primary aspect of planning work instead of an afterthought commented one project manager who added that risk assessment and risk mitigation in life are now taught to the family at home. Another employee acknowledged the change in culture by stating that it took a long time to change our past culture, but it has truly paid off by taking us from very little safety to an outstanding safety program.

This summer, ATA took a look at AEDC injuries over the years and identified AEDC’s Top 10 Critical Risks. Periodic emphasis on these key risks together with other safety measures and employee buy-in is already paying off with reduced incidents and increased employee ownership of safety.

Long-term employees see and are embracing the change in culture: One employee of 31 years points to it as the only true culture change in over three decades, explaining that many of the companies that



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

have been here have tried to change the culture in one way or another, but none have succeeded until now. This veteran worker concluded by remarking that ATA should be proud as it has accomplished not only a culture change but also a very good thing.

One engineer who is now a manager pointed to a turnaround in his own personal attitude several years into the ATA contract. He stated that early on he was rather angry and personally insulted thinking that Jacobs was insinuating that he wasn’t safe and didn’t care about the people he worked with. He explained that he knew that he never wanted to see anyone hurt, but believed that some things just happen outside of our control. He wanted to meet the person that was saying he didn’t care. He added that once he understood that we do have much more control of things that cause injuries leading to potential fatalities, it all “started clicking” for him. He said that it began to make sense that if we do have control of those things that can potentially cause so much hurt in our team mates lives, then we should be do-

ing the best we can to try to eliminate those things. That is how you show you care for each other, it occurred to him one day; this is what Beyond Zero has been saying all along. It is not just a safety program but common sense. He concluded that this is when he finally caught onto “A Culture of Caring.”

Another employee appreciates the company’s and management’s long-term commitment to the Beyond Zero approach, explaining that the company has shown that the Culture of Caring is not a “safety fad” or “program of the month,” but an important goal worth working toward.

Buy-in to the culture of caring has gone beyond the job with another long-term employee recognizing the ATA effort as being well above the norm, leading employees to look at safety completely differently. With a son in the Industrial Maintenance program in trade school, this employee now expresses a hope that wherever the young man goes to work that safety on his job site is at least half of how we care for and look after our people’s well-being.

Short-term employees

have also recognized the culture compared to other companies where they have worked. One temporary craft employee who has held various contract jobs over a 20-year period but had only been with ATA a few weeks summed it up by calling ATA the best place ever to work. This company really cares about its employees and makes us feel like we matter. They do things that make the job safer and easier. The employee concluded with a strong desire to come back.

“If you look at the overall safety performance over the years, there have certainly been some ups and downs as different ‘initiatives’ were implemented,” observed Catherine Plunkett, ATA Safety, Health and Environmental Manager. “I think the difference now is the level of responsibility that each employee feels toward his own safety as well as the safety of each other. ‘Beyond Zero – A Culture of Caring’ is not an initiative but is becoming a cultural norm that will enable us to sustain the gains in performance as well as continue to drive improvements. After all, it’s about going home safely to our families.”

AEDC sponsored *FIRST*® LEGO® League teams to compete at Tullahoma High School tournament

By Raquel March
ATA Public Affairs

As youth participation increases in the *FIRST*® LEGO® League (FLL®) in middle Tennessee, regional competition for the league changed this season. That change is to conduct an FLL sanctioned tournament, the Tullahoma FLL Regional Qualifying Tournament, at Tullahoma High School Nov. 23.

Due to the increased number of teams registering to be a part of FLL, the tournament held at Tennessee Tech University (TTU) in Cookeville couldn't accommodate all teams.

"In previous years we have hosted a competition that was a 'dress rehearsal' for the Tennessee tournament in Cookeville," said Harry Clark from AEDC and the Judge Advisor for the Tullahoma FLL Regional Qualifying Tournament. "This year a certain percentage of our top teams will qualify to advance to the Tennessee tournament."

There will be four regional qualifying events, such as the one at Tullahoma High School, to select 64 teams who will compete at TTU in December.

According to Clark 32 teams, including up to 10 students per team from sixth through eighth grade, will compete at Tullahoma High School.

The AEDC Science, Technology, Engineering and Mathematics (STEM) Center Coordinator Jere Matty said FLL items from the lending library were loaned to 15 local teams from Bradyville, Cowan, Fayetteville, Hillsboro, Manchester, Murfreesboro, Shelbyville, Tullahoma and Winchester.

The 2013 FLL challenge is Nature's Fury. The challenge includes programming



An AEDC sponsored *FIRST*® LEGO® League team, The South Middle School Trojans from Cowan, prepare for competition at a 2011 regional event. (Photo by Andrea Stephens)

an autonomous robot to score points on a themed playing field and developing a solution to a problem they have identified guided by core values. Nature's Fury presents natural disasters where teams will discover what can be done when intense natural events meet the places people live, work and play.

Nature's Fury missions include: position an evacuation sign; clear an airplane's runway from debris; land a cargo plane safely on a runway; relocate structures; distribute

water to people in need; and deliver supplies.

The AEDC STEM Center also lends *FIRST* supplies for local Jr. LEGO League and *FIRST* Tech Challenge teams.

"There will also be seven Jr. LEGO League teams there [Tullahoma High School] to display their work as well as several of the *FIRST* Tech Challenge high school teams we sponsor," Matty said.

Jacobs Technology is a sponsor of the event as well as ATA, which provided Nature's Fury challenge tables made

<i>FIRST</i>® LEGO® League Teams Sponsored by the AEDC STEM Center	
Woodland Elementary	Bradyville
South Middle School (Trojans)	Cowan
Fayetteville Middle (Robo-Tigers)	Fayetteville
Hillsboro Elementary (Tiger Tron)	Hillsboro
College Street Elementary (Mass Destruction)	Manchester
Westwood Elementary (Eagles)	Manchester
Westwood Middle School (Rockets)	Manchester
McFadden School of Excellence	Murfreesboro
Liberty Elementary/Middle School (Lego Masters)	Shelbyville
East Middle School	Tullahoma
JACOBS (Eye of the Storm)	Tullahoma
West Middle School (Lego Legends)	Tullahoma
Clark Memorial School (Lego Masters)	Winchester
North Middle School (Robo Gators)	Winchester
Rock Creek Elementary (Rockets)	Winchester

by the Franklin County High School carpentry class.

The tournament, which will be located in the high school's gymnasium, is free

and open to the public. The doors will open at 8 a.m. Visitors and guests will be offered the opportunity to purchase lunch for \$5 at the door.

AEDC's Federal Women's Program raising awareness of women POW/MIA

By Rhonda Ward
AEDC Contributing Writer

The Arnold Air Force Base Federal Women's Program (FWP) will be selling t-shirts and hoodies Nov. 12-27 to raise awareness of the women

who were prisoners of war and/or missing in action (POW/MIA).

Typically when POW/MIA's are discussed, people envision male soldiers but there have been numerous women who were captured or

listed as missing in action. Even during the Civil War, Army nurses were taken prisoner and it continued during each war/conflict since that time. For example Mary Chapman and Gladys Ann Meador during WWII; Maj. Rhonda Cornum and Spc. Melissa Rathburn-Neely during the Persian Gulf War (Operation Desert Shield/Storm/Victory); Pfc. Jessica Lynch, Spc. Shoshana Johnson, and Pfc. Lori Piestewa during Iraqi Freedom, just to name a few.

All net proceeds raised from the sale of the POW/MIA t-shirts and hoodies will be donated to the Rolling Thunder, Chapter One in Murfreesboro. Rolling Thunder is a non-profit organization whose mission is to "educate the public of the fact that many American prisoners of war were left behind after all past wars." More information about Rolling Thunder is located at www.rollingthunder1.com.

The following people may be contacted to place orders: Lynn Armer, 454-6393; Kandi Pearson, 454-5161; Holly Jones, 454-3415; Debbie Coffelt, 454-5077; Melissa Warren, 454-3432; Heather Fair-Rawn, 454-4339; and Rhonda Ward, 454-5905.

RESCUE from page 1

confined spaces recently received mandatory training in confined space rescue procedures.

There are many variables that determine how personnel and emergency services will respond. AEDC has confined spaces that are so small that only one person can pass through at-a-time. These and other dangerous conditions make it critical for emergency responders to regularly train for and be prepared to follow specific procedures to rescue individuals who are trapped or injured in small spaces. There are times when the atmosphere in the space may not have sufficient oxygen for breathing.

For the fire department, training culminates in an annual confined space rescue drill that tests the depart-

ment's expertise in this life-saving skill.

"Confined space training is important on AEDC because we have hundreds of confined spaces, and we have people working in them almost daily," said Chris Bidmead, in the ATA Safety and Health department. "Special training is required before anyone can enter, work, monitor those working or attempt rescues in confined spaces.

"A confined space is any location that has a constrained method of entering and exiting, is not intended for people to remain inside [for extended] times, and is a location where employees can enter to do work."

Confined spaces at AEDC may be test cells, tanks, pits, manholes, sewers, boilers and ducts. These

locations can possess hazards and may be difficult to exit in an emergency. Any employee who enters a confined space, monitors others entering, grants others approval to enter or is responsible for making a rescue, must be current on their training.

When the AEDC Fire Department responds to a confined space incident the lack of oxygen may be coupled with other multiple hazards.

Bidmead said, "Generally speaking, the greatest hazard in confined spaces is the air inside the space. If the air lacks oxygen or contains toxins it [the situation] can be lethal.

"For many reasons, the Fire Department's confined space rescue training is as challenging as it is critical

because of the many potential risks involved with confined space emergencies response. Fire fighters must be prepared to deal with fire, explosion, hazardous materials and toxins, risks of falling, risks of being struck by something, awkward body positions, carrying heavy equipment, and moving victims while under great physical and emotional stress."

Personnel who work in the confined spaces will have equipment to protect them from the environment such as the appropriate atmospheric monitoring equipment, a body harness, a retrieval line and a lifting device to pull the person out of the space as well as personal protective equipment. The retrieval system may be used by personnel outside the space to attempt a rescue

before the Fire Department arrives.

"The Fire Department rescuers also typically wear their turn-out gear with respirators, and have to maneuver rescue requirements for the victim into the space," Bidmead said. He remarked that the rescue procedure with the equipment makes the task more difficult.

The confined space rescue training for AEDC is also beneficial to the surrounding communities.

"The AEDC fire department shares its skill and knowledge in confined space rescue with surrounding community departments and periodically trains with them and both teams depend on one another for assistance during significant rescue events," said AEDC Fire Depart-

ment Chief Daryle Lopes. "Although we have not recently responded to or requested mutual aid assistance for confined space rescue, we all stand ready to help one another should the need arise."

Tom Lombard, an assistant fire chief and emergency incident commander with the AEDC Fire Department added, "The training we accomplish ultimately becomes a response asset to our mutual aid partners.

"Several of our members are local volunteer fire fighters in Hillsboro, Manchester, Estill Springs and in Franklin County. Ultimately, the training we receive positively impacts our mutual aid partners as our members are able to share this training with those departments."



Rescue in progress

AEDC Fire Fighters Brandon Gunn (left) and Anthony Jimcoily (right) and AEDC Pipefitter John Knox, who works in confined spaces, recently completed a mandatory confined space rescue training exercise utilizing the proper equipment and procedures. Gunn's and Jimcoily's assignment was to retrieve the worker at the end of the pipe and transport him to safety. Each photo depicts a different stage in the exercise. Confined space rescue training is an annual mandatory training which involves the AEDC Fire Department, AEDC Safety, Health and Environmental Branch and ATA Mission Support. (Photos by Rick Goodfriend)



Find the worker . . .



The right gear . . .



Worker is found . . .



Secure the worker . . .



Worker retrieved . . .

VETERANS from page 1

Honor Flight and he said the veterans for this trip came from a variety of places – from Signal Mountain near Chattanooga to southern Kentucky.

Morse praised each of the groups who work together to make this a special day for veterans.

It all begins with the sponsors who make the trips possible through donations. They pay for all the expenses; veterans pay nothing to make the trip.

It is a long day and it begins early.

The first bus picks up veterans in Winchester at 2:45 a.m. The sheriff's departments for Coffee and Franklin counties along with the Manchester and Tullahoma Police departments provide blue-light escorts in their jurisdictions.

American Legion riders provide an early morning motorcycle escort from Winchester to the Coffee County line and the Patriot Guard motorcycle riders greet the group at the Nashville airport the morning of the flight – just before 5 a.m.

Morse said personnel at the Nashville airport and the Transportation Security Administration (TSA) are always very helpful in getting the elderly heroes through security. Employees of the official airline for the Honor Flight, Southwest Airlines, help as they board the plane.

Once they arrive in Baltimore, they board a bus for the ride to Washington, D.C. and the World War II Memorial.

During a lighter mo-

ment when the group's bus was parked at the Korean War Memorial, a British tourist inquired about using the loo (restroom).

"All the public restrooms were locked because of the government shutdown, so of course, we let her use the loo on the bus," Morse said. "We all laughed a little about that."

In addition to the Korean War Memorial and the World War II Memorial, the group saw the Air Force Memorial and the changing of the Guard at the Tomb of the Unknowns at Arlington National Cemetery.

The last stop is Fort George G. Meade, Maryland. Ft. Meade personnel provide a special evening meal at the post's dining facility. The Ft. Meade Provost Martial, a lieutenant colonel from Murfreesboro, Tenn., welcomed the group. Military working dogs also gave a brief demonstration. Morse said the vets loved getting to pet a friendly bomb sniffing dog who had spent three tours of duty in Iraq and Afghanistan.

When the American heroes return to Nashville that night, they are greeted by the same Patriot Guard motorcycle riders who greeted them at 5 a.m. that morning.

The Southern Middle Tennessee Honor Flight already has some veterans booked for a spring flight in late April or early May. The group needs to raise between \$17,000-\$20,000 to cover the costs of the next trip, most of it by February to pay for bus rental



Vice Chairman of the Southern Middle Tennessee Honor Flight, Lana Woodard (middle left), witnesses The Changing of the Guard at the Tomb of the Unknowns at Arlington National Cemetery. Fifty World War II and Korean War veterans participated in the trip. (Photo provided)

and airline reservations.

Each flight includes a doctor and a nurse and wheelchairs are available upon request.

Morse said any veterans interested in going on the

spring 2014 Honor Flight can contact the veteran's coordinator/scheduler, retired Army Sergeant Major Larry Williams at (931) 924-3000 or email him at tennesseans2@blomand.net. If any-

one would like to get on the standby list to be a guardian they can contact Vice Chairman and Guardian Coordinator Lana Woodard at (931) 434-5664.

Those interested in mak-

ing a donation can send to: Southern Middle Tennessee Honor Flight, P.O. Box 1926 in Tullahoma, TN 37388. Make checks payable to Southern Middle Tennessee Honor Flight.

ATA donates \$1,000 to North Middle School Tech Lab



Students at North Middle School in Winchester get excited about some new STEM promotion materials provided by ATA. (Photo provided)

By Kathy Gattis
ATA Public Affairs

ATA recently made a donation to North Middle School (NMS) in Winchester to support a new technology lab. The \$1,000 donation was used to buy materials and supplies needed to get the program up and running.

The technology lab will help students learn design and computer programming along with electronics (sensors) in tandem. Later chemistry will be incorporated. The lab is the first of its kind in area middle schools.

A North Middle School instructor and coach for the Tech Club, Jim Murphy, has a total of 80 students involved in science, technology, engineering and math (STEM) programs.

“ATA’s support and partnership with our school will give NMS students opportunities they wouldn’t have otherwise,” Murphy said. “I see firsthand that many of our students are gifted and

talented in STEM related subjects. It is my educational philosophy that giftedness, talent and interest should be fostered through clubs and extra-curricular activities in a fun and working environment.”

Murphy is a middle school math and science teacher and has been using STEM in the classroom for the majority of his 36 years in education. He requested a donation from ATA after discovering some of his students’ parents work at AEDC.

In addition to the ATA donation, the AEDC STEM Center is partnering with the North Middle School as well. For the first time students can participate in a MATHCOUNTS team, Lego League, a technology lab and a STEM aviation class.

“The students we are educating today through ATA-NMS STEM clubs will be in America’s workforce until 2060-2070,” Murphy

said. “They will be working in jobs and fields that don’t yet exist, and it is my belief that the majority of jobs will require a STEM background at some level.

“It is my vision that through the support and recognition of ATA and AEDC, North Middle School’s reputation as a school for academic excellence in STEM, will be recognized throughout the state.”

Murphy has several volunteers, including two from ATA’s parent company, Jacobs, but he can always use more. Anyone who is interested in helping students with STEM activities can contact Murphy through ATA Public Affairs at 454-7723 or through North Middle School. Most of the teams and clubs will meet after school.

The AEDC STEM Center is designed to provide interactive learning for teachers and students K-12. The mission is to inspire and develop student interest in



STEM careers, especially in communities that surround Arnold Air Force Base, laboratories and other Department of Defense facilities.

The STEM Center includes a lending library. Schools can *check out* or borrow a variety of items used to enhance learning in the classroom.

There are limited funds available through the AEDC STEM program for sponsoring team activities in a variety of competitions. For additional information on donations or the lending library, go to <http://www.arnold.af.mil/STEM/>.

For those interested in education donations through ATA, the company uses an Employee and Community Activities Committee (E&CAC) to review donation requests and help ATA distribute funds to support activities that encourage learning and promote interest in STEM fields.

ATA employees can submit a request for funds to support education projects, supplies, or competitive events. The committee also

supports charitable organizations in the area surrounding AEDC.

Bedford, Cannon, Coffee, Franklin, Grundy, Lincoln, Marion, Moore, Ruth-erford and Warren counties are the primary areas covered since these are the areas where most of the Complex’s employees reside. For more information contact the EACAC at www.aerospace-testingalliance.com.

[testingalliance.com](http://www.aerospace-testingalliance.com).

AEDC also offers a tour program with hands-on activities tied to school curriculum. The tours are free and open to any school system. AEDC and the University of Tennessee Space Institute work together on eighth grade tours. Call ATA Public Affairs at 454-5655 for more information or to schedule a tour.



Two ATA employees make a check presentation to Jim Murphy, a math and science teacher at North Middle School. Ricky Taylor (left), an ATA outside machinist and father of North Middle School student, Cameron Taylor (center); Jimmy Mitchell (2nd from left), an ATA test engineer, has a son, Mason, in Murphy’s math class; Avery Wiggs (center behind Cameron), social studies helper; Jim Murphy (4th from left) and Kyle Reid (right), another Tech Club coach who will help students learn programming language and computer code. Scan the QR code in the photo with an android device for more photos. (Photo provided)

Milestones

50 YEARS

Faye Mathews, ATA

40 YEARS

Ronald Bandy, ATA
Ellis Heim, ATA
Samuel Northcutt Jr., ATA

35 YEARS

Larry Wilhite, ATA

30 YEARS

Thomas Allen, ATA
Joan Clark, ATA
Lola Jacob, ATA
Jimmy Prince, ATA
Michael Sain, ATA
Jacky Vincent, ATA
Ronald Wood, ATA

25 YEARS

Sherry Binion, ATA
Clarence Jernigan, ATA
Aaron Jones, ATA

20 YEARS

Beth Baker, ATA
Brian Carnley, AF
Mark Grantham, AF
Vickie May, AF
Jerry Shores, ATA
Artie Smith, ATA
Mike Walton, AF

15 YEARS

Danny Strickland, ATA
Gerald Stone, ATA
Paul Thornton, ATA
Thomas Quatrini, ATA

10 YEARS

David Amonette, ATA
David Compton, ATA
Pat Eagan, ATA
Connie Scott, ATA
Glenn Thomas Jr., ATA
James Wiesen, ATA

5 YEARS

Kristi Farris, ATA
Andrew Gaby, ATA
Ashley Gunn, ATA
Laura Hall, ATA
William Morton, ATA
David Riddle, ATA
Joseph Todd, ATA
Joseph Wortman, ATA

RETIREMENTS

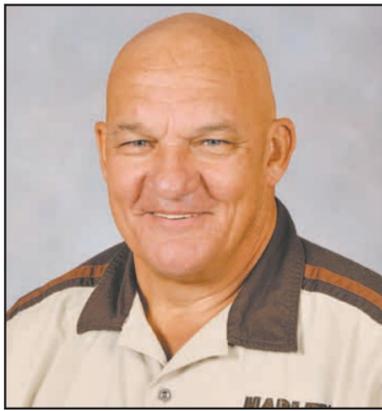
David Eldridge Jr., ATA
Lynn Tate Jr., ATA

NEW HIRES

Gregory Bryant, ATA
Doug Buckman, ATA
Rudy Champion Jr., ATA
Jason Coffelt, ATA
Rachel Garrard, AF
Donald Hart, ATA
Michael Merrill, NAF
Jason Smith, ATA
Troy Stokes, ATA
James Tucker, ATA
Michael Vann, ATA
Roger West, ATA
Greg Williams, ATA
Scott Williams, AF

PROMOTIONS

Russ Roosa, ATA



Ronald Bandy – ATA Mission Support, CE Operations Manager

What is your most memorable AEDC moment during your years of service?
"Too many memories to count – mostly all the great people I wouldn't have met had I not been an employee here for forty, mostly good, years. [I] Came to work for ARO in 1973 as a temporary laborer to clean the bottom of J4 for two weeks and [I've] been here ever since."



Larry Wilhite – ATA Information Technology and Systems, Instrumentation and Controls System Services Design Engineer

What is your most memorable AEDC moment during your years of service?
"Building the C2 FreeJet nozzle position control system with two 12 MHz PCs was memorable. In R1D, re-searching water nozzles with Steve Pearson and Scott Bartlett was the first time I used a feed forward control loop. But the most memorable [moment] was ... when Teresa and I left work early for Manchester and got married. Most of our co-workers figured out what we had in mind because we both had dressed up."



Sammy Northcutt

AF encourages Airmen to be key part of SAPR solution

By Staff Sgt. David Salanitri
Secretary of the AF Public Affairs

WASHINGTON (AFNS) – In an effort to address the growing concern of sexual assault in the Air Force, the service has kicked off an initiative to give Airmen the capability for their voice to be clearly heard called "Every Airman Counts."

"I believe Airmen are a key part of the solution to this," said Maj. Gen. Margaret Woodward, the director of the Air Force Sexual Assault Prevention and Response office. "They understand the problem, and they know what needs to be done to help conquer it. Now we need them to share those innovative ideas with us and each other. We need our Airmen talking about this issue."

To enable this dialogue, the Air Force SAPR office members designed a blog to share ideas, collect suggestions, concerns, stories, and questions for Air Force leaders and SAPR officials. The SAPR blog site asks Airmen to make

inputs on how the service can better combat sexual assault.

"We can't fix this issue sitting in the Pentagon," said Gen. Larry Spencer, the Air Force vice chief of staff. "We need each and every one of you to get engaged in addressing this issue... this crime, and it is a crime. We need to know exactly where you feel the issues are, so we can address them with laser focus. I need every one of you helping us find ways to ensure dignity and respect are prevailing qualities in our daily relationships."

Content on the site will be driven in part by Airmen making firsthand posts. In addition to the blog, the Air Force is organizing web chats that will be moderated forums for real-time information exchange between Airmen, subject matter experts and senior leaders.

Various experts in the SAPR area will host these discussions to gain a better understanding of the issues at every level. "We've been doing a lot of talking on this issue," Woodward said.

"It's important that we listen."

The SAPR blog is just one of many actions the Air Force is pursuing to help address the issues sexual assault within the ranks and to offer support for victims. Other actions include the creation of the Special Victims Counsel program earlier this year, which provides constant support to sexual assault victims throughout the legal process.

Airmen can view the blog and make posts by logging into the Air Force portal with their Defense Department Common Access Card, and clicking on the photo tab titled Every Airman Counts or go to <http://afsapr.dodlive.mil>.

"Every Airman Counts is about you, our Airmen, our most precious resource," Spencer said. "Our strength lies in our people, so we're asking all of our teammates to help us stop sexual assaults now. The American people place great trust and confidence in our military. We cannot and will not violate that trust."

**Arnold Air Force Base
Company Grade Officers Corps
Presents**

**28th Annual
TURKEY
TROT**

5K Run / 1.5 M Walk

November 21, 2013 - 2:30 p.m.

**at Arnold Engineering Development Complex
in front of the A&E building**

**Open to Military, DoD Civilians, All Contractors
and Off-base Participants**

**Registration deadline - Nov. 15
fee - \$20 (includes T-shirt)**
To register call 2nd Lt. Stuart Coston, 454-5854
or 1st Lt. Chance Johnson, 454-5787
signup sheet:
\\52anzw-hc-001v\aedc\Public\Turkey Trot 2013

**Proceeds will benefit local charities including
Operation Stand Down of Nashville
and Tullahoma Good Samaritan.**

Awards and Door Prizes will be given away!

Team Eglin improves Combat Air Force capability

By Chrissy Cuttita
96th Test Wing Public
Affairs

EGLIN AIR FORCE BASE, Fla. – To provide Air Combat Command the best assessment of Maritime Strike Operations, the 53rd Wing partnered with other members of the Team Eglin test community to deliver increased combat capability for the warfighter.

The final phase of the two-year evaluation was a month-long test over the Gulf of Mexico that ended Sept. 6.

“Team Eglin successfully conducted the largest scale of DOD weapons test against small boats in recent history,” said Chris Nixon, 96th Range Support Squadron director who oversees Eglin’s Gulf Range of 120,000 square miles of overwater airspace and 724 square miles of overland space.

The 53rd Wing, headquartered here, tested the combat capabilities of 42 fighter and bomber sorties expending a total of 53 munitions last month in a maritime environment about 15 nautical miles

south of Destin’s coastline. Results from nine aircraft test missions will help the Air Force and its sister services develop joint platform-specific weapons loadouts, tactics, techniques and procedures.

The wing’s 28th Test and Evaluation Squadron oversaw the unique test they said ranked fourth in priority in a list of more than 300 Air Combat Command test missions.

“There are difficulties in finding, tracking and successfully engaging these threats because they provide challenges unique

to the maritime environment,” said Lt. Col. Ben Wysack, the 28th TES’s project manager responsible for the test. “High speed, unconstrained maneuvering and sea surface conditions present difficult circumstances for successful target engagement.”

The 53rd Wing is ACC’s operational test and evaluation organization responsible for the management, execution and reporting of operational test and evaluation activities such as Force Development Evaluations, Operational Utility Evalu-

ations and Tactics Development for all fighters and bombers in the Combat Air Force inventory.

Aircraft charged with the maritime challenge included the A-10, B-1, B-52, F-15 and F-16 from the 53rd Wing which manages units in 17 U.S. locations. Depending on their platform, fighters and bombers were armed with Sniper and Litening Advanced Targeting pods and various combinations of munitions such as laser-guided bombs, Joint Direct Attack Munitions, Maverick air-to-ground missiles,

cluster bombs and 20mm and 300mm high-explosive incendiary ammunition.

“The 85th Test and Evaluation Squadron’s highly experienced F-16 and F-15E crews successfully led 36 of the 42 sorties, expending more than 80 percent of the available munitions,” said Wysack about the 53rd unit that participated in all nine maritime test missions. “Access to their well-maintained aircraft and vast pilot expertise was

See **EGLIN**, page 11

EGLIN from page 9



Aircraft from 85th Test and Evaluation Squadron, like the F-15 featured here in this 2012 Combat Hammer photo, participated in an Air Combat Command high-priority Maritime Strike Operations Tactics Development and Evaluation at Eglin. The squadron's F-15s and F-16s led 36 of the 42 sorties during the final phase of the evaluation that ended Sept. 6, expending more than 80 percent of the available munitions in Eglin's Gulf Test Range. (File photo)

critical to effective and efficient test execution. Without the hard work and dedication of so many at Eglin, this test could not have been conducted as quickly as it was."

The 96th Test Wing's operations, range, civil engineering and maintenance groups' personnel and contracted partners provided a wide variety of distinctive support to ensure the success of this test program.

"The 96th RANSS and its operation and maintenance contractor, InDyne, acquired and prepared 56 marine target boats for static testing (boats with identification numbers, 3D mannequins and radar reflectors at anchor) and 12 remote control targets," said Nixon. "Our personnel modified, pre-tested, deployed and remotely operated the remote control boat targets for the mission."

The 53rd Wing de-

stroyed or damaged 51 of the 56 static target boats and 11 of the 12 remote control boats during the test.

Team Eglin personnel spent more than a year and a half planning test operations, procuring maritime targets and equipment, completing environmental reviews and permits, contracting local boat support, determined mission safety requirements and hazard areas, scheduling missions, and providing weapon and aircraft support, according to the 96th Operations Group.

"This evaluation solidifies what our crew members have already known, 'We can strike surface targets,'" said Lt. Col. Alejandro Gomez, 337th Test and Evaluation Squadron special projects officer. "The knowledge we gain from these events gives combatant commanders assurance we can be called upon to complete

the mission."

The 337th TES, another 53rd unit, tested the capabilities of a B-1B Lancer launched from Dyess AFB, Texas. During the evaluations, the B-1 dropped a total of six munitions to include a laser guided 500-pound bomb GBU-54, as well as 500 and 2,000-pound joint direct attack munitions.

Other 53rd Wing aircrews who took part in the Team Eglin maritime strike test missions included B-52s from the 49th Test and Evaluation Squadron, Barksdale AFB, La.; A-10s from the 422nd Test and Evaluation Squadron, Nellis AFB, Nev., and F-16s from the Air National Guard Air Force Reserve Test Center, Tucson, Ariz.

In the Gulf, 96th Test Wing units positioned an instrumentation barge with cameras and remote control relays, placed boat

targets for each mission, piloted remote controlled high speed target boats. They also provided eight vessels for support. Prior to and after each mission environmental surveys were conducted. The test hazard area was also monitored and kept clear with the aid of 19 boats from the local communities' charter fleet, lessening the burden of the 950 square mile safety cordon placed on the local fisherman.

During flight operations, the 96th TW provided aircraft traffic control, central mission control, radar tracking of aircraft and weapons and unexploded ordnance disposal when needed. After each mission, target boats were retrieved for data analysis, and floating debris in the water was cleaned up by local boats contracted by Jackson Guard.

The 28th TES is responsible for evaluating the large volume of data

collected from flight tests. Once completed, various operational experts will examine data from the maritime strike missions to determine how efficiently they tracked, engaged and destroyed the target.

Then operational testers will develop future joint military tactics, techniques and procedures manuals – something of significant interest from the Office of the Secretary of Defense and Navy counterparts, according to the 53rd Wing.

"Success in these sorts of tests gives our sister services confidence the B-1 can get the effects they need to meet combatant commander requirements both over land and sea," Gomez said.

"The 28th TES, in cooperation with other 53rd Wing units located in Northwest Florida, maximized resource efficiencies and leveraged our

COMBAT HAMMER air-to-ground weapons expertise not only for this test, but for weapons evaluation opportunities in the future," said Wysack.

"Maritime strike is just one of a variety of operations our military tests annually here on Eglin's land and Gulf ranges," said Lt. Col. Peter Vitt, 96th Operations Support Squadron commander. "Each mission is unique and complex so our team of engineers and operators are crucial to ensuring the right support for the operations tested here."

The 96th TW, in partnership with its associate units like the 53rd, is the heart of the team that covers the complete weapon-system life-cycle from concept through development, acquisition, experimental testing, procurement, operational testing and final employment in combat. This synergy is called, "Team Eglin."

F-35A conducts first live fire with AMRAAM

EDWARDS AIR FORCE BASE, Calif. (AFNS) - The F-35 Lightning II executed its first live-fire launch of a guided air-to-air missile over a military test range off the California coast on Oct. 30.

The AIM-120 advanced medium range air-to-air missile (AMRAAM) was fired from an F-35A (AF-6) conventional take-off and landing (CTOL) variant fighter operating from the F-35 Integrated Test Facility at Edwards Air Force Base, Calif.

The test pilot, Air Force Captain Capt. Logan Lamping employed the AIM-120 radar-seeking missile from the F-35's internal weapons bay against an aerial drone target in restricted military sea test range airspace. Test data and observers confirmed the F-35 identified and targeted the drone with its mission systems sensors, passed the target "track" information to the missile, and launched the AIM-120 from the aircraft to engage the target drone. After launch, the missile success-

fully acquired the target and followed an intercept flight profile. Moments before the missile was about to destroy the target, a self-destruct signal was sent to the AIM-120 in order to preserve the aerial drone for use in future tests.

"This successful missile launch marks the first live-fire weapons test and is an initial demonstration of the air-to-air combat capability the F-35 will bring to the U.S. Military and our international partners" said Charlie Wagner, weapons team lead for the F-35 Joint Program Office. "This test represents the culmination of many years of careful planning by combined government and contractor teams. It is one test, with many more to come, to ensure operators will receive the combat capability they need to execute their mission and return home safely."

The AIM-120 AMRAAM (Advanced Medium-Range Air-to-Air Missile) is a radar-guided air-to-air missile and is the U.S. military's standard air intercept missile carried on tactical fighter air-

craft. The AIM-120 is a beyond-visual-range air-to-air missile (BVRAAM) capable of all-weather, day-and-night operations, and is powered by a solid-propellant rocket motor.

The F-35's fire control system programs the missile's internal guidance unit and provides mid-course updates from the aircraft via

a data link to guide the AMRAAM toward its target. The AMRAAM's control section controls the missile in flight using four movable tail fins. As soon as the target is within range, the AMRAAM activates its active radar seeker for autonomous terminal homing.

The F-35A air-to-air missile test occurred the day

after an F-35B variant demonstrated a successful air-to-ground weapons test of a 500-pound Guided Bomb Unit-12 (GBU-12) Paveway II laser-guided bomb over a test range at Edwards Air Force Base on Oct 29.

The F-35 Lightning II is a 5th generation fighter, combining advanced stealth with fighter speed and agil-

ity, fully fused sensor information, network-enabled operations and advanced sustainment. Three distinct variants of the F-35 will replace the A-10 and F-16 for the U.S. Air Force, the F/A-18 for the U.S. Navy, the F/A-18 and AV-8B Harrier for the U.S. Marine Corps, and a variety of fighters for at least 10 other countries.



An F-35A Lightning II executed its first live-fire launch of a guided air-to-air missile over a military test range off the California coast on Oct. 30. (U.S. Air Force photo/Courtesy)

Arnold Golf Course (GC) 454-GOLF, 454-FOOD

Check us out on Facebook! Arnold AFB Services Golf Course

Winter Green Fee Special through February 28, \$10 green fee for unlimited golf. Cart fee not included.

Hot dogs available in the Pro Shop Monday through Friday. These hot-dogs are placed on the roller in the Pro Shop for your convenience. The hotdogs are \$1 each.

Mulligan's Grill is open 10:30 a.m. to 1:30 p.m. Monday through Friday and 8 a.m. to 1 p.m. Saturday and Sunday. Call ahead orders for dine in or carry out, 454-FOOD (3663).

Arnold Lakeside Center (ALC) 454-3350

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

Interested in purchasing tickets from ITT? Stop by Café 100 and meet our ITT representative on Tuesdays and Wednesdays from 10:30 a.m.-1 p.m. Christy will be available to take orders and answer questions as needed.

"3rd Day Free" ticket special offer for Universal Orlando brought to you by ITT (Information, Tickets and Travel) at Arnold Lakeside Center. The 2-Day Base with 3rd Day Free Ticket entitles 1 guest admission to one theme park per day. Ticket is valid for any three calendar days during a 14 consecutive calendar day period which includes the first day any portion of the ticket is used. This ticket also includes 14 consecutive calendar days of admission to the paid entertainment venues of Universal City Walk which commences and includes the first day any portion of the ticket is used. First use of this ticket must be on or before May 9, 2014, to receive full benefit of the ticket entitlements. All ticket usage must be completed on or before May 22, 2014 when the ticket will expire in full. For complete details and to order tickets, call ITT at 454-4003.

Air Force Services Club Membership Drive continues through Dec. 31. Everyone who joins any Air Force club during this time will receive three months free dues, be enrolled in the free cash back rewards program, and receive an instant win scratch off ticket worth \$5-\$100. Existing members who sign up new members are eligible for referral bonuses. For each referral that signs up for club membership, individuals will receive a \$5 coupon good for food that may be used at Café 100 or the Arnold Lakeside Center.

Brushes and Bottles will be held 6-8 p.m. at the GLC Dec. 12. Bring your favorite beverage and get ready to get creative as an instructor will lead you through a canvas painting work of art step-by-step. By the end of the evening you will have your own masterpiece to take home. A different design will be done each month. These painting parties are for all skill levels ages 21 and over with a cost of only \$25 per person. All paint, brushes, aprons, easels, canvas and other necessary materials will be provided. All you have to bring is your beverage of choice. Light snacks will be provided and other beverages will be available for purchase. Deadline to sign up for this event is Dec. 5. Class size is a maximum of 15. Call 454-3350 to sign up or for more information.

Jewelry Fair returns Dec. 12 to Café 100. Arnold Lakeside Center welcomes back Pretty Discoveries for a jewelry fair in the A&E building, Café 100, from 8 a.m. to 2 p.m. All jewelry prices are below \$20 and they also carry belts and handbags.

See BRIEFS, page H2

Arnold Golf Course merchandise sale



The Arnold Golf Course merchandise sale will be held the month of December. Do your Christmas shopping with special discounts ranging from 5 to 30 percent off. Pick out your merchandise then come to the counter and roll a die to determine your discount. You must pay for the merchandise immediately after rolling. Roll a 1 for 5 percent off, 2 for 10 percent off, 3 for 15, 4 for 20, 5 for 25 or 6 for 30 percent off. No double discounts and Members First Plus discount does not apply in conjunction with this offer.

Books Are Fun Returns to Café 100 December 3



Stop by Café 100 from 9:30 a.m.- 3 p.m. for a book fair. Discounted selections include paperbacks, best sellers, educational, reference, cookbooks, children's items, gift selections and more. Save up to 70 percent off retail prices.

New Year's Eve Casino Night returns to Arnold Lakeside Center



Arnold Lakeside Center will host a New Year's Eve Casino Night Dec. 31. This event is for ages 18 and older and gets underway at 6 p.m. Gaming will be from 7-10 p.m. and includes craps, roulette, blackjack and wheel of fortune. Participants are given play money to try their hand at these games to increase their dollars which will then be used at a prize auction beginning at 10:15 p.m. An auctioneer will take bids on items such as hotel stays, gift baskets and much more. There will be a wide variety of items to bid on with your winnings. Then as midnight nears, watch the New York City ball drop countdown on the big screen and raise a champagne toast. The dining room will be open from 6 p.m.-1 a.m. with full menu available.

Children's Christmas Party December 1

The annual Children's Christmas Party will be held from 1-4 p.m., Dec. 1 at the Arnold Lakeside Center (ALC) for ages twelve and under. This event is free and open to all AEDC employees (active duty military, civil service, contractors), National Guard, Reserves, retirees and their immediate families (includes nieces, nephews, and grandchildren). Santa is scheduled to arrive at 2 p.m. along with some of his friends. Santa and Mrs. Claus along with their elves will also be in the Winter Wonderland tent to give out goodies to children age twelve and under. It is important to sign up so the elves bring enough. There will be other activities to enjoy throughout the afternoon. A special Santa Hotline, 454-SNTA (7682), has been setup for children to leave a message for Santa. This number may also be used by parents to register children for the event. Simply press 1 to leave a message or 2 to sign up. Be sure to give your name and specify how many children and how many adults will be attending.

Membership Night December 20

The Arnold Lakeside Center is hosting a membership night from 6-8 p.m. Dec. 20. Menu items include, sliced ham, baby bakers, steamed vegetable medley, rolls and pumpkin pie. Members dine free and the cost for non-members is \$13.95 per person and \$6.95 for children 12 and under. Please call 454-3350 to sign up no later than Dec. 12.

Cold Weather Hiking December 7

Outdoor Recreation will be at Old Stone Fort State Park for a hike in the cold weather. We will be teaching the differences in hiking in warm and cold weather and we will also teach you what gear is essential to cold weather hikes. After brief instructions in equipment and safety we will be taking a short hike along the Native American Burial Trails. The cost is \$5/person and includes transportation to the park. We also welcome those who wish to meet us at the park at no charge. We will depart the Outdoor Recreation building in Arnold Village at 9 a.m. and return approximately 1 p.m. Call 454-6084 for more information or to reserve your spot by Dec. 6.

Children's Craft Class December 7



It's that time of year to decorate the house for winter and Christmas. Arnold Lakeside Center will hold a free craft class for children, 2 to 5 p.m., Dec. 7. Let the ALC staff instruct the kids to make fun, tasty, and cute ornaments for the tree. Children 12 and under are invited to attend. Please reserve your spot by Dec. 2 by calling 454-3350.



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

Services information written and provided by Holly Jones

This Services supplement is published by *The Tullahoma News*, a private firm in no way connected with the U.S. Air Force, under exclusive written contract with Aerospace Testing Alliance (ATA). This supplement is an authorized publication for members of the U.S. military services. Contents of this supplement are not necessarily the views of, or endorsed by, the U.S. Government, the Department of Defense, the Department of the Air Force or ATA. Services is an exclusive area available to all AEDC personnel, active duty, retired military, National Guard, Reserve military and others as approved by the commander. Services activities include Wingo Inn (lodging), Arnold Lakeside Center (Club, Community Center, Information, Tickets & Travel) (ITT), Barber Shop, Café 100), Outdoor Rec (Marina, FamCamp, Crockett Cove, Dogwood Ridge), Golf Course and Fitness Center. Those mentioned above are eligible to use any Services activity during regular operating hours unless it is specified as a "members only" event. Membership is a personal choice. However, only members are entitled to discounts and other benefits associated with membership.

Services Division Phone Numbers

Area code 931 DSN 340
 Services Chief – 454-7779
 Services Deputy – 454-5915
 Community Services Flight Chief – 454-4062
 Arnold Lakeside Center (ALC) – 454-3350
 Arnold Lakeside Center catering – 454-3350
 Café 100 – 454-5885

Membership Information – 454-3367
 Information, Tickets & Travel – 454-4003
 Barber Shop – 454-6987
 Gossick Leadership Center – 454-4003
 Human Resources – 454-5481
 Marketing & Sponsorship – 454-3128
 Recycling – 454-6068

Wingo Inn – 454-3051
 Fitness Center (FC) – 454-6440
 Golf Course (GC) – 454-GOLF (4653)
 Mulligan's Grill - 454-FOOD (3663)
 Outdoor Recreation (ODR) – 454-6084
 includes Marina, FamCamp,
 Crockett Cove &
 Dogwood Ridge

December 2013

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1 ALC Children's Christmas Party, 1-4 p.m. 454-SNTA to sign-up	2 FC Interval Class 6 a.m. FC Yoga 11 a.m.	3 ALC AEDC Woman's Club luncheon ALC Books are Fun Book Fair, Café 100 9:30 a.m.-3 p.m. FC Cycling Class 11 a.m. FC Interval Class 3:30 p.m.	4 FC Interval Class 6 a.m. FC Bench Press Competition, 8 a.m.-4 p.m. ALC Café 100 BBQ lunch special \$6 FC Yoga 11 a.m.	5 FC Interval Class 3:45 p.m. ALC Movie Night "The Wolverine" PG-13 6:30 p.m. dinner available 5-8 p.m.	6 FC Cycling 11 a.m. FC Interval Class 6 a.m. ALC First Friday Jam Night	7 ALC Free Children's Craft Class 2-5 p.m. for ages 12 and under ODR Cold Weather Hike 9 a.m., \$5/person
8 Arnold Golf Course merchandise sale all month long	9 FC Interval Class 6 a.m. FC Yoga 11 a.m.	10 FC Cycling Class 11 a.m. FC Interval Class 3:30 p.m.	11 FC Interval Class 6 a.m. ALC Café 100 BBQ lunch special \$6 FC Yoga 11 a.m. FC Workplace Stress Reduction Info 11 a.m.-12 p.m., Café 100	12 ALC Jewelry Fair 8 a.m.-2 p.m., Café 100 FC Interval Class 3:45 p.m. ALC Movie Night "Percy Jackson: Sea of Monsters" PG 6:30 p.m. dinner available 5-8 p.m. ALC Brushes and Bottles 6-8 p.m., \$25/person 454-3350 to sign up	13 FC Interval Class 6 a.m.	14
	16 FC Interval Class 6 a.m. FC Yoga 11 a.m.	17 FC Cycling Class 11 a.m. FC Interval Class 3:30 p.m.	18 FC Interval Class 6 a.m. ALC Café 100 BBQ lunch special \$6 FC Yoga 11 a.m.	19 FC Interval Class 3:45 p.m. ALC Movie Night- Selection unavailable at time of publication dinner available 5-8 p.m.	20 FC Interval Class 6 a.m. ALC Membership Night, members eat free, \$13.95 non/\$6.95 ages 12 and under	21
22 Air Force Services Club Membership Drive continues through Dec. 31	23 ALC Closed FC Interval Class 6 a.m. FC Yoga 11 a.m.	24 ALC, GC, ODR, Barber Shop, Cafe 100 - CLOSED FC Cycling Class 11 a.m. FC Interval Class 3:30 p.m. FC 8 a.m.-4 p.m. no classes	25 ALC Closed Facilities closed for Christmas	26 ALC Closed FC Interval Class 3:45 p.m. ALC No Thursday movie night FC 8 a.m.-4 p.m. no classes	27 ALC Closed FC Interval Class 6 a.m. FC 8 a.m.-4 p.m. no classes	28 ALC Closed FC 8 a.m.-4 p.m.
	30 FC Interval Class 6 a.m. FC Yoga 11 a.m. FC 8 a.m.-4 p.m. no classes	31 FC Cycling Class 11 a.m. FC Interval Class 3:30 p.m. ALC New Year's Eve Casino Night 7 p.m. for ages 18+ FC 8 a.m.-4 p.m. no classes				

Hours of operation

Arnold Lakeside Center: Catering/Management offices by appointment. Operations Clerk Monday- Friday 7:30 a.m.-4 p.m. Dinner: full menu available Thursday 5-8 p.m., Friday and Saturday 5-9 p.m.; Main Bar Thursday 5-8 p.m., Friday 4-10 p.m. and Saturday 5-9 p.m.; Social Hour Friday 4-6 p.m., Movie Night Thursday 6:30 p.m. **CLOSED Dec. 23-30**
Information, Tickets & Travel (ITT): Tuesday through Friday 10 a.m. – 3 p.m. **CLOSED Nov. 11 and Nov. 28-30**
Café 100: Monday through Friday 6:30 a.m. – 1 p.m. Lunch starting at 10:30 a.m. Nov. 27: 7:30 a.m.-12:30 p.m. **CLOSED Dec. 24, 25, 31 and Jan. 1** **Open Dec. 26-27 and Dec. 30, 7:30 a.m.-12:30 p.m.**
Barber Shop: by appointment – Monday, Tuesday, Thursday & Friday 8 a.m. – 4 p.m. **CLOSED Nov. 11 and Dec. 24-Jan. 2**
GLC (office located at Arnold Lakeside Center): Monday through Friday 7:30 a.m. – 4 p.m. May vary depending on bookings. **CLOSED Dec. 25 and Jan. 1**
Outdoor Rec: Tuesday through Saturday 10 a.m. – 5 p.m. Also open Monday when in conjunction with a holiday weekend. **CLOSED Dec. 24-25 and Dec. 31-Jan. 1**
Fitness Center: Monday-Friday 5 a.m.-7:30p.m.; Saturday 8 a.m.-1 p.m.; Sunday Closed. Nov. 11: Open 5 a.m. - 6p.m., classes as scheduled. Nov. 27: 8 a.m.- 1 p.m., no classes. **CLOSED Dec. 25, OPEN Dec. 26-28 and Dec. 30-31**
Arnold Golf Course: Pro Shop & Driving Range 8 a.m. – 4:30 p.m. Closed during inclement weather. Driving Range open 24 hours with prepurchased key card. Mulligan's Grill Monday through Friday 10:30 a.m. – 1:30 p.m., Saturday and Sunday 8 a.m. – 1 p.m. **CLOSED Dec. 24, 25, 31 and Jan. 1**
Recycling: Monday through Friday 6 a.m. – 2:30 p.m. **CLOSED Dec. 25 and Jan. 1**
Wingo Inn: Monday through Friday 7 a.m. – 6 p.m., Saturday and Sunday 8 a.m. – 4 p.m. **CLOSED Dec. 25**
Nonappropriated Funds Human Resources: Monday through Friday 7:30 a.m. – 4 p.m. **CLOSED Dec. 25 and Jan. 1**

BX/Commissary customer eligibility

AEDC government civilian and AEDC contractor employees have access to the following limited items at the base exchange (BX): consumable items including toiletries and over-the-counter pharmaceuticals, food items such as candy, chips, little meal items, hot dogs and soft drinks. Alcohol and cigarettes are not included as consumable items. However, only active duty and retired uniformed services personnel and their dependents are eligible to use the base commissary next to the BX. The commissary hours of operation: Tuesday, Wednesday and Friday 9 a.m.-5:30 p.m., Thursday 9 a.m.-6:30 p.m. and Saturday 8 a.m.-4:30 p.m. The BX hours of operation: Tuesday through Friday 9 a.m.-5:30 p.m., and Saturday 8 a.m.-4:30 p.m. For more information contact Christopher Floden, BX manager, at (931) 454-7153 or Patrick Jordan, Commissary manager, at (931) 454-5921.

AAFES Dividends

Dividends generated from the Army and Air Force Exchange Service (AAFES) overall earnings are a major contributor to Services nonappropriated fund (NAF) construction and renovation projects as well as equipment purchases. Services would like to thank all AAFES customers for their support. Dividends received for October 2013 totaled \$4,873.42.

BRIEFS from page H1

Barber Shop is located in the A&E Building in room A107 and is open Monday, Tuesday, Thursday and Friday from 8 a.m. to 4 p.m. Haircuts are \$8 and are by appointment. Call 454-6987.

BBQ Special every Wednesday in Café 100. For \$6 enjoy pulled pork bbq sandwich with slaw, choice of chips or potato salad and soda/tea.

Café 100 Soup of the Day. Warm up with one of our daily soup selections.

Monday: Chicken Noodle
 Tuesday: Loaded Baked Potato
 Wednesday: Broccoli Cheddar
 Thursday: Vegetable Barley Beef
 Friday: Tomato

Fitness Center
 454-6440

Check us out on Face-

book! Arnold AFB Services Fitness Center

Workplace Stress Reduction Information sponsored by the Fitness Center in Café 100 Dec. 11. Stop by the café and let the FC staff share their tips on reducing stressors related to normal daily work situations and exercise instructions that will assist in reducing stress in the workplace. Information and demonstrations

will be available from 11 a.m. to 12 p.m.

Group Class Schedule: (for eligible users only)
 Cycling: Tuesday and Thursday 11a.m.-12 p.m.
 Yoga: Monday and Wednesday 11 a.m.-12 p.m.
 Interval/Circuit Training: Monday, Wednesday and Friday 6-7 a.m. Tuesday and Thursday 3:30-4:30 p.m.

Bench Press Competition held at Fitness Center December 4. The Fitness Center challenges you to a Bench Press Competition, to be held on Dec. 4 from 8 a.m. to 4 p.m. The best of three lifts will be documented, and winners will be determined by highest percent of bodyweight lifted. T-shirts will be awarded to top three places in men's and women's category. Call 454-6440 to sign-up.

Outdoor Rec (ODR)
 454-6084

Check us out on Facebook! Arnold AFB Services Outdoor Recreation

Did you know ODR now has disc golf? Disc golf is a flying disc game in which individual players throw a flying disc at

See BRIEFS, page H3

Café 100
 454-5885

BRIEFS from page H2

a target. Much like golf, the object of the game is to traverse a course from beginning to end in the fewest number of throws of the disc. The ODR course targets are portable so course location may change. Initial plans are to begin in the softball outfield behind the ODR building. Players may play for free with their own discs or rent discs from ODR for \$1 each. There are different sizes and weights of discs much like different clubs in golf to better serve the needs of the target desired. For more information on disc golf call ODR at 454-6084.

Winter Rates now available at FamCamp. RV sites at FamCamp will be \$12 per night, and \$300 per month, and tent sites will be \$4 per night. These rates will continue through May 1.

Introduction to Winter Camping class starts on the afternoon of Dec. 13 and lasting through the morning of Dec. 14. This class will teach setting up camp for those cold winter nights, keeping a safe campfire throughout the night, winter camp fire treats, winter camp fire foods and proper teardown the next morning. We will enjoy campfire treats including, s'mores, fire roasted hot dogs, and stories throughout the evening. We will also be teaching how to make easy to carry snacks for hiking or fishing while on a fall outing. Cost is \$10 and you must sign up by Dec. 13 by calling 454-6084. Keep in mind, ODR has a limited number of tents available for rent.

Outdoor Rec inflatables! There is an assortment of inflatables for almost everyone's needs.

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

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

Reservation Policy: FamCamp, Crockett Cove and Dogwood Ridge reservations may be made 45 days in advance for active duty and reserve military, 40 days for retired military, and 30 days for all other qualified personnel. Boat reservations may be made 15 days in advance for active duty and 10 days for other eligible individuals. All reservations are made through the Outdoor Recreation by stopping by or calling

454-6084.

**Wingo Inn
454-3051**

Check us out on Facebook! Arnold AFB Services Wingo Inn

Reservations for Wingo Inn can be made 120 days in advance. Room rates start at \$56.00 per night. Please call 454-3051 for reservations.

**Gossick Leadership Center
454-4003**

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

The Gossick Leadership

Center (GLC) may be used for events such as meetings, conferences, luncheons, dinners, etc. and is booked through the Services Conference Center Manager (CCM) up to one year in advance. Requests must be made in writing by email to arnold.glc@arnold.af.mil. All event coordinators are required to sign an agreement. Official unit functions are authorized at no charge and are defined as bona fide official meetings or training held as part of the normal duty day. Unofficial and private functions may be held for authorized users at a fee. Community members may host events with the approval of the Services Director for a fee. Outside food and beverages are not allowed. First consideration must be

given to Arnold Lakeside Center. In the event they cannot accommodate, an outside source may be utilized with CCM approval. For more information contact the CCM at 454-4003.

**AEDC Woman's Club
393-2552**

The agenda for the Tuesday, Dec. 3 meeting of the AEDC Woman's Club will be The Christmas Boutique. Beautiful & interesting items will be for sale. Come join us and shop.

The Christmas Program will be Christmas music. Erica Wonder, daughter of Anne & Frank Wonder, and granddaughter of Beverly Pratt, all of Tullahoma will be di-

recting the music group from Coffee County High School Chorus. Erica will also be singing with the choir. The Social Hour of the meeting starts at 9:30 a.m. at Arnold Lakeside Center, with the business meeting and program at 10 a.m. Hope to see you there! Reservations and cancellations for the Dec. 3 meeting must be made no later than noon Nov. 26. You may make reservations or cancellations by contacting Liz Jolliffe at 393-2552 or jajolliffe@aol.com; or Jane Ricci at 636-4152 or dickanjane@comcast.net.

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

December Movie Schedule

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



Dec. 5 - "The Wolverine," rated PG-13 (2 hr. 6 min.) starring Hugh Jackman, Will Yun Lee and Tao Okamoto. When Wolverine is summoned to Japan by an old acquaintance, he is embroiled in a conflict that forces him to confront his own demons.

Dec. 5



Dec. 12



Dec. 12 - "Battle of the Year," rated PG-13 (1 hr. 50 min.) starring Josh Holloway, Laz Alonso and Josh Peck. Battle of the Year attracts all the best teams from around the world, but the Americans haven't won in fifteen years. Dante enlists Blake to assemble a team of the best dancers and bring the trophy back to America where it started.

Dec. 19 - "The Mortal Instruments: City of Bones," rated PG-13 (2 hr. 10 min.) starring Lily Collins, Jamie Campbell Bower and Robert Sheehan. When her mother disappears, Clary Fray learns that she descends from a line of warriors who protect our world from demons. She joins forces with others like her and heads into a dangerous alternate New York called

Dec. 19



Dec. 26 - NO THURSDAY MOVIE

The movie "Percy Jackson: Sea of Monsters" has been delayed again and rescheduled for January.



Movies are shown at the Arnold Lakeside Center

The Services insert to the High Mach is designed to inform our customers of events and specials in Services activities. All program dates, times and prices are subject to change.

The Green Scene
brought to you by Services Recycling Program

DID YOU KNOW . . . Costs per ton of trash: \$30 recycle, \$50 landfill, \$65-\$75 incinerate

About 80,000,000 Hershey's Kisses are wrapped each day - that's almost 40 football fields of aluminum foil. All that foil is recyclable!

It takes 500,000 trees to produce each week's Sunday newspapers.

It takes twice as much energy to incinerate plastic than to recycle it.

Recycling one aluminum can saves enough energy to run a tv for 3 hours or the equivalent of a 1/2 gallon of gasoline.

A modern glass bottle would take over 4,000 years to decompose.



Thank You from **The Green Team**
Robbie Evans (manager), Doug Richards, Jenifer Garner
931-454-6068

Please Recycle



US AIR FORCE

Win The War
Against Waste

**DON'T
FORGET
TO FEED
THE BIN!**

