



HIGH MACH

Serving the World's Premier Flight Simulation Test Complex



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AEDC site of choice for unique T-6 Texan II engine test

By Philip Lorenz III
Aerospace Testing Alliance

AEDC is the site of choice for a unique engine test currently underway in the Complex's Sea Level 1 (SL-1) test cell.

The Pratt & Whitney Canada PT6A-68 turboprop undergoing testing at AEDC powers the Texan II that is used by the U.S. Air Force for basic pilot training and the U.S. Navy for primary and intermediate joint Naval Flight Officer and Air Force combat systems officer training.

When asked why the Air Force Life Cycle Management Center's Propulsion Directorate decided to bring the PT6A-68 turboprop engine to AEDC for a nine to 10-month Accelerated Mission Testing (AMT), Hugo Heyns, Air Force Life Cycle Management Center's Propulsion Directorate, Propulsion Acquisition Division PT6 Integrated Product Team lead, said the answer is simple.

"The PT6 Integrated Product Team, in concert with the JPATS System Program Director, determined that an AMT would provide an early understanding of engine failures allowing time to address them before they affect the fleet, thereby assuring continued success of the PT6 engine,"



The Pratt & Whitney Canada PT6A-68 turboprop engine installed in AEDC's SL-1 test cell includes a special shroud to provide a simulated flight environment for the propeller. Without the shroud the propeller would create a pulse every time the blade passes at the closest point to the bottom of the test cell. (Photo by Rick Goodfriend)

he said. "Further, that the program would be better served with an AMT conducted by an accurate and objective test facility with extensive aircraft engine testing experience. The U.S. Air Force's AEDC clearly fits that description."

This is the first time a T-6 Texan II engine has undergone an Accelerated Mission Test (AMT) at AEDC's SL-1 test cell. The test represents a number of other firsts, including the first use of a propeller for loading the engine.

"This test is the first project where ATA has been contracted to provide maintenance and inspection services in addition to the installation and operation of the engine and support systems," said Brian Knack, a turbine engine project manager with AEDC's Aeropropulsion Branch. "We're also doing a dynamic analysis on the rear of the engine - the auxiliary gear box. We're trying to define the vibration modes at the rear of the engine where some parts have been failing in the field. Even though the engine is lightly instrumented, we will be measuring a number of performance parameters, including vibration, fuel flow, airflow and trending engine speeds.

"We'll be relying on the engine parameters that are within the engine control that we're going to be reading in addition to some test cell measurements that we'll be making."

Further, Knack said, "This test is an en-

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Cruise-In 2013: Fast but not too furious



AEDC's Cruise-In 2013 was a 45-vehicle showcase of personnel's hotrods, muscle cars, classics and more. (Photo by Jacqueline Cowan)

See additional photos on page 7

PAE enters into agreement to acquire CSC Applied Technology Division

ARLINGTON, Va. - PAE, a leading provider of global mission services, announced that it has entered into a definitive stock purchase agreement with Computer Sciences Corporation (NYSE: CSC), to purchase its Applied Technology Division (ATD). The transaction is expected to close in the summer of 2013.

"The Applied Technology Division has a long and distinguished heritage of providing quality services to the U.S. Department of Defense, NASA and other government customers," said PAE President Mike Dignam. "This acquisition is in line with our strategy to expand PAE's strong portfolio by adding companies with proven capabilities and a customer-focused workforce culture. We look forward to working with the Applied Technology Division as we together address the opportunities in today's dynamic market."

The Applied Technology Division is comprised of approximately 5,400 employees who provide aviation maintenance, base operations and maintenance, test and training range, and space range support at critical U.S. government installations.

The acquisition of the ATD will introduce military and space testing and training services as a new capability in PAE's portfolio, and will significantly increase the number of PAE clients in the federal services market.

PAE is a leading provider of global mission services to the U.S. Government and its allied partners. For over 50 years, PAE has provided training, logistics, and operations and maintenance services to support complex missions for customers around the world. PAE currently employs approximately 10,000 people in more than 60 countries and is headquartered in Arlington, Va.

CSC is a member of the ATA joint venture company. ATD was included in CSC's portion of the ATA Joint Venture. Headquartered in Falls Church, Va., CSC is a multinational corporation which provides information technology services and professional services.

911 Dispatcher Terri Rigney receives award

By Consetta Woosley
AEDC Contributing Writer

You may not recall what happened during your work shift June 9, 2012, but Coffee County Emergency Medical Services (EMS) dispatcher and AEDC fire dispatcher, Terri Rigney, will never forget it. Rigney was part of a Coffee County EMS team that was recently awarded the EMS Star of Life for their part in saving the life of a nine-year-old girl that went into cardiac arrest on June 9, 2012.

Rigney says, "I was working at Coffee County EMS on June 9, 2012, and received a 911 phone call at change of shift from a mother in despair. Her nine-year-old daughter had been swimming in the pool and got out of the pool and collapsed and was non-responsive."

Rigney, a 30-year veteran of dispatching, remained calm and dispatched the sheriff's department and talked the mother through cardiopulmonary resuscitation (CPR) until the paramedics arrived.

Rigney also dispatched an air evacuation team and the girl was transported directly from the ambulance to the helicopter and then taken to Vanderbilt Hospital.

After further examination it was determined the little girl suffered from a rare genetic heart disease and received a transplant in January 2013 and is doing great.

Rigney and other members of the Coffee County EMS team met the little girl May 23 when they were presented the EMS Star of Life, an award to honor the accomplishments of EMS personnel from all regions of Tennessee who provide exemplary life-saving care to adult

and pediatric patients.

Daryl Vancise, Deputy Chief of Fire & Emergency Services, said of Rigney's award, "We are extremely proud of Terri's accomplishments and the recognition she's received, and also for the professional service she provides to the AEDC community. Terri is an experienced and dedicated dispatcher and is a valuable asset to the AEDC Fire & Emergency Services organization."

When asked about being part of the team that saved the little girl's life, Rigney said, "It's part of the job. 911 works the way it is supposed to when you do what you're supposed to do the way you are trained."

Rigney has definitely had her share of

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HIGH MACH

Arnold Engineering Development Complex
An Air Force Materiel Command Test Complex

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Core Values

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



Vision

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

Core Values

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

Consider the incentives

Commentary by Adam Tupis
Aerospace Testing Alliance

From day to day, incentives drive every action we make. What is the incentive for drinking a cup of coffee? Coffee helps keep you alert. What is the incentive for hunting? Hunting can be fun and provides food. What is the incentive for pulling a prank on your boss? To get a great laugh or to pay him/her back for that well planned April Fool's Day joke. (Disclaimer: This is not a recommendation to prank your boss.)

Incentives continually mold our actions and our behavior.

Take a moment to think about your family. Think about your parents, spouse, siblings, children, cousins and even your close friends whom you consider to be family. Picture the people you love most in this world. Those family members you now see are your incentive. They

are your incentive to stay healthy and to stay alive.

When I do any activity that is slightly dangerous, I envision my family and remind myself to be as safe as possible.

On Memorial Day, I went cliff jumping with a close friend of mine. My overwhelming incentive to jump was the pure rush of adrenaline and excitement. I was on top of a 25 to 35-foot cliff and ready to jump. At that moment, I thought of

my mom scolding me for doing something similar when I was younger. That thought made me remember to check the water before jumping in. I'm lucky that I did.

There was a jagged rock six-feet under the water right where my friend and I were planning to jump. We changed locations and found a suitable place to partake in our adrenaline rush. We had a great time and no one was hurt due to my incentive to always think of my family before doing something dangerous.



How \$19.99 saved my life

Commentary by Master Sgt. Daniel Donnelly
51st Logistics Readiness Squadron

OSAN AIR BASE, South Korea (AFNS) – What's your life worth? One-million dollars? Maybe a few hundred thousand? What if I told you something that cost me \$19.99 saved my life?

Two years ago, I paid \$19.99 for a bicycle helmet and recently its value has surpassed its cost. I was doing what a lot of us at Osan Air Base do – riding my bike. I went to work, to the gym and then rode home to my off-base residence.

On this day, at about 2 p.m., the sun was shining brightly as I came across a busy downtown intersection. The green cross light was counting down and I had about five seconds to cross the street. I made it across safely, but was going so

fast that I lost control of my bicycle.

Everything happened so fast. I swerved left to miss a person. Then, I went to the right around a bus bench, but despite every effort to avoid all the hazards, my left handle bar clipped a light pole. Striking the pole caused me to fly over my handle bars and land on the ground where I hit my right temple.

I hit the ground so hard I blacked out. When I woke up I started checking my limbs and looking for blood. I had road rash here and there from the fall, but I didn't feel I had any broken bones.

Then, I took off my helmet and found it broken in two, right near my temple. This is the point where I realized just how important

safety gear is, and how much it's worth.

Some people think it's a waste to spend money on safety gear and I have to be honest, I was one of them. This experience taught me that spending a few dollars now could save a lot of pain and suffering later.

Applying some operational risk management to the situation made me realize I would still be wearing that helmet, but I would have waited for the next green light rather than hurrying across the street. Looking at the same traffic light now, I realize there was a lot going on and there were a lot of potential hazards.

On the day of my accident, had I scanned the area a little better and taken a little extra time thinking of what could happen, I would have made a different choice.

Change: Only fools sit around wishing for good old days

Commentary by Chief Master Sgt. William Harrington
31st Logistics Readiness Squadron

AVIANO AIR BASE, Italy (AFNS) – I was recently sitting on my uncle's porch in Compton, Calif., talking with him about the Air Force and the Los Angeles Lakers when my uncle began playing Al Green on a new stereo system he had just purchased.

As we reminisced, I asked my Uncle James, "What happened to the old days when you played your albums and 45s?"

My uncle looked at me and said, "Only a fool sits around and wishes for the old days."

He went on to further explain. "Things are constantly changing and to remain relevant all of us must be willing to change," he said.

So I ask you, how many times have you heard about the "Old Air Force"? When I joined the Air Force in the old days, it seemed as if we had unlimited dollars

and numerous personnel. I can remember hot seating – sharing a desk with three other Airmen. There were unlimited resources and more than enough personnel to accomplish the mission in the good old days.

Our nation has changed, our Air Force has changed, our enemies have changed, and the way we train and fight has changed. We must change or change will be forced upon us. Due to budgetary constraints and personnel reductions, our Air Force leaders have been forced to make some tough calls. Leaders at all levels are being forced to look at better and more efficient ways to accomplish the mission. The good old days are gone forever.

My uncle used the word "fool" but he didn't use in a disrespectful or demeaning way. What he meant was, life is meant to be lived look-

ing forward. The same can be said about our great Air Force. If we are to remain the world's greatest fighting force we must continue to look forward. We must continue to develop and leverage leading edge technology. More importantly, we must continue to develop and educate our officer and enlisted forces. It is the great minds of individuals like you who will continue to move our great Air Force forward.

We can't ever begin to think what worked yesterday will work tomorrow. The victories of yesterday do not guarantee easy wins tomorrow. We can't get caught up living, wishing, hoping for the good old days. We must stay in front of the enemy. We must continue to pursue and destroy those whose aim is to harm our way of life.

We need current and future leaders like you to continue to push our Air Force into the future. The good days are just that: good and old.

'Rebluing': Why do we say that?

Commentary by Chief Master Sgt. Donald Felch
Training and Education Center

MCGHEE TYSON AIR NATIONAL GUARD BASE, Tenn. (AFNS) – Since shortly after its birth as a separate service, American Airmen have worn the color blue.

Blue represents the sky above earth; a medium the Air Force first aimed to conquer. Blue in our uniforms, in our shield and in our official symbol is also commonly connected to loyalty and courage. Airmen have shown loyalty and courage in every significant conflict since the dawn of flight and continue doing so today.

Air Force blue begins entering our lives in basic military training. We learn about being Airmen. We share common experiences, learn attention to detail and become eager to dedicate ourselves to the mission. We are forged in the furnaces before proceeding to technical training where we learn a skill. Our instructors teach us the professional standards we need to follow in our specific career fields. Here, we are shaped and polished. When we report to our first assignment we are "blue". Our blue is strong, straight and true. We have become weapons of our nation – weapons of the highest quality and accuracy.

As we go about our daily lives, on and off duty, in and out of uniform, we face challenges, weather storms, experience occasional failures and meet with other forms of adversity. We listen to others complain. We grow tired of facing the same obstacles at every turn. Sometimes we run across situations we haven't been trained to handle and get discouraged. Since we are human, these things

can wear away at our blue. They can make us dull. As with any weapon or tool, constant use without periodic maintenance can lower effectiveness. Airmen are no different.

Bluing is a process often used by gun manufacturers, gunsmiths and gun owners to improve the cosmetic appearance of, and provide corrosion resistance to, firearms, according to Walter J. Howe in his 1946 book, "Professional Gunsmithing". All blued parts still need to be properly oiled to prevent rust.

Professional military education (PME) is a rebluing process for Airmen.

In the course of our studies, activities, and even social events, we improve our cosmetic appearance – reminding one another about the proper wear of the uniform and the importance of a professional image. We obtain corrosion resistance as we discuss the core values and the NCO and senior NCO responsibilities. We reaffirm our collective dedication to professional standards. This reaffirmation defends us from cynicism, negative thoughts and griping. Just as it does with worn firearms, our rebluing process returns us to the highest quality and accuracy.

In Air Force PME, the rebluing process serves exactly the same purpose it serves with any worn weapon. It improves cosmetic appearance, prevents corrosion and improves overall functionality.

When America takes up arms to defend herself against those who would destroy our way of life, her aim is straight and true because as Airmen, we remain blue.

However, it's still great to think about those times. I plan to go home tonight and listen to my Motown oldies music. With all the changes and budgetary constraints, I must admit I still love my Air Force. These are the best of days for our Air Force, despite some of the challenges.

When you find yourself thinking about the good old days, just remember we have to be better today than we

were yesterday. The good old days were great, today is even better and tomorrow will be better still.

Let's continue to be innovative during these difficult and trying times. Our nation and way of living is counting on all of us to continue to look forward and not live in the past. No matter how difficult or challenging the times, our goal and focus must always be forward.

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

Smoking Policy

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

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

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

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

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

AIAA Tennessee Section presents awards to local engineers



Professor Haoxiang Luo (center) receives the General H. H. Arnold Award in recognition of his outstanding contributions toward advancing the state of the art of the aerodynamic and astronautical sciences from Joe Wehrmeyer (right), chairperson of the American Institute of Aeronautics and Astronautics (AIAA) Tennessee Section 2013 Awards Committee, along with AEDC Commander Col. Raymond Toth. (Photos by Rick Goodfriend)



Elijah Minter (center) receives an AIAA Special Award for excellence in developing technological solutions in support of the modernization of the PWT 16T facility and the Cryogenic Capability Sustainment Program from his nominator Maj. Christopher Nunez (right) along with AEDC Commander Col. Raymond Toth.



Ryan Glasby (right) receives the Young Professional Award for excellence in applying computational tools to evaluate arc heater electromagnetic fields from nominator Tracy Donegan (center) along with AEDC Commander Col. Raymond Toth.



Michel Akiki (right), a UTISI PhD student, receives an AIAA Special Award for outstanding research, mentorship, service, outreach and support in the field of high speed chemical propulsion from nominator Professor Joe Majdalani (center) of the University of Tennessee Space Institute (UTSI) along with AEDC Commander Col. Raymond Toth.



Robin Midgitt (right) of Vanderbilt's Mechanical Engineering Department is congratulated by AEDC Commander Col. Raymond Toth after receiving an AIAA Special Award for outstanding mentoring of the Vanderbilt Aerospace Club.

Professor Joe Majdalani (center) of UTSI receives an AIAA Special Award for outstanding graduate student mentorship from nominator Roy Schulz (right) along with AEDC Commander Col. Raymond Toth.



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duration test on the PT6A-68 engine. It's an overhauled engine – it's not a new engine. We're evaluating the durability of the engine through its second overhaul interval. We'll be putting a whole overhaul interval's worth of test life on this engine during this test."

Lt. Sam Stephens, AEDC's project manager over the test, said, "Primarily, we're continuing this pacer engine's life at an expedited rate. This engine is going to have about twice the [flight] hours as any other PT6 in the T-6 trainer fleet. Maintenance and durability is our primary concern [with this engine]."

During the nine to 10 months of testing, the PT6A-68 will be subjected to the number of Total Accumulated Cycles (TACs) an engine would experience in flight between depot overhaul periods. TAC is a unit of measurement for major rotating engine components tracked during an engine's operational life.

Heyns said, "The PT6 AMT is

intended to provide visibility into the future of the Joint Primary Aircraft Trainer System (JPATS) program engine fleet, identifying and defining issues of concern which may have impact on the fleet in sufficient time to take preventative and/or corrective actions before actual impact to the fleet's availability."

The PT6 engine is a derivative of a commercial engine with significant operational history in a wide variety of applications – the engine was selected, in part, because of this history.

Considering the JPATS mission is somewhat different than many of the engines other applications, initial engine modifications were used to address them.

Heyns said, "For example, the JPATS need for inverted flight demanded oil systems modifications to assure continued oil flow during inverted flight. Program engineers have also identified possible sources of future failures – and will use the AMT to study them in more detail."



The Arc Heater Technology Development Team display their AIAA Special Award for outstanding contributions to the advancement of arc heater test facility technology in the areas of high heat flux and mid-pressure arc heater technology development with AEDC Commander Col. Raymond Toth (left). Team members shown left to right are Joe Sheeley, Jeff Stewart and D. Mark Smith.



The B61 Modeling and Simulation Team receive the Billy J. Griffith Engineering Analysis Award for development and implementation of advanced computational tools for the B61-12 Life Extension Program. Shown left to right are AEDC Commander Col. Raymond Toth, Bill Baker (team nominator), and team members Clark Lawrence, Brian Binkley (AF Team Leader), Scott Keen (ATA Team Leader), Jim Masters and Chuck Morgret. Team members not present include Cindy Prebola, Mark Smith and Moufid Aboulmouna.



Before testing can begin at AEDC's SL-1 test cell, Chris Rogers, an AEDC engineer, conducts a borescope inspection of the PT6 engine that powers the T-6 Texan II trainer aircraft. (Photo by Rick Goodfriend)



The Space Threat Assessment Testbed (STAT) Investments Team displays their AIAA Special Award for development of the STAT with AEDC Commander Col. Raymond Toth (left). Team members shown left to right are Nikki Tracey, John Prebola, Bob Lindeman, Keith Holt, Jenny Conry, Carrie McInturff and Marc Smotherman.

F-35A completes its first in-flight missile launch

EDWARDS AIR FORCE BASE, Calif. (AFNS) – An F-35A conventional takeoff and landing aircraft completed the first in-flight missile launch of an AIM-120 over the Point Mugu Sea Test Range, June 5.

It was the first launch where the F-35 and AIM-120 demonstrated a successful launch-to-eject communications sequence and fired the rocket motor after launch – paving the way for targeted launches in support of the Block 2B fleet release capability later this year.

The Air Force F-35A variant has seen significant development in training and operations recently including the beginning of pilot training at Eglin Air Force Base, Fla., the delivery of the first operational test aircraft to Edwards and Nellis Air Force Base, Nev., the first operational aerial refueling and the completion

of high angle of attack testing.

“It’s a testament to the entire military-industry test team,” said Lt. Col. George “Boxer” Schwartz, F-35 Integrated Test Force director, who also piloted the flight. “They’ve worked thousands and thousands of hours to get to the point where we are today. It’s fantastic to see that it’s all paid off. We’re rolling into a lot of additional weapons work in the coming months to put that expanded capability on the aircraft.”

The F-35A 5th Generation fighter is designed to carry a payload of up to 18,000 pounds using 10 weapon stations. The F-35A features four internal weapon stations located in two weapon bays to maximize stealth capability. The CTOL aircraft can also utilize an additional three external weapon stations per wing if required.

The U.S. Air Force has established an F-35A ini-

tial operating capability target date of December 2016. By this date, the Air Force will have fielded an operational squadron with at least 12 aircraft along with Airmen trained and equipped to conduct basic close air support, interdiction and limited suppression, and destruction of enemy air defense operations in a contested environment.

Moving into the active phase of weapons test is another large step toward delivering Block 2B software capability that will enable initial combat deployment.

“We’ve spent years working on the design of the aircraft, and many months ensuring that weapons could be contained within the aircraft and dropped as designed,” said Charlie Wagner, F-35 weapons director. “This event is the result of tremendous effort and collaboration in the F-35 Enterprise, and marks a turning

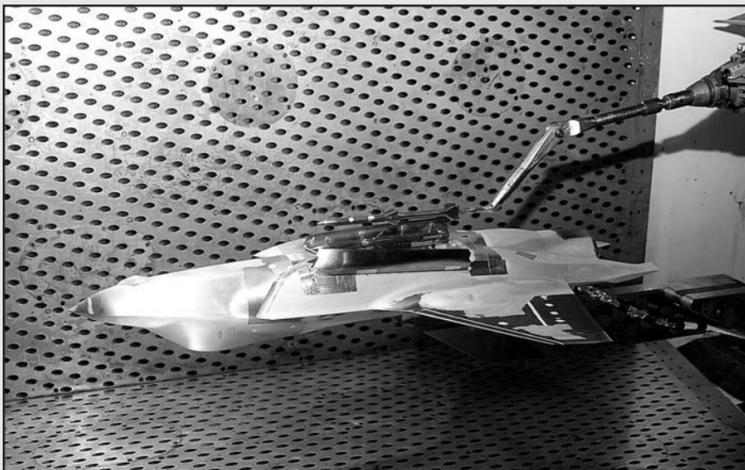
point in F-35 capabilities; the AIM-120 launch is one small but critical increment toward proving combat capability.”

The 5th generation F-35 Lightning II combines ad-

vanced stealth with fighter speed and agility, 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 other countries.

Separation is best



An AIM-120 advanced medium-range air-to-air tactical missile (AMRAAM) model is mounted on a 15 percent F-35 Joint Strike Fighter model for a store separation test conducted in AEDC's 4-foot transonic wind tunnel. (AEDC 2005 file photo)

STEM supported CyberPatriot team ranked 1st in Tennessee

By Raquel March
ATA Public Affairs

The Coffee County Central High School (CCCHS) Air Force Junior ROTC CyberPatriot team recently visited AEDC where they were recognized by the Air Force Association (AFA) for finishing first among six other teams in the state.

Claude Morse, president of the Gen. H.H. Arnold AFA Chapter, presented the recognition to the team while AEDC Commander Col. Raymond Toth congratulated them on their accomplishment. AEDC's Science, Technology, Engineering and Mathematics (STEM)

coordinator provided sponsorship for the team and AEDC employees Michael Glennon and Cameron Liner were the team's coaches.

The team participated in two competitions beginning last November and in February 2013.

Liner spoke of the team's experiences saying, "They understood that it is good practice to install virus protection on their home computers but they lacked an understanding of the active attacks against them and our nation as a whole."

Teams were prompted with different scenarios to identify and defend against vulnerabilities in computer

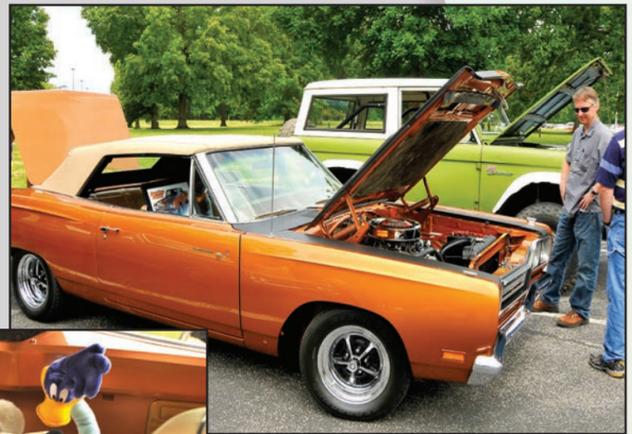
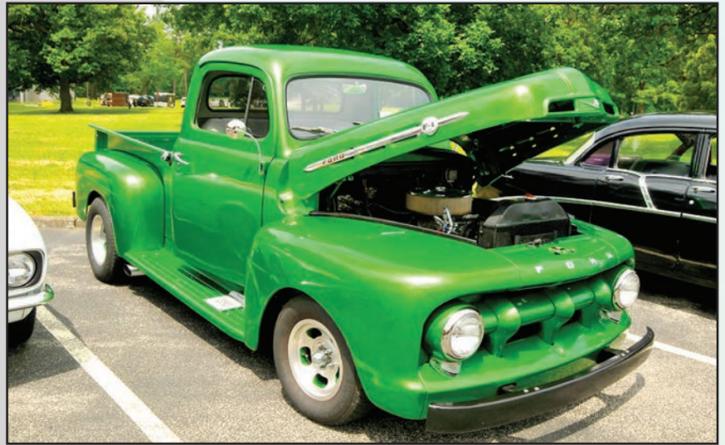
operating systems. CCCHS CyberPatriot team registered to compete in next year's CyberPatriot VI.

CyberPatriot is the premiere national high school cyber defense competition created by the AFA to inspire high school students toward careers in cybersecurity or other STEM disciplines. The Northrop Grumman Foundation is the sponsor for the program. The organizations founding partners are the Science Applications International Corporation (SAIC) and the Center for Infrastructure Assurance and Security (CIAS) at the University of Texas-San Antonio.



AEDC Commander Col. Raymond Toth (right) congratulates the Coffee County Central High School (CCCHS) AFJROTC CyberPatriot team on their recognition from the Air Force Association for finishing first in the state. Pictured here left to right is Dalton Camron, Samuel West, CCCHS AFJROTC Senior Aerospace Science Instructor Lt. Col. Phillip Bailey, Gen. H.H. Arnold AFA Chapter President Claude Morse, Steven Messick and Clayton Whitt. (Photo by Rick Goodfriend)

2013 AEDC CRUISE-IN



Award fee announced for AEDC contractor

By Raquel March
ATA Public Affairs

The Air Force announced an award fee rating of 91 for AEDC's operating contractor, ATA, for the period Oct. 1, 2012 through March 31, 2013.

In a note to the workforce, ATA General Manager Steve Pearson said, "Congratulations on earning an award fee score of 91 for Period 19. Your performance is the reason we earned an excellent overall rating."

Pearson said the com-

pany will continue to share the award fee money with employees in accordance with its policies.

ATA was awarded the center support and testing contract on June 30, 2003. The operating contract is for up to 12 years and worth potentially \$2.7 billion.

ATA is a joint venture of Jacobs Engineering, Computer Sciences Corp. and General Physics Corp.

For more information about AEDC and ATA, visit the center's Web site at www.arnold.af.mil.

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training including being CPR certified, a licensed Emergency Medical Technician (EMT), a certified Emergency Medical Dispatcher (EMD) and a state licensed EMD as well.

Rigney truly enjoys her work and has always maintained two jobs as a dispatcher during her 30-year career. Rigney says, "Most people work to live but I live to work." For the last two years, Rigney has worked as a dispatcher for Coffee County EMS along with working as dispatcher for AEDC's fire department.

With family ties to AEDC, Rigney has always kept a career at AEDC in her mind, "I've always wanted to work here at Arnold AFB. My dad, Wayne Rigney, retired from here after 40 years in the payroll department. My brother, Mark (Rigney), also works here. I've really enjoyed



Terri Rigney is an AEDC fire dispatcher and recipient of EMS Star of Life. (Photo by Rick Goodfriend)

the people here and expanding my knowledge of fire dispatching."

Although Rigney acknowledges being a dispatcher means your day is never the same, it's also

very rewarding. Rigney says, "You never know what your day will consist of but meeting someone whose life you've touched makes you realize the impact you have."

Rigney would like to

retire from Arnold AFB but doesn't plan to do so any time soon. "I love my job and I love helping people. I can't imagine doing anything else but dispatching," she said.

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



AN AEDC FELLOW'S LIFE

AEDC Fellow David Beale



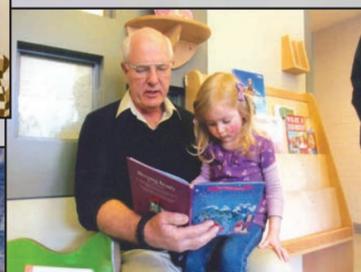
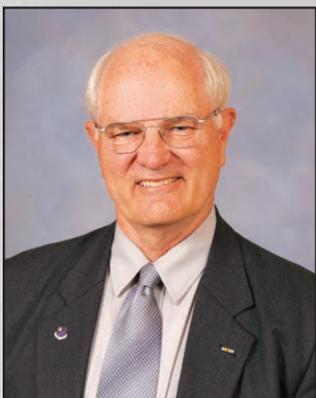
AEDC Fellow Marvin Sellers



AEDC Lifetime Achievement Fellow Ron Polce



AEDC Lifetime Achievement Fellow Retired Maj. Gen. Michael Wiedemer



AEDC Fellows to be inducted at banquet

By Raquel March
Aerospace Testing Alliance

The 2013 AEDC Fellows Banquet will be June 25, 5:30 p.m. at the Arnold Lakeside Center. The event is an opportunity to recognize AEDC individuals, past and present, who have made exceptional substantial contributions to the nation's aerospace ground testing capability at the Complex.

Retired Brig. Gen. Michael DeLorenzo, a partner with Teaching Science and Technology Incorporated (TSTI), will deliver the keynote address at this year's banquet. DeLorenzo is a Professor Emeritus at the United States Air Force Academy (USAFA) with over 37 years of Aerospace engineering experience. He was head of the Department of Astronautics at the USAFA for 10 years.

During his 32-year AF career, DeLorenzo was a test engineer, instructor, professor, deputy director of flight dynamics test at AEDC, chief of



Retired Brig. Gen. Michael DeLorenzo

Wright Laboratory's Advanced Guidance Division and acting chief scientist for Wright Laboratory's Armament Directorate. He also served as Vice Commander, Air Force Research Laboratory, Wright-Patterson AFB, Ohio.

AEDC Commander Col. Raymond Toth recognizes David Beale and Marvin Sellers as 2013 AEDC Fellows. Ron Polce and retired Maj. Gen. Michael Wiedemer are recognized as 2013 AEDC Lifetime Achievement Fellows.

AEDC sponsored Moonbuggy team puts rough terrain behind them

By Raquel March
Aerospace Testing Alliance

NASA made it easy for Franklin County High School students to experience moon exploration by participating in the 20th Annual Great Moonbuggy Race®. Navigating the simulated lunar terrain in the race, however, may not have been so easy.

The race, which took place at the U.S. Space and Rocket Center, Huntsville, Ala., was a 7/10 mile course that mimicked lunar craters, rocks, lava ridges, inclines and lunar soil.

With assistance from AEDC volunteer machinists Ronnie Long and Bob Williams and sponsorship through the AEDC Science, Technology, Engineering and Mathematics (STEM) Center and ATA, the team was able to design and construct a Moonbuggy that addressed a series of engineering problems that are similar to problems faced by the original Apollo-era lunar rover developers in the late 1960s.

Team members from the high school's Skills U.S.A. organization built their Moonbuggy in the school's machine shop and selected two team members to operate the buggy. The Moonbuggy must be human powered and carry

two students, male and female.

As a part of the competition, and prior to course testing, the un-assembled Moonbuggy entries must be carried to the course starting line. At the starting line, the entries are assembled and readied for course testing.

The top three teams, having the shortest total times in assembly and traversing the terrain course, are the winning teams.

Franklin County placed 31st out of 43 high school teams and plan to compete again next year.

The race was inspired by the original lunar rover, first piloted across the moon's surface in the early 1970s during the Apollo 15 mission, and used in the subsequent Apollo 16 and 17 missions. Eight college teams participated in the first NASA Great Moonbuggy Race in 1994. The race was expanded in 1996 to include high school teams.

NASA's Great Moonbuggy Race has been hosted by the U.S. Space & Rocket Center since 1996. Major corporate sponsors for the race are Jacobs Engineering ESSSA Group, Lockheed Martin Corporation, The Boeing Company, Northrop Grumman Corporation and Aerojet, all with operations in Huntsville.



The Franklin County High School Moonbuggy Team recently competed in the 20th Annual Great Moonbuggy Race® organized by NASA's Marshall Space Flight Center in Huntsville, Ala. The two driver team, Logan Stockton (front driver) and Elizabeth Preston (back), is shown here tackling an obstacle on the course after experiencing a malfunction with the buggy's rear pedaling mechanism. Scan the insert QR code using a smartphone to see a video of the team during competition. (Photo provided)



The Franklin County High School Moonbuggy Team constructed their buggy in the high school machine shop utilizing bicycle tires, gears, struts and other parts. (Photo provided)



Franklin County High School Moonbuggy team members Jordan Minor (left) and Justin Minor demonstrate the operation of their buggy built for the 20th Annual Great Moonbuggy Race in Huntsville, Ala. while visiting AEDC. (Photo by Jacqueline Cowan)

Highland Yacht Club offers free summer sailing lessons

The Highland Yacht Club (HYC) is offering free adult sailing lessons this summer. Adult beginner lessons are scheduled June 29 at 10 a.m. and intermediate sailing lessons are scheduled July 13 at 9 a.m.

Larry Thomas, a certified U.S. sailing instructor, will teach both classes which include safe sailing fundamentals and tactics in the morning session followed by lunch and afternoon hands on sailing. Boats are provided, but

participants should bring a life jacket due to limited quantities.

Classes are presented by the Yacht Club as a community out-reach program, families are also welcome to participate.

The HYC is affiliated with AEDC and is located on Woods Reservoir between the AEDC FAM Camp and the Gossick Leadership Center.

Reservations are requested for food provisions. For more information call 454-6315.



(Photo provided)

Do your part – Please recycle this paper after reading!



5th Annual AEDC Bike-a-thon June 28

Sign-up for riders & pledges can be made by emailing TSgt. Rodney Clemmons, rodney.clemmons@arnold.af.mil or MSgt. Jeremy Dinsmore, jeremy.dinsmore@arnold.af.mil

Pledges and donations can be made on a specific rider/ per mile/ one time. If you cannot make it to the café and would still like to contribute please contact via email or phone: TSgt. Rodney Clemmons, 454-4334 or MSgt. Jeremy Dinsmore, 454-6452

Funds earned during this event will go to supporting projects such as the Annual VA Picnic, Children's Christmas Party and other quality of life initiatives. This event is a memorial to Chaplain Gunn's late Father-in-Law, TSgt. Gene Jobe.

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

Check us out on Facebook! Arnold AFB Services Golf Course

2013 Tournament Schedule

June 22-23 - Member-Guest Tournament

July 20-21 - Arnold Tri-City Open Championship

Aug. 24-25 - Club Championship

Sept. 5 - AEDC Golf League Awards Banquet

Sept. 19 - Thursday Night Scramble Ends

Sept. 21 - Member Member Tournament

Oct. 5 - Season Ending Tournament

A two-person scramble **Member Guest Tournament** will be held June 22-23 with 8 a.m. shotgun start both days. Cost is \$125 per team and is all inclusive with lunch after Sunday's round. Sign up in the Pro Shop.

The **Arnold Tri-City Medal Play Championship** will be held July 20 and 21 with an 8 a.m. shotgun start. The field will be flighted depending on the number of participants. Second round play will be flighted based on first round scores. Second round score improvement limit will be 7-15 percent as determined by the Tournament Director. Percentage of improvement limit to be drawn at completion of second round. Prizes will be awarded in each flight. Open to the first 72 players to sign up. Priority for riding carts given as applications are received. Payment is required at completion of registration. Deadline for sign up is close of business July 13. Entry fee is \$50 for advanced green fee players and \$70 for others. Cart prices are not included. Price does include one free practice round during the week of July 7-13. For more information call 454-GOLF.

Sausage and biscuits available in the Pro Shop Monday through Friday. If you have an early golf outing during the week grab a quick breakfast before you start. These sausage and biscuits are from the Mulligan's Coffee Bar & Grill menu prepared in advance and placed in the warmer in the Pro Shop for your convenience. The biscuits are \$2 each and coffee is also available. The grill opens at 10:30 a.m. during the week and serves a full breakfast on Saturday and Sunday starting at 7 a.m. The Pro Shop will have the sausage and biscuits available starting at 7 a.m. Monday through Friday but limited quantities will be available so get them while they last.

Mulligan's Coffee Bar & Grill is open 10:30 a.m. to 2 p.m. Monday through Friday and 7 a.m. to 2 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

Arnold Lakeside Center and Outdoor Recreation have joined together to bring you the 2013 **Fishing Rodeo at Crockett Cove**. Things get underway at 2:30 p.m. June 22 with the official check in. Fishing will begin at 3 p.m. with a shotgun start so that all participants start with equal advantage. No one will be allowed to select their fishing spot or claim their area until the shotgun sound. This event is free and registration is encouraged to ensure there are enough door prizes for everyone. Additionally, the first 30 to register at 454-3303 will receive a rod and reel. There will be four age groups (5-7, 8-10, 11-12, 13-15) with 1st, 2nd, and 3rd place prizes awarded in each along with an overall prize for longest fish. Prizes in each age group are based on total length of fish caught. Every fish caught must be measured by an official scorer on the participant's score card. Fishing will be allowed from the designated Crockett Cove shoreline using any bait or lure. Fishing will last until 4:30 p.m. at which time all tally sheets will be collected and tabulated. During the results processing Outdoor Rec will conduct a casting contest where participants will cast a bobber into a hula hoop. A prize will be given to the casting champion. Other awards and door prizes will be presented upon completion of the casting contest. Outdoor Rec will also provide bounce houses from 2:30-5:30 p.m. for everyone's enjoyment throughout the afternoon. All participants are required to bring their own fishing equipment, bait, chairs, snacks, etc. Bottled water will be provided.

Movie Schedule

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

June 20 - "Snitch," PG-13 (1 hr. 52 min.) starring Dwayne Johnson, Jon Bernthal, and Susan Sarandon.

A father goes undercover for the DEA in order to free his son who was imprisoned after being set up in a drug deal.

June 27 - "The Incredible Burt Wonderstone," PG-13 (1 hr. 40 min.) starring Steve Carell, Steve Buscemi and Mason Cook. When a street magician's stunts begin to make their show look stale, superstar magicians Burt Wonderstone and Anton Marvelton look to salvage on their act - and their friendship - by staging their own daring stunt.

July 4 - Closed

July 11 - "Admission," rated PG-13 (1 hr. 57 min.) starring Tina Fey and Paul Rudd.

A Princeton admissions officer who is up for a major promotion takes a professional risk after she meets a college-bound alternative school kid who just might be the son she gave up years ago in a secret adoption.

July 18 - "The Croods," PG (1 hr. 38 min.) starring voices of Nicolas Cage, Emma Stone, and Ryan Reynolds.

After their cave is destroyed, a caveman family must trek through an unfamiliar fantastical world with the help of an inventive boy.

July 25 - "G.I. Joe: Retaliation," PG-13 (1 hr.

50 min.) starring Dwayne Johnson, Channing Tatum, and Bruce Willis.

The G.I. Joes are not only fighting their mortal enemy Cobra; they are forced to contend with threats from within the government that jeopardize their very existence.

First Friday Jam will not be held July 5 due to the holiday weekend. Watch for it to return 6 p.m. Aug. 2. Come to play, listen, dance and enjoy. Join in with the band to play an instrument or sing. Or take over and do your own performance. Dinner is available from 5-8 p.m.

Arnold Lakeside Center will host a five week **Singles 8-Ball Pool Tournament** in The Landing for ages 18 and older. The tournament will begin July 6 and each night will be double elimination. United States Professional Pool players Association rules will apply. Seeding in the first four tournaments will be by random draw. There will be a continuing points system for the four tournaments with the point totals going toward the final seeding in the championship tournament. Points will be as follows: 1st place - 8 points, 2nd place - 7 points, 3rd - 6 points, 4th - 5 points, 5th - 4 points, 6th - 3 points, 7th - 2 points and 8th - 1 point. All players will be allowed to play in the championship tournament. Players are not required to be at every tournament. Regular tournament games will be played July 6, 27, Aug. 3 and 31. The championship games will be played Sept. 7. Players may bring their own pool cues. Regular games first and second place winners will receive Services Bucks. The championship winner will receive a new pool cue.

Arnold Lakeside Center welcomes Amberly Robinson as the instructor for **Ballroom Bootcamp** to be held 5-9 p.m. July 20 and Aug. 17. Amberly brings 20 years of dance experience and expertise. Each class is \$30 per couple and is for all ages. The class begins with basics in ballroom partnering and rhythm from 5-5:15 p.m. Then it is right into Two Step 101 from 5:15-6 p.m. followed by Salsa 101 from 6:15-7 p.m. A recap video will be from 7-7:30 p.m. and social dancing will continue until 9 p.m. Any level of dancer is welcome. The dining room will be open 5-9 p.m. Call 454-3350 to sign up by July 16 or Aug. 13.

Arnold Lakeside Center's new monthly program **Brushes and Bottles** will be held 6-8 p.m. at the GLC July 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 is July 9. Class size is a maximum of 15. Call

Hours of operation

Arnold Lakeside Center: Catering/Management offices by appointment. Operations Clerk Tuesday, Thursday and 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 July 4.**

Information, Tickets & Travel (ITT): Tuesday through Friday 10 a.m. - 3 p.m. **Closed July 4.**

Café 100: Monday through Friday 6:30 a.m. - 1:30 p.m. Beginning June 10 closing at 1 p.m. **Closed July 4.**

Barber Shop: by appointment - Monday, Tuesday, Thursday & Friday 8 a.m. - 4 p.m. **Closed July 4 & 5.**

GLC (office located at Arnold Lakeside Center): Monday through Friday 7:30 a.m. - 4 p.m. May vary depending on bookings. **Closed July 4.**

Outdoor Rec: Tuesday through Sunday 8 a.m. - 6 p.m. FamCamp Store Friday through Sunday 12-4 p.m. Also open Monday when in conjunction with a holiday weekend.

Fitness Center: Monday-Friday 5 a.m.-7:30p.m.; Saturday 8 a.m.-1 p.m.; Sunday Closed. **Open 8 a.m. - 1 p.m. July 4, no classes**

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

Recycling: Monday through Friday 6 a.m. - 2:30 p.m. **Closed July 4.**

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

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

Services Outdoor Recreation opens new marina



Col. Raymond Toth, AEDC commander, assists Jan Dent, chief of Services, and Kiersten Drew, Services Outdoor Recreation (ODR) manager, in cutting the ribbon to the new 16-slip marina located just beyond the existing marina. For information on renting a wet slip, call ODR at 454-6084.

454-3350 to sign up or for more information.

Arnold Lakeside Center host a **Dart Tournament** in The Landing consisting of 301 and Cricket to be played once a month beginning June 21 and ending Oct. 18 with a championship finale. There will be two single elimination tournaments from 6-9 p.m. each night - June 21, July 19, Aug. 23 and Sept. 20 - following American Darts Organization rules. Players may enter both the 301 and Cricket tournaments. There will be a continuing points system with point totals going toward the final seeding for the championship tournament to be held Oct. 18. Points will be as follows: 1st place - 8 points, 2nd place - 7 points, 3rd - 6 points, 4th - 5 points, 5th - 4 points, 6th - 3 points, 7th - 2 points and 8th - 1 point. Services Bucks will be awarded to 1st and 2nd place finishers in each monthly tournament. The championship winners will receive a set of darts. If the same person wins both championships then the two second place finishers will have a playoff to determine the other champion. This event is for ages 18 and up. Darts will be provided or players may bring their own ADO regulations darts.

Last Friday Trivia Contest will be June 28 and July 26. Trivia starts at 6:30 p.m. with questions in random categories. Teams may have up to four people. No cell phones are permitted during the event. Anyone using a phone while a question is underway will be disqualified. There are eight rounds with three questions per round. For rounds 1-4 teams have

two, four and six points to wager per round. Rounds 5-8 teams will have four, eight and twelve points to wager per round. Only one points value may be used per question. For example, if you wager four points on the first question then you must choose either two or six points for the next question. Whichever value is left must be used for the final question in that round. After the eighth round, teams may wager up to their total points earned for the final question. Prizes are awarded for top finishers.

Arnold Lakeside Center **Membership Night features \$1 Cook Your Own Steak** June 29 from 5-9 p.m. where guests will select their steak, add their own variety of seasonings from a selection provided then grill it themselves. The grill will be setup by the covered patio and guests may dine on the patio or take their steak back inside to the dining room. The meal includes sirloin steak, baked potato, corn on the cob, salad and roll. There will be a hamburger steak option for kids. Cost for Members First Plus members and their immediate family is only \$1 per person (.50 cents for kids' hamburger steak). Cost for nonmembers is \$14 and \$8 for age 12 and under. Cornhole and volleyball will be available for your enjoyment. Sign up by June 18 by calling 454-3350. Open dining is available in the Four Seasons Room and in The Landing.

Air Force Services is conducting the **Annual Club Membership Scholarship Program**. Current Members First Plus indi-

viduals and their family members who have been accepted by or enrolled in an accredited college or university for entry during the fall of 2013 term as a part time or full-time student are eligible to apply for scholarships. Grandchildren are eligible if they are a dependent of the club member. Student enrollment status may involve either undergraduate or graduate curricula. Applicant must provide a copy of their college or university acceptance letter.

Twenty-five \$1,000 scholarships and high performance Dell laptop computers will be awarded. To enter, write and submit a 500 words or less essay on the following topic: "Who or What Inspires You to Be Successful? Why?" Essays exceeding 500 words (excluding title) will be disqualified. Essays must be typed in MS Word 12-point Times New Roman font, single-spaced, with double-spacing between paragraphs. One-inch top and bottom margin and 1.25 inch left and right margin submitted on CD. The application package must include CD containing essay with participant's name, date and word count, entry form (included in the brochure or online at af-clubs.net) and current college/university acceptance letter or official transcripts.

Essays not meeting the above parameters will be disqualified. Submit entries to Services Marketing, 100 Kindel Drive Suite C321, Arnold AFB TN 37389-3321 by July 1. Final scholarship awards will be announced by September 17. All nominees will be advised of scholarship

See BRIEFS, page 14

BRIEFS from page 13

**Arnold Lakeside Center (ALC)
454-3350**

selection or non-selection. Only one essay per eligible person.

A **Cornhole Tournament** will be held 5-10 p.m. July 13 on the patio. This free event is for all ages and will be for teams of two played double elimination. Sign up is required by July 10. You may bring your own bags but they must be roughly 15-16 ounces each. There must be at least 4 to hold the tournament. American Cornhole Organization (ACO) rules apply. Services Bucks will be issued for 1st, 2nd, and 3rd place finishers.

**Fitness Center (FC)
454-6440**

Check us out on Facebook! Arnold AFB Services Fitness Center

Fit to Fight Competition will be held the first three weeks of June. Each week participants will be scored on a different workout. The workouts are not announced in advance so as to ascertain the true on-the-spot fitness of the competitor. Even though the workouts will be different each week they will be judged the same on either repetitions and/or time. After the three weeks, each participant's scores will be tallied to see who is the most Fit to Fight. T-shirts will be awarded to the top five finishers in both men's and women's categories.

The Fitness Center will host the **Golden Baton Relay** June 19 beginning at 8 a.m. in front of the A&E Building. Each team runner must complete two laps around the A&E Circle before passing the baton to the next runner. Teams must consist of four runners with a combined total age of at least 120 and one timekeeper. Teams may select appropriate and tasteful ways to distinguish themselves and may bring their own baton or use batons provided by the Fitness Center. The first six teams to sign up will receive event t-shirts. Prizes will also be given for the most clever team name, best team costumes and overall team speed. Call 454-6440 to sign up or for more details.

The Fitness Center will be open 8 a.m. – 1 p.m. July 4. There will be no classes.

Blood Pressure Screening will be held in Café 100 11 a.m. – 12 p.m. July 10. Not sure what your blood pressure level is or why it matters? The Fitness Center staff will be providing free assessments and information. High blood pressure usually has no symptoms but can lead to serious problems. You can control high blood pressure through healthy lifestyle habits and medication. Stop by and see where your numbers fall and learn more about heart health.

Hot 250 is back the entire month of July. This event challenges participants to log 250 miles on a bicycle

during the month. Use your own bike or check one out from the Fitness Center. Participants completing the challenge will receive an incentive. Contact Joe Waters at the Fitness Center for details.

Group Class Schedule: (for eligible users only)

Boot Camp - Monday, Wednesday and Friday 6-7 a.m.

Yoga - Monday, Wednesday and Friday 11 a.m.-12 p.m.

Cycling - Monday, Tuesday and Thursday 11 a.m.-12 p.m.

Interval Training - Tuesday and Thursday 3:30-4:30 p.m.

**Outdoor Rec (ODR)
454-6084**

Check us out on Facebook! Arnold AFB Services Outdoor Recreation

Join Outdoor Rec for an **Introduction to Hiking Class** June 22 with a mid-morning hike at Old Stone Fort State Archaeological Park. The course costs \$10 and includes safety on the trails, leaving nature how it was found, a visit to the museum and history of Old Stone Fort. Leave from ODR at 9 a.m. and return at approximately 3 p.m. This class is for ages ten and older. There must be at least five to take the class and no more than fifteen. Remember to wear closed toed shoes and bring water and sunscreen if needed. Sign up by June 19.

Kayaking for Beginners

Class will be held at Crockett Cove June 29, July 13 and 27 from 9 a.m. to 1 p.m. This is a beginners' introduction to learn about the kayak, equipment, emergencies and wet exits. Following the classroom time, participants will load up equipment and go down to the beach to practice entering, maneuvering, paddling and turning. A wet exit, basic self-rescue and additional strokes will also be practiced. Participants will then take a tour of the lake to practice their newfound skills. The class will be approximately four hours. Make sure you wear appropriate clothing and bring sunblock. This class is for ages ten and up and cost is \$10 per person. There must be at least three to hold the class and maximum class size is six.

FamCamp outdoor movie nights will be June 22, July 6 and 20. If you are camping over these weekends you can enjoy an outdoor movie for free on Saturday beginning at 7:30 p.m. Bring your chairs or blankets to the open grass area behind the upper bathhouse. Free caramel popcorn will be provided. The movies are as follows:

June 22 – "The Hobbit: An Unexpected Journey," PG-13, 2 hr. 49 min. A younger and more reluctant Hobbit, Bilbo Baggins, sets out on an "unexpected journey" to the Lonely Mountain with a spirited group of dwarves to reclaim their stolen mountain home from a dragon named Smaug.

July 6 – "Lincoln," PG-13, 2 hr. 30 min. As the Civil War rages, America's president struggles with continuing carnage on the battlefield and as he fights with many inside his own cabinet on the decision to emancipate the slaves.

July 20 – "Oz the Great and Powerful," PG, 2 hr. 10 min. A small-time magician is swept away to an enchanted land and is forced into a power struggle between three witches.

Archery Basics Class will be held July 6 for all ages. The class costs \$5 and will begin at 9 a.m. There must be at least two to take the course and no more than twelve. This class will teach the basics of archery to include how to hold a bow

properly, how to shoot with correct technique and also learn some history. Bows, arrows and targets will be provided but you may bring your own equipment if you have it.

Camping Guests Lake Tour is scheduled for 12-2 p.m. July 7 and 21. ODR will be hitting the open lake in the SS Stewart to explore the history of Woods Reservoir. Learn about the islands, buildings, and other sites that make this area unique. The lake tour is \$5 and open to guests staying in FamCamp, Crockett Cove and Dogwood Ridge. The lake tour will depart from the docks of FamCamp at noon.

Extended Stays available at FamCamp. The FamCamp is a wooded area off of Northshore Road on the banks of Woods Reservoir with tent and RV camping. Amenities include bathhouse with shower, barbeque grills, fire rings, lantern hangers, boat launch pad, picnic and beach area, covered pavilion as well as washer/dryer service and boat docking service. There are 18 tent sites and 36 RV sites, 15 of which are pull-through. All RV sites are equipped with 30 and 50 amp 115V service. Daily rates for RV camping are \$20 during the summer and \$15 during the winter (Nov.-Apr.). Did you know that you can stay for up to three months at FamCamp? Monthly rates are \$450 during the summer and \$400 during the winter. Sites 27-36 are designated for extended stays. Extended stays are only allowed in three month increments and there must be a one month gap between stays. Reservations may be made up to 45 days in advance for active duty, National Guard and Reserve military. Up to 40 days in advance for military retirees and up to 30 days for DoD employees. All others may make reservations up to 20 days in advance. Tent camping is available at \$7 daily. Washer/Dryer service is \$2 and boat docking is \$5. A convenience store is open 12-4 p.m. Friday through Sunday, May through October and open Mondays if in conjunction with a holiday weekend. Other camping is available at Crockett Cove and Dogwood Ridge. Crockett Cove offers five rustic cabins with heat and air,

mini fridge, microwave, front porch swing, grill and picnic table. There is no running water but a bathhouse is on site. The one or two room cabins rent for \$40/\$50 per day during the summer and \$30/\$40 during the winter. Dogwood Ridge consists of six travel trailers with water, sewer, electric and propane complete with deck, picnic table and chairs. The trailers rent for \$40 daily, \$75 for two days or \$200 per week. Extended three month stays are also available at these areas. Call Outdoor Recreation at 454-6084 to make reservations.

**Wingo Inn
454-3051**

Check us out on Facebook! Wingo Inn

Reservations for Wingo Inn may be made 120 days in advance. Room rates start at \$53.25 per night. Please call 454-3051 for reservations.

**Gossick Leadership Center (GLC)
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 931-454-4003.

Missoula Children's Theatre returns for "The Wizard of Oz" production

Missoula Children's Theatre (MCT) is back to present their production of "The Wizard of Oz" at the Manchester Arts Center (MAC).

MCT touring productions are complete with costumes, scenery, props and makeup. MCT Tour Actor/Directors conduct auditions and rehearse for one week then present a performance. Approximately sixty roles are available for local students. All students grades 1-12 are encouraged to pre-register. Cost is \$20 per child and additional children in the same family will receive \$5 off. Pre-registration allows cast members to sign up in advance of the audition. Each child signed up will receive a part in the cast but not for a specific role. Once each age group is filled to capacity registration will be closed. An audition will be held 4-6 p.m. June 24 to assign the roles. Some of the cast members will be asked to stay for a rehearsal immediately following the auditions.

Among the roles to be cast are Dorothy, Toto, the Lion, the Tin Man, the Professor/Wizard, the Green Guard, Glinda, the Wicked Witch, Mayor Munchkin, Farmer Munchkin, the Munchkins, the Winkies, the Magicians and the Fierce and Ferocious Flowers. No advance preparation is necessary. As-



sistant Directors will also be cast to aid in rehearsals throughout the week and to take on essential backstage responsibilities. Most students will rehearse four hours each day, 12:30-4:30 p.m., Tuesday through Friday. The week will end with a public performance 7 p.m. June 28 at the MAC. Admission is \$10 for adults and \$5 for ages 3-5.

The story is as familiar as it is beloved. That nasty tornado carries Dorothy and her canine pal Toto from the friendly confines of her Kansas home to a fabled fantasy of mystery and magic in the land of Oz. With the help of the

Munchkins and Glinda herself, Dorothy and her loyal pooch join forces with the dancing Scarecrow, the romantic Tin Man and, of course, the ever-popular Cowardly Lion. Off they go down the Yellow Brick Road – side-stepping Winkies and a Wicked Witch – on their perilous journey to find the Wizard and ask for his help. For they are sure his Wizness will grant their wishes and send Dorothy and Toto back to their home – or will he? We'll never tell. Come see for yourself.

For more production information and to pre-register, call 454-3415.



