



HIGH MACH

Serving the World's Premier Flight Simulation Test Complex



Vol. 60, No. 11

Arnold AFB, Tenn.

June 3, 2013

C-5M wings help AEDC team soar to win AIAA Special Award

By Raquel March
ATA Public Affairs

During the American Institute of Aeronautics and Astronautics (AIAA) Tennessee Section annual awards program on May 29, an AEDC test team was recognized for their outstanding contributions to the C-5M Super Galaxy winglet upgrade test.

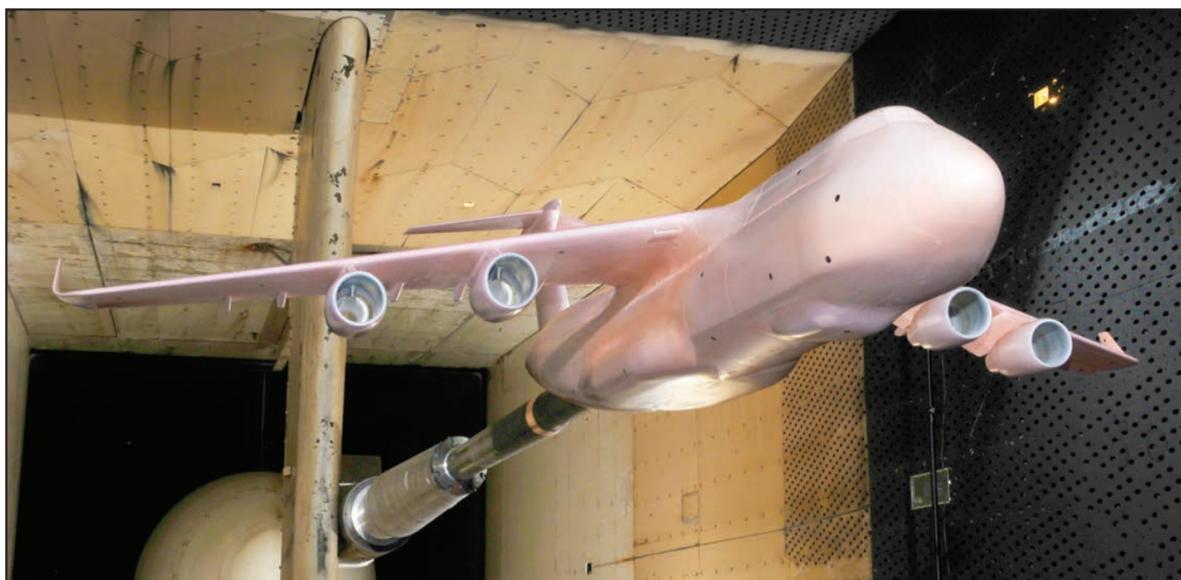
The award recognizes that the government and contractor technical professionals incorporated engineering, research and analysis concepts and procedures to successfully develop, assess and verify technical criterion.

The team performed an aerodynamic test on a C-5M scale model to validate the computational fluid dynamics predicted drag reduction effects of winglets. The winglets – a short, near-vertical projection on the aircraft's wing tip – were expected to improve the aircraft's aerodynamic efficiency and lower fuel consumption.

The team applied statistical analysis techniques to design an efficient test to quantify performance differences. They were also able to implement the Pressure Sensitive Paint testing technique for obtaining requested full model surface pressure data for the customer eliminating the need to install strain gages in the winglets.

The team was cited for results that proved the new winglets improved airflow around the wing tips, providing efficiency by reducing drag, saving fuel and allowing for longer flights.

The C-5 Galaxy, a heavy-logistic transport plane with an unrefueled range



Pictured above is the C-5M Super Galaxy model in Arnold Engineering Development Complex's (AEDC) 16-foot Transonic Wind Tunnel. The model is a pink color as a result of AEDC's application of Pressure Sensitive Paint (PSP) before the test was conducted. (Photo by Rick Goodfriend)

of more than 6,000 miles with 261,000 pounds of weight, played a significant role providing transportation for the military buildup in the Middle East prior to the start of the Persian Gulf War.

The plane, which is one of the largest in the world, played a significant role in supporting Operation Desert Storm, Operation Iraqi Freedom and Operation Enduring Freedom.

See page 3 for more on the C-5M.



Pictured here is AEDC Commander Col. Raymond Toth (far left) and Dr. Bill Baker (2nd from left) presenting the AIAA Special Award to the C-5M AEDC test team who include: (l-r) Calin Schuman, Marvin Sellers, Dr. Don Malloy, John Hopf, 1st Lt. Joshua Coughenour and Lt. Col Leland Davis. Test team member not present at the time of the photo are Capt. John Labouliere, David Yoder, Rolland Heim, Melissa Minter, Darhl Frazier, Sherry Simons, Scott Wieland, Brent Rodgers and Paul Jalbert. (Photo by Rick Goodfriend)

AEDC Commander announces 2013 AEDC Fellows

By Raquel March
ATA Public Affairs

Leadership at AEDC values the important contributions of its past and present personnel throughout the years and recognizes their accomplishments each year through the AEDC Fellow Program.

This year AEDC will induct David Beale and Marvin Sellers as AEDC Fellows at the annual AEDC Fellows Banquet June 25. The AEDC Fellow is recognized

for personally making sustained, notable and valuable contributions in aerospace ground testing at AEDC.

Ron Polce and retired Maj. Gen. Michael Wiedemer will be inducted as AEDC Lifetime Achievement Fellows recognizing their notable and valuable lifetime contributions to AEDC's mission.

David Beale

Beale was selected as an AEDC Fellow due to his outstanding technical

leadership, technical innovations and project management contributions to the development of ground test techniques for gas turbine engines. He began his AEDC career in 1977 as a project engineer in the von Kármán Gas Dynamics Facility (VKF) Aerodynamics Projects Branch and eventually transitioned into AEDC's aeropropulsion test facility.

Beale's technical achievements include development of free-jet test techniques for inlet engine compatibility evaluation, verification of venturi airflow measurement techniques for aeropropulsion performance testing, development of bell-mouth airflow measurement techniques for turbine engine ground test facilities, and development of test techniques for simulating transient total-pressure and swirl inlet distortion in a direct-connect type of turbine engine test cell.

Due to Beale's experience in aerodynamic and aeropropulsion test techniques, he embarked on a program to establish long range test requirements, establishing technology requirements and overcoming the free-jet technology gaps.

Marvin Sellers

Since Sellers' arrival in 1981, he has helped advance state-of-the-art testing techniques in the Propulsion Wind Tunnel (PWT) and in the VKF.

As a project engineer he is recognized as an AEDC Fellow by demonstrating developmental excellence in many technical areas such as pressure sensitive paint (PSP) test technique, wind tunnel model design, data acquisition and processing, instrumentation and flight systems business development.

Sellers also developed the continuous sweep test technique, the boundary layer tripping test technique and automated model trim test technique for AEDC wind tunnels which improved productivity and reduced testing costs.

Recognized as an expert in stability

and control and pressure loads test techniques, Sellers has been responsible for bringing major test programs to AEDC like the Joint Strike Fighter development program, the Space Shuttle Return to Flight program, Raytheon missile tests, the Global Hawk program and other aircraft and spacecraft programs requiring PSP testing.

Ron Polce

Polce's AEDC career began in 1974 as a lieutenant. After his assignment ended in 1978 he later returned in 1980 as Chief of the Aeropropulsion Systems Test Facility (ASTF) Systems Activation and Test Office. His AEDC career continued until 2011 when he retired from the Complex.

He is recognized as an AEDC Lifetime Achievement Fellow for his contributions in propelling AEDC to become a world class developmental testing facility through his leadership in all aspects of the complex's mission.

Polce was instrumental in the successful activation and operation of the ASTF during a nine year period. Later he provided technical direction for the planning, programming, advocacy, design, construction, maintenance, repair and modernization of AEDC's ground test facilities and support infrastructure.

His management of mission support services led to high quality support services while reducing support costs by 22 percent over a four year period.

Polce's exceptional leadership during his career eventually led to successful testing of numerous weapon systems critical to national defense; a successful 2003 AEDC operating contract competition earning the Secretary of the Air Force Acquisition Excellence Award; reactiva-

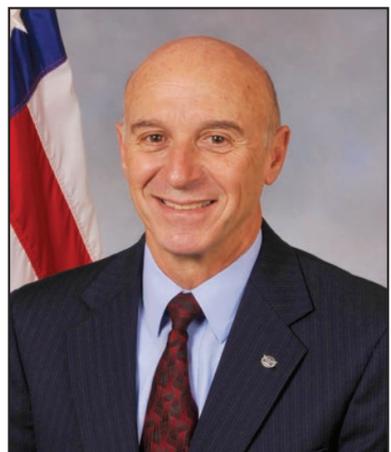
See FELLOWS, page 3



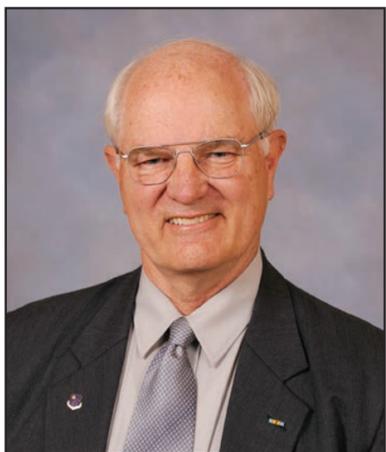
David Beale



Marvin Sellers



Ron Polce



Retired Maj. Gen. Michael Wiedemer

In This Issue....

ATA makes a STEM donation
...Page 3

Tunnel 9 participates in 5K run
...Page 7

Milestones
...Page 9



HIGH MACH

Arnold Engineering Development Complex
An Air Force Materiel Command Test Complex

Col. Raymond Toth
Commander

Jason Austin
Director,
Public Affairs



Steve Pearson
General Manager,
Aerospace Testing Alliance

High Mach Staff:
Kathy Gattis, ATA Public Affairs Manager & Executive Editor
Raquel March, Editor

High Mach is published by The Tullahoma News, a private firm in no way connected with the U.S. Air Force, Arnold Engineering Development Complex (AEDC) or Aerospace Testing Alliance (ATA), under exclusive written contract with ATA, complex support contractor, at Air Force Materiel Command's AEDC, Arnold AFB, Tenn., 37389.

Everything advertised in this publication will be made available for purchase, use or patronage without regard to race, color, religion, sex, national origin, age, marital status, physical handicap, political affiliation or any other non-merit factor of the purchaser, user or patron.

The High Mach office is located at 100 Kindel Drive, Suite B212, Arnold AFB, Tenn. 37389-2212. Editorial content is edited and prepared by AEDC support contractor ATA. Deadline for copy is Wednesday at close of business the week before publication.

This commercial enterprise newspaper is an allowable ATA contractor publication for personnel at AEDC.

The content of High Mach does not necessarily reflect the views of the Air Force, AEDC or ATA. The appearance of advertising in this publication does not constitute endorsement by the Department of Defense, the Department of the Air Force, AEDC, ATA or The Tullahoma News of the products or services advertised.

For advertising information, call (931) 455-4545.

For general information about High Mach, call (931) 454-5655 or visit www.arnold.af.mil.

The complex's vision: Be the nation's best value ground test and analysis source for aerospace and defense systems.



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"

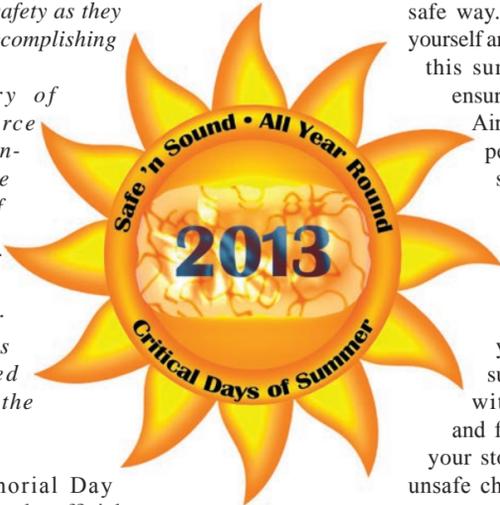
Core Values

- 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

AF leaders remind force to be safe this summer

WASHINGTON (AFNS) – With Memorial Day kicking off this year's Critical Days of Summer Safety campaign, Air Force senior leaders have asked Airmen to be as intense about safety as they are about accomplishing the mission.

Secretary of the Air Force Michael Donley, Air Force Chief of Staff Mark Welsh, and the Chief Master Sgt. of the Air Force James Cody issued a memo to the force.



The Memorial Day holiday marks the official start of the 2013 Critical Days of Summer campaign, themed Safe-n-Sound, All Year Round. Although the critical days

of summer conclude on Sept. 3, this year's theme shows you are valued EVERY day of the year.

Your commitment to our core values of integrity, service, and excellence

enables our Air Force to accomplish great things every day. We need you to commit to safety with the same intensity. Your

dedication to Excellence In All We Do means doing everything – from our mission to summer recreation activities – the right way. By definition, doing things the right way means the safe way. Taking care of yourself and your wingmen

this summer will help ensure that our entire Air Force team can perform our mission wherever and whenever the nation calls.

Each of you has a remarkable story. As you participate in summer activities with your family and friends, don't let your story end with an unsafe choice. Enjoy the summer with the same dedication and enthusiasm you give to our mission and our core values. Make your story a great one, and stay Safe-n-Sound.

What's your AF relationship status?

Commentary By Chief Master Sgt. Tamala Hartz
97th Security Forces Squadron

ALTUS AIR FORCE BASE, Okla. (AFNS) – How are things between you and the Air Force these days? Would you say the two of you are in a committed relationship? Are you happy with the Air Force? Is the Air Force happy with you? Are either of you thinking of ending the relationship? These may sound like silly questions, but when you really think about it, your relationship with the Air Force is a lot like your relationships with friends and loved ones. A career in the Air Force will require work, maintenance and sacrifice similar to those efforts given to our personal associations.

Just like any extensive time spent with a person, extended time spent with the Air Force will mean a series of good times and not-so-good times. There will be times when you'll wonder why you're in this relationship, and there will be times when you can't imagine yourself without the Air Force. Like all other

relationships, the Air Force will give and take. A few of the great opportunities you have in the Air Force that you may not find in civilian companies include: the sense of being part of an organization bigger than yourself, travel, fair promotion opportunities, competitive pay and benefits, protection from unfair work practices, and other quality of life options for you and your family. Just like in other relationships, in order to have the great things you must make some sacrifices. Throughout your career, you will be afforded the opportunity to work long hours, take multiple deployments, go on remote assignments, and be exposed to harsh work environments. It's going to mean understanding your time in the Air Force as a process of give and take, just like you do in any successful relationship.

When you think about the key components in a successful long term relationship you'll find it re-

quires strength of character, putting the other person's needs before yours, and a predominant desire for exceptionalism that makes you unique to a person. Does any of that sound familiar? It should. It basically means integrity first, service before self, and excellence in all you do. When you swore your oath of allegiance to enter the Air Force you essentially changed your relationship status to reflect a committed relationship to the Air Force and these are the requirements of that relationship.

As we move forward through challenges and endeavors, work on and treat your career as you would a relationship with a friend or loved one. Some days it will seem like you are facing the most difficult times of your life, and other times you will feel like you are truly living the best days of your life. At the end of a career whether it is four or thirty years, I hope your relationship with the Air Force is a positive one that improved your life and you as a person. Thank you, for what you do every day.



Returning home - Tech. Sgt. David Hendrickson is greeted by his sons, Aiden and Karsten at Little Rock Air Force Base, Ark. (U.S. Air Force photo/Staff Sgt. Chris Willis)

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 designated 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.

Ordering monkey food

Commentary By Jenna Fletcher
39th Air Base Wing

INCIRLIK AIR BASE, Turkey (AFNS) – Several years ago, I had the opportunity to attend an Office Personnel Management leadership academy. During three weeks of intense and quality training, there was one story in particular from our instructor that made a deep impression and has stuck with me after all of these years.

My instructor worked as a consultant in the business world. One time he was asked to consult for a company that had one section with very low morale. As soon as he walked into their office it was profoundly obvious. Everything about the work environment made it clear this group did not like their job, or each other. One of his first questions to the group was, "What do you do here?"

"We order monkey food," was their reply. Thinking perhaps this was industry jargon, he asked, "What do you mean, 'you order monkey food?' What does that mean?"

After longer conversations he learned that this group's entire purpose was to order several different kinds of monkey food and coordinate its delivery to a warehouse. They didn't know for whom they ordered it, and they didn't know where it ended up.

To learn more, a field trip to the warehouse where the food was delivered was organized. When the group arrived, they asked to speak with the manager. When the consultant explained that the individuals with him ordered all the monkey food in the warehouse, the manager became interested and excited asking all kinds of questions, "Why do you order so much monkey food? What is it for?"

And so, the consultant asked where the warehouse delivered the food. He set up a second field trip for the office and the warehouse personnel. They arrived at a large research laboratory and asked to speak to the person in charge. When they were finally able to meet with the head of research, the consultant explained he had with him the office responsible for ordering the food and the personnel responsible for storing and shipping it. The head of research became overcome with emotion and insisted on shaking everybody's hand. After he had said thank you a dozen times, the consultant asked him what they did at the lab.

"We do AIDS research here," he answered, and went on to explain why they needed so many different kinds of food and how vitally important the food was to the overall research project.

The consultant reported that a few months later when he returned to the office that ordered the monkey food, the changes were remarkable. The office was cheerful and the staff was engaged with each other and their work. There was a huge banner on the wall that said, "We help people cure AIDS."

The moral of this story, which has stuck with me for over eight years, is that people need to understand what they do and why they do it. Not just the nuts and bolts, and the forms and software. Not just technical data and schedules. Individuals need to understand the bigger mission and how they fit into it.

Every machine, organism and organization is complex. Some parts you can see plainly, and it is obvious what they do and why their contributions are important. However, it is the obscure parts, the not readily identifiable capacities, that you eventually recognize as crucially important elements in making something work - in creating success. What at first glance may seem mundane and inconsequential you find just as essential as the higher visibility roles.

There is no job within the Air Force that is more important than any other. There are no unnecessary Air Force specialties. Every unit, individual – whether officer, enlisted or civilian – in every organization has a critical role to play for Air Force victory.

Good leaders help their team understand their mission and their contribution. Good leaders make why just as important as what and how. Good leaders don't just lead by example, they lead by perspective.

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

Commissaries implement 11 day furlough closures

By Kevin Robinson
Defense Commissary Agency

FORT LEE, Va. (AFPS) – When furloughs are implemented, most military commissaries will close one day a week on Mondays, the Defense Commissary Agency's top official said. The closures will be for up to 11 days between July 8 and Sept. 30.

"We know that any disruption in commissary operations will impact our patrons ... Also, we understand the tremendous burden this places on our employees, who, when furloughed, will lose 20 percent of their pay," said Joseph H. Jeu, DeCA's director and CEO.

"We determined that Monday closures would present the least pain for our patrons, employees and industry partners," Jeu added.

Closing commissaries on Mondays would be in addition to any day stores are routinely closed. The 148 stores that routinely close on Mondays would also close the next normal day of operation. Other than the furlough day, there are no other changes planned for store operation hours.

The announcement comes as DeCA follows Department of Defense protocols related to the automatic federal government budget reductions, known as sequestration, which began March 1. Like most DOD activities, DeCA is mandated by DOD to furlough its civil service employees. Furlough notices are scheduled to be delivered to DeCA employees between May 28 and June 5.

DeCA has 247 commissaries with more than 16,000 employees operating in 13 countries and two U.S. territories. Furloughs will impact all of DeCA's more than 14,000 U.S. civilian employees.

As sequestration continues, commissary customers can quickly find out about any changes to their local store's operating schedule by going to www.commissaries.com, clicking on the "Locations" tab, then "Alphabetical Listing," finding their store and clicking on "local store information."

Patrons are reminded that because sequestration is so fluid, DeCA's plan for this budget-cutting measure is subject to change.

DeCA decided on Monday closures after weighing the potential disruption to patrons and suppliers of having rolling furloughs, where closure dates would differ from store to store. Universal Monday closures are less disruptive to shoppers and the agency's industry partners – vendors, suppliers and distributors – who deliver products daily to DeCA's commissaries.

Store staffs overseas include a mix of U.S. and local national employees. Because they are not U.S. government employees, local national employees are not subject to this furlough actions. Select locations overseas will open if they have an adequate local national staff. However, if an overseas store is closed, its local national staff will report to work and perform other store-related duties.

In January, DOD released guidance to allow defense components to plan for potential budget cuts by reducing operating costs. In line with that direction, DeCA later executed the following budget-cutting measures:

- A hiring freeze on all outside hires;
- Curtailment of official travel for all conferences, training, and any other events and activities considered noncritical to the agency's mission;
- Cancellation of the agency's May Worldwide Case Lot Sales for all commissaries. Instead, stores are conducting smaller-scale events such as outdoor sidewalk sales;
- Curtailment of all overtime and compensatory time unless deemed mission-critical;
- Review of contract services to restrict any increases;
- Curtailment of all monetary awards unless legally required; and
- Postponement of all Guard and Reserve on-site sales scheduled after July 8 until further notice.

"We are in this together," Jeu said. "And though limited in our ability by circumstances we cannot control, I assure you we will do all we can to mitigate the impact of sequestration on our patrons, employees and industry partners, and on our mission."

FELLOWS from page 1

tion of NASA's decommissioned National Full-Scale Aerodynamics Complex; and improving and modernizing AEDC's \$11 billion complex of Research, Development, Test and Evaluation (RDT&E) facilities.

He continues to support AEDC through his involvement with the Arnold Community Council (ACC), an organization which promotes, protects and preserves the complex's mission.

Retired Maj. Gen. Michael Wiedemer

Wiedemer is recognized as an AEDC Lifetime Achievement Fellow because of his outstanding support to AEDC as an employee, commander, customer, supplier, stakeholder and advocate.

Wiedemer has demonstrated his ability to link community, industry, client and government leaders to support AEDC preserving the complex as a national asset.

He arrived at AEDC as a captain in 1980 assigned as Chief of the Test Facility Computer, Instrumentation and Engineering Branch. He was later given assignments in Facility Operations and Maintenance Division and the ASTF Automatic Test Control System where he developed comprehensive test unit improvement plans that helped to synergize business and testing processes. He also developed innovative tools and techniques that streamlined decision making in

ASTF and significantly reduced risks associated with checkout and edge of test envelope operations.

Wiedemer returned in 1995-1997, then a colonel, to serve as AEDC commander where he expanded commercial and university relations with AEDC. He also helped secure commercial investments in the complex, strengthened strategic plans and processes by simplifying goals and metrics and accelerated improvement and modernization projects for PWT, the Engine Test Facility and ASTF.

Wiedemer continued his support of AEDC while working with other organizations utilizing the complex's testing capabilities. His support has also been shown by serving as the vice president, president and board member of the ACC.

The Fellows program was established in 1989 and recognizes AEDC individuals who have made exceptionally distinguished and substantial contributions to the nation's aerospace ground testing capability at the Complex.

Candidates considered for selection as an AEDC Fellow, an AEDC Craftsmen Fellow, AEDC Lifetime Achievement Fellow or AEDC Honorary Fellow are current or retired military, civilian and operating contractor and subcontractor personnel assigned or previously assigned to AEDC.

The banquet will be held at the Arnold Lakeside Center. To attend the banquet, call 454-6505.

ATA makes a donation to the MLK Scholarship Foundation



ATA recently presented a \$500 Science, Technology, Engineering and Mathematics (STEM) donation to the Franklin County Martin Luther King Scholarship Foundation. The donations collected by the scholarship foundation are used to supply scholarships to students from Franklin County. Pictured left to right are ATA General Manager Steve Pearson, Scholarship Foundation Fundraiser Chairperson Willie Hill and Becky Combs, the civic chairperson of the ATA Employee and Community Activities Committee (E&CAC). (Photo by Jacqueline Cowan)

C-5M undergoes 'super' upgrade

By Jet Fabara
412th Test Wing Public Affairs

EDWARDS AIR FORCE BASE, Calif. (AFNS) – In 2006, the C-5 Galaxy underwent a "super" upgrade to further strengthen the airframe's worldwide airlift capabilities.

Test teams here and at Dover Air Force Base, Del., are showing why the recent software upgrade to the largest aircraft in the Air Force inventory – now known as the C-5M Super Galaxy – is no small task.

Officials tested the initial modifications at Dover AFB, then the aircraft was ferried back to Edwards AFB, where the test teams will accomplish the remaining flight test sorties this month.

"The C-5M Super Galaxy Block 3.5.2 software upgrade is intended to correct 72 deficiency reports that were documented during previous C-5M test programs," said Joel Williams, the 775th Test Squadron C-5 lead engineer at the 418th Flight Test Squadron (FLTS).

"The results of the 418th FLTS testing of 3.5.2 will help support a fielding decision by the program office at Wright-Patterson Air Force Base, Ohio," said Maj. Zackary Schaffer, a 418th FLTS C-5 test pilot. "Additionally, data from this testing will be used by the development system man-

ager at the Air Force Life Cycle Management Center at Wright-Patterson AFB) to generate a program assessment summary to verify the C-5M retains the navigational performance and surveillance capabilities necessary for future airspace requirements."

According to the C-5M test team, the systems affected by this software upgrade included the automatic flight control system, auto throttle, display services, embedded diagnostic system and flight management system.

"As part of the traffic collision and avoidance system testing, we had to develop test techniques to safely generate collision warnings in-flight," Schaffer said. "With the help of pilots at the 445th Flight Test Squadron and the Massachusetts Institute of Technology's Lincoln Laboratory, we were able to develop procedures using a T-38 Talon to generate all of the appropriate warnings while ensuring safe separation of aircraft throughout the test."

Initially, the aircraft was modified with test instrumentation and software at Dover AFB, which required all of the checkouts, quality assurance inspections, and initial ground and flight testing to be conducted off-site.

"Thanks to the excellent coordination between Edwards AFB special instrumentation

team, Lockheed Martin Aeronautics, and the 436th Maintenance Group, all the modifications were completed ahead of schedule with the airplane fully mission capable," Schaffer said. "With help from the 436th Operations Group, we were able to schedule all of the range support necessary for our testing."

Once the final portion of software upgrade testing is completed, Williams said the DR corrections will help bring many improvements to the C-5M Super Galaxy platform including a new vertical guidance mode, new glideslope capture capabilities, identify friend or foe mode S enhanced surveillance, and updated traffic collision and avoidance logic.

The C-5 Galaxy development system manager, C-5 Division (AFLCMC/WLS), at Wright-Patterson AFB, will use the result of testing to support airworthiness certification of the software update. The testing results will also support certification of readiness for operational testing that will be conducted by the Air Mobility Command Test and Evaluation Squadron.

C-5M Super Galaxy Block 3.5.2 software upgrade testing is projected to be completed by the end of this month. Air Force officials plan to upgrade 52 Galaxies to "super" status by the end of 2016.



An aircrew member from the 9th Airlift Squadron prepares to remove a power cart from a C-5M Super Galaxy for a test sortie April 26, in support of C-5M Super Galaxy Block 3.5.2 software upgrade testing. The C-5M Block 3.5.2 software upgrade is intended to correct 72 deficiency reports that were documented during previous C-5M test programs. (U.S. Air Force photo/Jet Fabara)



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



Airmen submit innovative ideas

By Senior Airman Jamie Jagers
Secretary of the AF Public Affairs

WASHINGTON (AFNS) – More than 8,000 money-saving ideas have cascaded into the Pentagon from across the Air Force this month.

Air Force Vice Chief of Staff Gen. Larry Spencer launched the Airmen Powered by Innovation Challenge May 1, challenging uniformed and civilian Airmen to find places to save money across the service, no matter how big or small.

"If there are things we can do better, if there are things we can stop doing, or if there are ideas (Airmen) have on how we can better manage our money... we want to hear it," Spencer said.

When Airmen click

"submit," on one of two websites, their ideas fall directly into the hands of Spencer's team of action officers here, who dedicate their time to receiving ideas and tasking them out for consideration.

"Chaotic, at best, is what it's like working in here, because all these ideas are flowing through considerably. It takes me personally, on average, about 10-15 minutes to process each idea," Master Sgt. Joel Meyer said.

Meyer, a security forces Airman by trade, said this is a unique opportunity for today's Airmen.

"It's an opportunity for Airmen in the field to provide an idea straight to the top, and not have

that filter of that staff sergeant on their flight, or master sergeant, or (operations) officer," Meyer said. "They don't have to go through any of that ... they can get (their idea) right to General Spencer."

Airmen who may be holding back due to reservations about confidentiality should think again.

"The people who are responsible for filtering that (submission) and looking into it deeper – they have no idea who it is. So don't be apprehensive. Submit it," Meyer said.

Uniformed and civilian Airmen can submit their ideas on how to squeeze the most out of every Air Force dollar via the Air Force portal, or EveryDollar.DoD-Live.Mil; the opportunity is live until June 1.

**Reduce, Reuse,
Recycle**



Active-duty officers sought for attaché duty

By Debbie Gildea

Air Force Personnel Center Public Affairs

JOINT BASE SAN ANTONIO - RANDOLPH, Texas (AFNS) – Active duty line of the Air Force captains, majors and lieutenant colonels interested in attaché duty could find themselves on an international affairs team in Switzerland, Venezuela, Burma and others, but those interested must submit their applications by June 20 to be considered, said Air Force Personnel Center officials.

AFPC and the Secretary of the Air Force, International Affairs office are accepting applications for senior defense official/defense attaché, air attaché and assistant air attaché duty at nine locations, with tour lengths ranging from 18 to 24 months, said Maj. Carl Wood, AFPC International Affairs Assignments.

"Attachés officially represent the secretary of Defense, chairman of the Joint

Chiefs of Staff, secretary of the Air Force and Air Force chief of staff to the host country defense ministry," he said. "They help build and sustain relationships between the U.S. and host country, provide critical advice to the U.S. ambassador and country team, and directly support our efforts to fight global terrorism."

This year, two duty locations have C-12 Huron aircraft assigned, so the attaché for those offices must be fixed-wing pilots. Only rated officers who are regional or political af-

fairs strategists may apply for the C-12 positions, the major said.

Attaché applicants must be active duty senior captains, majors or lieutenant colonels. Air operations background, foreign language skills and experience in the region are highly desired, but not mandatory.

Applicants must have taken the Defense Language Aptitude Battery test, and each applicant and all immediate family members must be U.S. citizens. Candidates must also have

their assignment functional manager's hard-copy or e-mail release to compete for attaché duty.

Applicants selected for an interview will be notified by July 25. They (and their spouses, if applicable) will be interviewed in Washington D.C.

AFPC and International Affairs will host an information webinar May 30, 10 a.m. Eastern Standard Time, on the Defense Connect Online site (<https://www2.dco.dod.mil>).

For more information about the attaché pro-

gram, go to the Air Force Portal and enter "attaché program" in the search window. To download the application, enter "attaché application" in the search window and select the May 2013 option. Applications must be emailed to AFPC and Air Force International Affairs, afpc.dpaos@us.af.mil and saf.iapa@pentagon.af.mil, by June 20.

For more information about developmental opportunities and other personnel issues, visit the myPers website at <https://mypers.af.mil>.

F-35B Lightning II celebrates 1 year at Eglin AFB

By Maj. Karen Roganov

33rd Fighter Wing Public Affairs

EGLIN AIR FORCE BASE, Fla. (AFNS) – The Marine Fighter Attack Training Squadron-501 celebrated the one-year anniversary of flying the F-35B Lightning II at Eglin Air Force Base Fla., May 22, by continuing to train up the pilots and maintainers on the nation's newest fifth-generation fighter.

"This is a once in a lifetime chance to get to write the first chapter in a story that will last 50 years and beyond," said Lt. Col. David Berke, the commander of VMFAT-501 located at the 33rd Fighter Wing's F-35 Integrated Training Center.

The low-observable fighter is designed to meet the needs of the services for the next half a century, making use of integrated sensors, the active electronically scanned array radar, and the distributed aperture system. Combined they provide the pilot with increased situational awareness and survivability.

Being able to fly such a technologically advanced fighter brings great responsibility for cultivating tomorrow's defenders of freedom.

"We owe it to our country to get it right," said Berke. Under his charge, the unit is laying the foundation for pilot and maintenance training at Eglin and providing the fleet with highly-trained people as it moves forward toward providing the Marine Corps with an initial operating capability.

Since May 22 last year, the unit has flown 833 local training sorties and logged more than 1,100 flight hours executing about 40 to 50 sorties a week. "This is a bounding leap from the three or so sorties flown a week last year at this time," said Berke.

Other accomplishments include verifying joint technical data for weapons loading thus paving the way for instructions for all three services and the partner nations; authoring well over



Marine Corps maintainers and an Airman fuels journeyman perform "hot" refueling of an F-35B Lightning II joint strike fighter at Eglin Air Force Base Fla., May 22. Cpl. Julian Morales; Sgt. Robert Coates; Sgt. Sean Fagan and Airman First Class Benjamin Nutt are one of a two-station team of trucks and maintainers that refueled four jets to complete eight sorties in about three hours. Eglin is the heart of F-35 training worldwide for the Air Force, Marines, Navy and international partner operators and maintainers of the Lightning II. (U.S. Air Force photo/Maj. Karen Roganov)

one-thousand maintenance procedures; and collaborating with industry and other F-35 sites to mature the jet, he said.

A senior leader with the F-35 program since flying the X-35 prototype aircraft in the early years and who is now the 33rd Fighter Wing's vice commander as well as an F-35B instructor pilot agreed.

"If you look at what they have accomplished in

air-to-air refueling training, ground hot refueling, multi-aircraft missions, first fleet pilots trained.... you don't just see one-time events," said Marine Corps Col. Arthur Tomassetti. "What you see is a pattern of not just demonstrating new capability but turning it into repeatable and routine operations."

By being able to refuel with a truck planeside while the jet is running has al-

lowed the unit to "increase its ability to turn sorties by 40 percent," he said. The hot refueling allowed eight F-35s to fly 16 sorties in three hours recently.

In addition to the unit accomplishments made locally, VMFAT-501 has been the catalyst to accomplishments at Marine Fighter Attack Squadron-121 at Marine Corps Air Station Yuma, Ariz.

VMFA-121 is the first operational fleet squadron anywhere in the world for the F-35 and comprised of flyers and maintainers trained at Eglin, according to Berke. Just last week a pilot trained here made his first vertical landing at Yuma. This feature allows the pilot to hover the fighter and set it down much like a helicopter.

"The ability to land in austere conditions is a key difference with the B variant of the F-35," said Berke. The Marines are planning to train the same way at Eglin in the fall.

For the upcoming year of flying, the Eglin unit also looks forward to receiving

more jets to include its first Block 2A aircraft which means a software upgrade and increased capability, he said.

"We'll grow to 18 jets by this time next year," said Marine Corps Capt. Mario Valle, a maintenance officer at the training squadron. "And in the next couple weeks we are ready to welcome a third United Kingdom pilot and UK jet."

The Marines set another first this past year by hosting the first international pilots and maintainers imbedded at an F-35 training squadron. There are 14 maintainers and two pilots from the Royal Air Force and Royal Navy working seamlessly with the unit, said Valle.

As Valle reflected upon the past year he cited the team efforts by Lockheed Martin, Pratt and Whitney, Rolls Royce, the Marine Corps, Navy, the Air Force and operational test as key to past performance and the outlook for the future achievements.

"Our success has been based on relationships."

Tunnel 9 personnel exhibit team spirit running for the gold



Lindsay Haig, an AEDC Hypervelocity Wind Tunnel 9 security specialist is shown here during the White Oak Classic 5K run and 2.5 mile walk at the two mile point.



The Federal Research Center at White Oak, home to the AEDC Hypervelocity Wind Tunnel 9, in Silver Spring Md. hosts the White Oak Classic 5K run and 2.5 mile walk each year in which Tunnel 9 personnel participate. Last month 15 Tunnel 9 individuals participated with more than 1,000 participants from the Federal Drug Administration (FDA). Tunnel 9 personnel train as a group to prepare for the race. Pictured on the back row, left to right is Lindsay Haig, Mike Fain, Bob Hurt, Arnold Collier and Dan Marren; on the middle row, left to right is Jeanette Moreno, Christine Ewing, Sarah Cole, Dennis Huprich and Mike Metzger; on the front row, left to right is John Lafferty (kneeling), Terry Mullin, Jeff Waldo, Oscar Villegas (kneeling) and Mick Marana.

MY STRENGTH IS FOR DEFENDING

AEDC Victim Advocates Hotline:

(931) 581-7494

Preventing Sexual Assault is part of our duty

Visit: MyDuty.mil



GIVE BLOOD BLOODMOBILE

June 10 ETF
June 11 PWT
June 12 A&E
June 13 VKF
June 14 Main Cafe

10 a.m. - 3 p.m. each day



American
Red Cross

www.givelife.org



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

Help Keep Our
Information

Secure



Milestones

30 YEARS

Keely Beale, ATA
Joseph Boyer, ATA
Stevy Garner, ATA
Steven Hise, ATA
Jimmy McDonald, Premiere
David Presley, ATA

25 YEARS

Mark Rigney, ATA
Stevie Sullivan, ATA
Mary West, ATA

20 YEARS

Robert Brock, AF
Peggy Glass, ATA
Alan Swann, ATA

15 YEARS

Russell Austin, ATA

10 YEARS

Neil Aukeman, ATA
Timothy Brown, ATA
Michael Cowan, ATA
James Crawford Jr, ATA
Karen Morris, ATA
Thomas Northcott, ATA
Robert Park, ATA
Norman Smith, ATA
David Stanek, ATA
Samuel Stewart, ATA
Kenneth Taylor, ATA
Richard Taylor, ATA
Timothy Taylor, ATA

5 YEARS

Deborah Cantrell, ATA
Jeffrey Youngblood, ATA
INBOUND MILITARY
Capt Scott Vanhoogen, AF

OUTBOUND MILITARY

1Lt John Labouliere, AF
Lt Col Gregg Leisman, AF

RETIREMENTS

D D Bartlow Jr, ATA

Larry Roberts, ATA

NEW HIRES

Tommy Anderson Jr, ATA
Samuel Anderson, ATA
David Ansley, ATA
Terry Archey, ATA
Richard Bagley, ATA
Richard Bagley Jr, ATA
Brian Barnes, ATA
Michael Bunch, ATA
Trenton Bussell, ATA
Douglas Camp, ATA
Charles Champion, ATA
Michael Cleek, ATA
Steve Cowan, ATA
Tommy Cross, ATA
Deanna Croxen, AF
Scott Cutshaw, ATA
Tammy Denton, ATA
Nathan Dotson, ATA
Charles Easley, ATA
Jeff Farris, ATA
Gary Fulmer Jr, ATA
Andrew Gaby, ATA
William Garner, ATA
Samuel Gilbert, ATA
Keith Gipson, ATA
Richard Gunn, ATA
Brian Hale, ATA
Christopher Harrell, ATA
James Hice, ATA
Johnny Hicks, ATA
William Hill, ATA
Anthony Jimcoily, ATA
Matthew Kologinczak, ATA
Charles Lee Jr, ATA
Ronnie Long, ATA
Kevin Lovvorn, ATA
Jason Lusk, ATA
Jeffery Mann, ATA
James Melton, ATA
Hiedi Messerly, AF
Michael Mills, ATA
Michael Money Jr, ATA
William Morton, ATA
Peter Neal, ATA
Russell Neel, ATA

Scott Pogue, ATA
Robert Porter, ATA
R B Ray, ATA
Jerry Reed, ATA
Sharon Reis, AF
Kelly Roberts, AF
James Rollins, ATA
David Schlykov, ATA
Omra Schultz, ATA
Michael Shadrick, ATA
John Shahan, ATA
Michael Slack, ATA
Kenneth Staten, ATA
Wesley Steelman, ATA
Christopher Stevens, ATA
Kelvin Sweeton, ATA
Terry Tate, ATA
Samuel Teat, ATA
Joseph Todd, ATA
Charles Trussell, ATA
Ray Uselton, ATA
Jon VanScoten, ATA
Chevis Vaughn, ATA
Johnny Watson, ATA
Lee Wilkinson, ATA
Joseph Wortman, ATA

PROMOTIONS

Joshua Coughenour, to first lieutenant
Brian Fair, to master sergeant
Chance Johnson, to first lieutenant
John Labouliere, to captain
Danielle Morris, to master sergeant
Charmeeeka Scroggins, to captain
Samuel Stephens, to first lieutenant
Akshay Tripathi, to first lieutenant

GRADUATE / DEGREES

Henry Horne, MS Aerospace Engineering
Nathan Lister, MS Mechanical Engineering



Capt. John Labouliere (center) is shown here at his promotion ceremony with (left to right) his father, John Labouliere; his son, Jackson Labouliere; his daughter Evie Labouliere; and his wife, Stephanie Labouliere. (Photo by Rick Goodfriend)



Master Sgt. Danielle Morris (center) is pictured here at her promotion ceremony with Col. Raymond Toth (left) and Senior Master Sgt. Patrick Lazarus. (Photo by Rick Goodfriend)



1st Lt. Joshua Coughenour (2nd from left) is shown here during his promotion ceremony with (left to right) his mother, Rhonda Coughenour; his father, Scott Coughenour; and his fiancé, Casey Bolin. (Photo by Rick Goodfriend)



Master Sgt. Brian Fair (center) is pictured here at his promotion ceremony with Col. Raymond Toth (left) and Senior Master Sgt. Patrick Lazarus. (Photo by Rick Goodfriend)



1st Lt. Sam Stephens is pictured here during his promotion ceremony with his sister, Tracy Stephens (left), and father, David Stephens. (Photo by Rick Goodfriend)



1st Lt. Chance Johnson (center) is shown at his promotion ceremony with Col. Rick Petito (left) and 2nd Lt. Joey Achenbach. (Photo by Rick Goodfriend)



1st Lt. Akshay Tripathi (center) is shown during his promotion ceremony with Col. Patrick Tom (left) and Capt. Nicholas Bauer. (Photo by Rick Goodfriend)

Through Airmen's Eyes: Capturing history one brush stroke at a time

By Elizabeth Stoeckmann
Air Force Network Integration Center

SCOTT AIR FORCE BASE, Ill. (AFNS) – Armed with his Nikon D90 camera, Warren Neary, Air Force Reservist, civilian and artist stands in 22-degree weather to capture and witness the history of President Barack Obama's inauguration. In a first for the Air Force Art Program in covering an inauguration, Neary was one of only three artists invited to capture the proceedings and create paintings for the Air Force Art Collection. That's just one example of the many opportunities Neary witnessed throughout his civilian, military and artist careers.

He's an Individual Mobilization Augmentee (IMA Reservist) for the Air Force Space Command history office, as well as a career civilian for the Air Force Network Integration Center history office and one of

approximately 200 civilian artists in the AF Artist Program.

Unbeknownst to most, Neary's experience and reputation speaks volumes. He's a sought after officer, dedicated civilian and a very accomplished artist, with works spanning from the Pentagon and AFNIC hallways, to local and national art galleries.

"It's the Total Force experience," said Neary. "I have had the opportunity to see the big-picture perspective of various missions and operations in multiple roles, as an active duty and Reserve public affairs officer, Reserve and civil servant historian, and artist in the Air Force Art Program. It's fascinating capturing our legacy in text and paint. Although there are vast differences in each of these professions, they are also similar in identifying and



Air Force Reservist and artist Maj. Warren Neary, pictured here as a captain, with the completed painting entitled "AFSPC Wideband Global SATCOM System Support to Warfighter Operations," also included in the Air Force Art Collection. Neary has completed 20 paintings for the Air Force Art Program. He has been painting for more than 20 years. (Courtesy Photo)

capturing the essential elements to effectively tell a part of the Air Force story."

It all started for Neary

in high school, where he graduated as the Art Sterling Scholar, followed by a Bachelor of Fine Arts

degree on a two-year art scholarship from Utah State University. Upon graduation, Neary accepted a commission as an officer in the Air Force, serving for eight years on active duty. He later finished a Master of Fine Arts degree to pursue a career as an artist and continue as an officer in the Air Force Reserve. His most recent civilian career started in 2011 when he became the AFNIC historian.

Neary has 12 years of experience with the Air Force Art Program and has created 20 paintings in the Air Force Art collection representing subjects such as Air Force Space Command's response to Hurricane Katrina, satellite operations in support of the war fighter, the 50th Anniversary of ICBMs, Pacific Air Forces' Red Flag-Alaska Aggressor Mission, Air Force Special Operations Command's Air Commandos of the Pacific rescue mission of Occum's

Razor crew members, and most recently the Air National Guard's airlift mission in support of the first lady of the United States.

Neary said the Air Force Art Program and Air Force History Program go hand-in-hand.

"As historians, we are an organization's corporate memory, and we keep the official record with hundreds of supporting documents ... the Air Force legacy for those who follow," Neary said. "Air Force artists capture our operations with a visual language that can be immediately recognized and appreciated by those who have the opportunity to view these artworks on exhibition. My experience in each of these roles has facilitated me in the others, in covering and telling the Air force story."

After seeing missions first hand as an artist, Neary makes mental notes of the

See HISTORY, page 14

NOW'S NOT THE TIME TO DETERMINE IF YOU HAVE FLOOD INSURANCE

ACT NOW BEFORE IT'S TOO LATE!

BE READY

FEMA Ready

www.BeReady.af.mil

OPSEC

A SOLID FOUNDATION FOR MISSION SUCCESS

NATIONAL OPERATIONS SECURITY PROGRAM 1988-2008

Chaplain overcomes adversity, delivers hope

By Staff Sgt. Katherine Tereyama
31st Fighter Wing Public Affairs

AVIANO AIR BASE, Italy (AFNS) – As the proud owner of three master's degrees and a doctorate, Chaplain (Lt. Col.) John Tillery has dedicated his life to service in the U.S. Air Force. While it may seem that those who have attained a doctorate are among the ranks of the elite and the privileged, Tillery has proven an exception to that rule.

"People would think that with my educational background that I had been groomed for that," he said. "In fact, nothing could be further from the truth."

Growing up in a violent and chaotic home, education was not something he was given the opportunity to succeed in at a young age. Throughout Tillery's childhood, his young mother struggled to raise him and his brothers, often with the help of violent men.

"I've been tied up, I've been beaten, I've been burned with cigarettes," Tillery said with pain and difficulty. "One (of my mom's boyfriends) was particularly violent. He would use a cattle prod just to watch us jerk around."

A cattle prod is meant to usher animals with jolts of electricity, but the man used the prod to shock the feet of Tillery and his brothers while they slept.

"To this day, I can't sleep with my feet uncovered," Tillery said.

The man would seek the boys out to punish them, he continued.

"We would all scatter like mice," Tillery added.

The violence in the house was so overwhelming that at times, Tillery would seek out even the darkest of places in order to escape the brutality.

"There was this little place I would go, built into the wall there was a little door, it was our dirty clothes hamper," Tillery said. "You know that man never looked there? Not once. It was a perfect little hiding place for me. When I hid there he never found me – ever. It was a place that was safe."

Because of the chaos in his home life, Tillery moved to two or three different schools every year and didn't learn how to read until the third grade. Even then, he was placed into the lowest reading group in his class because he was still working at a kindergarten level.

"I don't have a single memory of my mom, or any adult, helping me with my homework," he said. "When I went into the second grade, I didn't even know my alphabet."

Despite the challenges



Chaplain (Lt. Col.) John Tillery reads the Bible in a chapel pew at Aviano Air Base, Italy. While Tillery is a successful man now, he had a difficult upbringing as a child and didn't learn to read until he was in the third grade. (U.S. Air Force photo/Staff Sgt. Katherine Tereyama)

he faced during his childhood, Tillery was able to regain hope for his future through the help of his teacher in third grade.

"I had never heard, 'good job,' I had never heard, 'good boy,'" Tillery said. "I had never heard 'you can do it, try harder, I'm with you.' Those are words I had never heard. And so, in addition to those words, the most

important thing she gave me was a smile."

With the support of his teacher, he moved up to the best reading group and became one of the strongest readers in his class during the four months he was at that school, Tillery said.

The violence and upheaval continued throughout his childhood and into his teens, but thanks to his

teacher, he now had a place to retreat to during difficult times, when he couldn't escape to his hiding place in the wall.

"What I found was that when I was around (my mom's boyfriend) or any number of men that would come in and out of my mom's life, that hiding place was not always there for me," Tillery said. "What I discovered when I began to learn how to read was that I could go anywhere – I could go to Greece, I could go to Rome, I could go to outer space, I could go to the old West – it didn't matter."

"One of the fixed features of our home was fear," Tillery said. "With reading, I could go to a safe place in my own mind. For me, reading is not just a pastime and it's not merely an escape either. It puts me in a place where all is right with the world, no matter what is going on around me."

Because of his upbringing, Tillery said he was fearful he would also grow into a cruel man like the ones he had known all his life.

"All growing up, I knew I was going to end up in prison, I knew I was going to become drug addled, and I knew I was going to do some kind of violent thing," he said. "But I remember very clearly deciding when I was 11 years old that I would not be a violent man."

When Tillery was 15, his philosophy was put to the ultimate test.

"My stepfather got a branch – not a switch, a branch – and he beat my younger brother and (me)," he said. "We were literally bloodied on the floor. My older brother went to get the gun and threatened to kill (my stepfather) if he was there when he got back."

After that, Tillery and his brothers left home. His older brother joined the Army and Tillery went to live with his girlfriend's family and soon after had a child and was married. Shortly after his daughter was born, Tillery's wife left him, and he was left homeless and impoverished at the age of 17.

"During the draft, Jan. 11, 1972, I joined the Army," Tillery said. "I wanted to go to Vietnam because, as far as I was concerned, there was nothing worse than what I was already going through."

Even though Tillery had never attended high school or even earned his GED diploma, he was selected to be a Russian linguist. However, during his first several months in training, he drank heavily and was considered to be unreliable. He was booted out of the program and moved to the artillery career field.

While in the unit, Tillery

See **CHAPLAIN**, page 14



Who's Watching?

All violations are reported to the AF Cyber Command and the local base commander

"Apparent" violations are investigated

No personal media or devices of any type are allowed to be connected to a government computer – not even if the USB is used for charging the battery, items prohibited include:

iPods, mp3 players, PDAs, cell phones, Smartphones, Blackberrys, memory sticks, thumb drives, camera flash memory cards







STORM TIP #1

Don't play chicken with a tornado!





www.BeReady.af.mil




Guard service leads Airman to extremes

By Senior Master Sgt. George Thompson
386th Air Expeditionary Wing

SOUTHWEST ASIA (AFNS) – Staff Sgt. Sophia Mantzouris of the 386th Aircraft Maintenance Squadron said she knew she wanted to enlist on active duty from the time she was a little girl, but a friend steered her toward the Air National Guard.

Her Air Guard service has provided her an opportunity to serve at extremes.

"The first guard unit I joined was the 109th (Airlift Wing) in Scotia, N.Y.," Mantzouris said. "I served there for nine years and I became an engine troop because, at the time, they had the most educational benefits, the highest bonus, and I wanted to take advantage of every opportunity the Guard had to offer."

Being a single-parent Air-

man presents its own set of challenges for Mantzouris.

"Being a single mom is difficult, because it's two ways that I've completely dedicated my life," she said. "I'm a perfect example of the importance of a family care plan."

The family care plan is designed to provide a smooth, rapid transfer of responsibilities to designees during short- and long-term absences for military duty.

"My plan allows me to be there for my Guard unit as best I can and still make sure that my daughter is properly cared for as she needs to be," she said.

While serving with the 109th Airlift Wing, Mantzouris put her plan into effect to support Operation

Deep Freeze missions in Antarctica – a stark contrast to the desert heat of her current deployment here.

"In some ways (Antarctica is) like here, but it's frozen," she said. "You deal with the extreme cold instead of the extreme heat. When the wind starts whipping down there, it's like the sandstorms here where you can't even see in front of your face."

Due to the harsh Antarctic environment, Operation Deep Freeze missions are flown during the Southern Hemisphere summer. But in Antarctica, those summers don't lend themselves to frozen treats or cooling off.

"The day I went to South Pole Station it was minus 15 degrees, and the scientists that were there said, 'It's like a heat wave right now,'

and I said, 'You've got to be crazy,'" she said. "It's not like here, where you can get parts from Bagram (Airfield, Afghanistan) on the next plane. You're all by yourself down there."

Mantzouris has once again put her long-term family care plan into action supporting the Delaware Air National Guard's 166th Airlift Wing C-130 Hercules rotation at the 386th Air Expeditionary Wing, where summer temperatures routinely top 100 degrees. So far, she'd rather be here than in Antarctica.

"I hate the cold, which is why my family thought it was comical that I joined the only unit in the entire world that belongs to the Antarctic mission," she said. "So far, the heat hasn't bothered me, but talk to me again before I leave in July, and we will see."

Predator passes 20,000-hour mark in Afghanistan

By Capt. Brian Maguire
451st Air Expeditionary Wing Public Affairs

KANDAHAR AIRFIELD, Afghanistan (AFNS) – An MQ-1 Predator assigned here recently became the first Predator to pass 20,000 flying hours over Afghanistan, a feat equivalent to flying 15 hours every other day, for 2,667 days.

While the Predator remotely piloted aircraft program surpassed one million hours of total development, test, training and combat in August 2011, this is the first airframe to accumulate 20,000 flying hours individually.

"Reaching this milestone is significant, but what's more special are the missions we enable every day," said Lt. Col. Russ Garner, 62nd Expeditionary Reconnaissance Squadron commander.

Maintainers are the key to enabling a single airframe to reach so many hours, Garner said. Maintenance keeps the aircraft flying, especially through the extreme weather in Afghanistan, he added.

"Without maintainers

we couldn't reach this milestone, let alone get in the air," the squadron commander said. "This achievement is really a tribute to our maintainers."

A team of military and civilian personnel maintain and repair the aircraft.

The mission of the 62nd ERS is to provide launch and recovery for RPA assigned to the 451st Air Expeditionary Wing here.

"With only two percent of the RPA aircrew [in the career field deployed here], we're enabling 98 percent of the mission," Garner said.

"During their deployment there are no days off for the crew, while they set an unbelievable operations tempo."

The MQ-1 and MQ-9 Reaper are assigned to the squadron and conduct intelligence, surveillance, and reconnaissance, and close-air support missions in support of Operation Enduring Freedom. The aircraft are operated by Airmen with the 62nd ERS, U.S. crews located stateside and Royal Air Force crews in the United Kingdom.



Staff Sgt. Sophia Mantzouris conducts an inspection on a C-130 Hercules at the 386th Air Expeditionary Wing, Southwest Asia. Mantzouris, native of East Greenbush, N.Y., is deployed here from the 166th Airlift Wing, Delaware Air National Guard. She is a 386th Expeditionary Maintenance Group aerospace propulsion journeyman. (U.S. Air Force photo/Senior Master Sgt. George Thompson)

BEWARE
of CREATIVE
DATA THEFT
METHODS



Do your part – Please recycle this paper after reading!

CHAPLAIN from page 11

began to turn his life around. He stopped drinking, made friends and began attending church.

"I didn't believe in God, I had no reason to," Tillery recalled about his childhood. "If there was a God, he wouldn't allow to happen to people what I saw happen."

Though Tillery was a committed atheist at the time, his friend Myron began bringing him to church on Sundays.

"He was a person of faith, but he didn't push it on me ever. On Sundays, he would leave for church and he would say in the morning 'I'm leavin' and I ain't coming back to pick you up. If you wanna go, you go with me now,'" Tillery said, laughing at the memory. "Sometimes I would resist, but the fun was always worth the pain of going to church."

"I came to believe in God," Tillery said. "I began

to gain a larger, greater sense of purpose and hope and meaning, and most importantly, forgiveness. I was able to forgive others, and ultimately, I was able to forgive myself."

As he internalized the lessons he was learning, he began to feel compelled to join the ministry. He had never understood the value of chaplains until visited one for grief counseling after a shooting death in his unit.

"It was then that I realized you don't have to carry a weapon to be a warrior," Tillery said. "That's something you carry in your heart, not in your hands."

He once again found solace in reading, this time in the Bible, a book that he had always disdained in the past.

"I have read the Bible numerous times, I have learned Hebrew and I have learned Greek," Tillery said. "I love all of the

wealth that goes behind that, that's underneath that. The Bible gets embedded in your heart in such a way that it controls your life, so that you do the right thing as a way of existing, as a way of being. It's my guide."

After his enlistment in the Army was over, the boy who had never stepped foot in a high school earned an associate's degree, a bachelor's degree, three masters' degrees and a doctorate – and joined the Air Force's Chaplain Corps. He has since risen to the rank of lieutenant colonel and has spent 17 years serving his country as a chaplain.

When his time in the Air Force is over, Tillery said he plans to become a teacher.

"I find that ironic," Tillery said with a smile. "A boy who literally could not read wants to teach others to read not just words, but life."

HISTORY from page 10

subjects, draws compositions and looks through supporting reference material in order to create a painting.

"It takes time to create a successful painting; representational subjects such as Airmen in action or fighter jet operations are easier to capture. Satellite operations are a bit tougher, and I personally find cyber even more challenging in telling the story visually. You can't reach out and touch it; you can't see cyber like you can see a satellite launch vehicle taking off. It is also very technical, complex and it touches almost everything we do," said Neary.

Once AF artist paintings are completed they are do-

minated to the Air Force. The average time a painting takes ranges from a few hours to weeks or months, depending on the size and the complexity of the painting. The final outcome will be an oil painting that will showcase a mission for years to come.

In some cases, paintings are exhibited at the National Museum of the United States Air Force, Wright-Patterson Air Force Base, Ohio. Air Force leadership will often host a ceremony to recognize and unveil the Air Force artists' collection.

No doubt, Neary is as scholarly today as he was when he graduated high school years ago. His continued talent, passion and

experience for history and art are what drive his success one brush stroke at a time.

"It's truly a unique opportunity for the public to see these paintings depicting the contributions of our Airmen and Air Force operations around the world in serving our country," Neary concluded.

The Air Force Art Program was founded after World War II with 500 paintings from the Army, and continues a long tradition by documenting Air Force operations from the artist's perspective. The collection now contains over 10,000 artworks that hang in government buildings around the world showcasing the Air Force's proud legacy.

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 by June 15.

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 time 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

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 **closed June 8** for a special event.

Books Are Fun is back for a **book fair** from 9:30 a.m. - 3 p.m. June 4 in the A&E Building's Café 100. Discounted selections include paperbacks, best sellers, educational, reference, cookbooks, children's items, gift selections and more. Save up to 70 percent off retail prices.

Arnold Lakeside Center's new monthly program **Brushes and Bottles** will be held 6-8 p.m. at the GLC June 14 and 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

Ballroom Bootcamp comes to ALC

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 ALC dining room will be open 5-9 p.m. Call 454-3350 for more information and to sign up by July 16 or Aug. 13.



Missoula Children's Theatre returns June 24-28 for "The Wizard of Oz"

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.

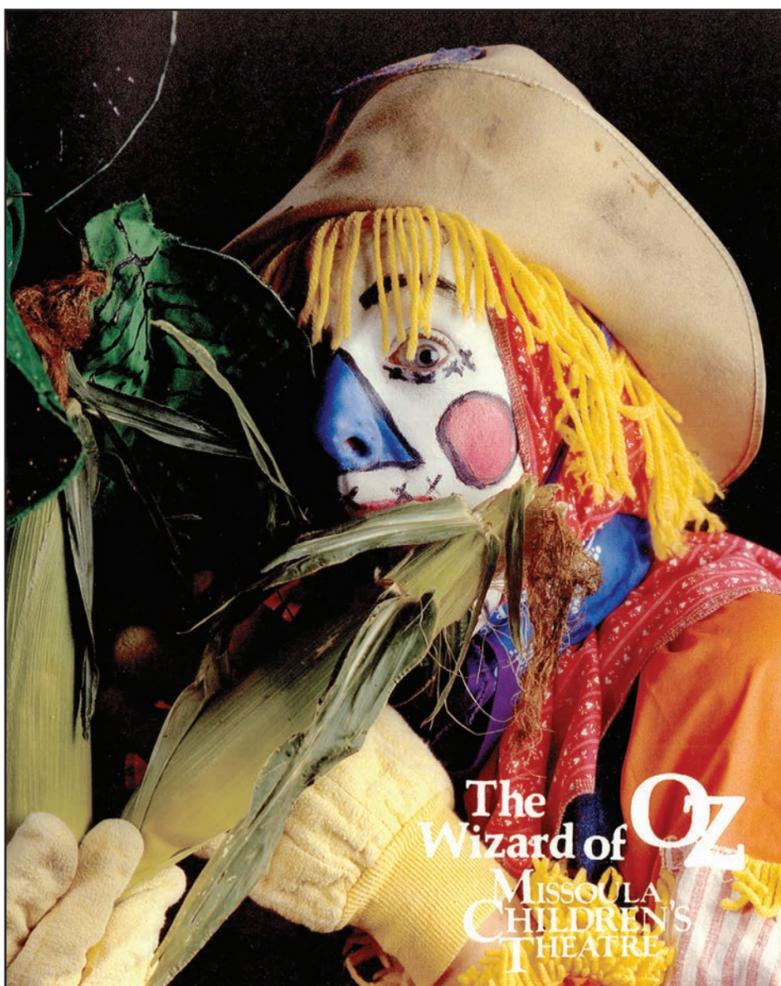
Among the roles to be cast are Dorothy, Toto, the Lion, the Tin Man, the Professor/Wizard, the Green Guard, Glinda, the Wicked Witch, Mayor Munchkin, Farmer Munchkin, the Munchkins, the Winkies, the Magicians and the Fierce and Ferocious Flowers. No advance preparation is necessary. Assistant Directors 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 information and to pre-register, call 454-3415.



ALC Singles 8-Ball Pool Tournament begins July 6

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 cham-



pionship 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.

Fishing Rodeo set for June 22 at Crockett Cove

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.



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

Services information written and provided by Tanya Bryan

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
 Complex Manager – 454-3367
 Arnold Lakeside Center (ALC) – 454-3350
 Arnold Lakeside Center catering – 454-3350
 Hap's Pizza – 454-5555

Café 100 – 454-5885
 Membership Information – 454-3367
 Information, Tickets & Travel – 454-3303
 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 Coffee Bar and Grill - 454-FOOD (3663)
 Outdoor Recreation (ODR) – 454-6084
 includes Marina, FamCamp,
 Crockett Cove &
 Dogwood Ridge

July 2013

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<p>Missoula Children's Theatre returns June 24-28 for "The Wizard of Oz." Students grade 1-12 may pre-register by calling 454-3415. Open to Public</p>	<p>1 FC Hot 250 begins – log 250 miles bicycle riding FC Boot Camp 6 a.m. FC Yoga 11 a.m. FC Cycling Class 11 a.m.</p>	<p>2 FC Cycling Class 11 a.m. FC Interval Class 3:30 p.m.</p>	<p>3 FC Boot Camp 6 a.m. ALC Café 100 BBQ lunch special \$6 FC Yoga 11 a.m.</p>	<p>4 FC Open 8a.m. – 1 p.m., no classes ALC Café 100 & Barber Shop Closed</p>	<p>5 Barber Shop Closed FC Boot Camp 6 a.m. FC Yoga 11 a.m. ALC No First Friday Jam due to holiday weekend</p>	<p>6 ODR Archery Basics Class, 9 a.m., \$5 LC Singles 8-Ball Pool Tournament, 6 p.m., age 18+ ODR FamCamp Guests free movie, "Lincoln", PG-13, 7:30 p.m.</p>
<p>7 ODR Camping Guests Lake Tour, 12-2 p.m., \$5</p>	<p>8 FC Boot Camp 6 a.m. FC Yoga 11 a.m. FC Cycling Class 11 a.m.</p>	<p>9 FC Cycling Class 11 a.m. FC Interval Class 3:30 p.m.</p>	<p>10 FC Boot Camp 6 a.m. FC Blood Pressure Screening, Café 100, 11 a.m.-12p.m. ALC Café 100 BBQ lunch special \$6 FC Yoga 11 a.m. ALC Café 100 will begin closing at 1 p.m.</p>	<p>11 FC Cycling Class 11 a.m. FC Interval Class 3:30 p.m. ALC Movie Night "Admission" PG-13 6:30 p.m. dinner available 5-8 p.m.</p>	<p>12 FC Boot Camp 6 a.m. FC Yoga 11 a.m. ALC Brushes and Bottles, \$25, 6-8 p.m., sign up by July 9, 454-3350</p>	<p>13 ODR Kayaking for Beginners Class, 9 a.m., \$10 ALC Cornhole Tournament, all ages, free, 5-10 p.m., sign up by July 10, 454-3350</p>
<p>14</p>	<p>15 FC Boot Camp 6 a.m. FC Yoga 11 a.m. FC Cycling Class 11 a.m.</p>	<p>16 FC Cycling Class 11 a.m. FC Interval Class 3:30 p.m.</p>	<p>17 FC Boot Camp 6 a.m. ALC Café 100 BBQ lunch special \$6 FC Yoga 11 a.m.</p>	<p>18 FC Cycling Class 11 a.m. FC Interval Class 3:30 p.m. ALC Movie Night "The Croods" PG 6:30 p.m. dinner available 5-8 p.m.</p>	<p>19 FC Boot Camp 6 a.m. FC Yoga 11 a.m. ALC Dart Tournament, 6-9 p.m., 301 & Cricket, monthly prizes, Oct. championship with grand prize</p>	<p>20 GC Arnold Tri-City Medal Play Championship, 8a.m., 454-GOLF ALC Ballroom Bootcamp, 5-9 p.m., 454-3350 ODR FamCamp Guests free movie, "Oz the Great & Powerful", 7:30 p.m.</p>
<p>21 GC Arnold Tri-City Medal Play Championship day two ODR Camping Guests Lake Tour, 12-2 p.m., \$5</p>	<p>22 FC Boot Camp 6 a.m. FC Yoga 11 a.m. FC Cycling Class 11 a.m.</p>	<p>23 FC Cycling Class 11 a.m. FC Interval Class 3:30 p.m.</p>	<p>24 FC Boot Camp 6 a.m. ALC Café 100 BBQ lunch special \$6 FC Yoga 11 a.m.</p>	<p>25 FC Cycling Class 11 a.m. FC Interval Class 3:30 p.m. ALC Movie Night "G.I. Joe: Retaliation" PG-13 6:30 p.m. dinner available 5-8 p.m.</p>	<p>26 FC Boot Camp 6 a.m. FC Yoga 11 a.m. ALC Last Friday Trivia 6:30 p.m.</p>	<p>27 ODR Kayaking for Beginners Class, 9 a.m., \$10 ALC Singles 8-Ball Pool Tournament, 6 p.m., age 18+.</p>
<p>28</p>	<p>29 FC Boot Camp 6 a.m. FC Yoga 11 a.m. FC Cycling Class 11 a.m.</p>	<p>30 FC Cycling Class 11 a.m. FC Interval Class 3:30 p.m.</p>	<p>31 FC Boot Camp 6 a.m. ALC Café 100 BBQ lunch special \$6 FC Yoga 11 a.m.</p>	<p>ALC Tournaments Dart 301 & Cricket begins June 21 Singles 8-Ball Pool begins July 6 Cornholde July 13</p>		

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.**

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 May 2013 totaled \$5,598.68

BRIEFS from page H1

Arnold Lakeside Center (ALC) 454-3350

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 these events are June 11 and July 9. Class size is a maximum of fifteen. Call 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 ques-

tion. 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**

See BRIEFS, page H3

BRIEFS from page H2

Arnold Lakeside Center (ALC) 454-3350

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 individuals 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 aclubs.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 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.

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.

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.

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 Watters 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 11a.m.-12p.m.

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

Interval Training Tues-

day and Thursday 3:30-4:30p.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 15, 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 8, 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 8 - "Parental Guidance," PG, 1 hr. 45 min. Artie and Diane agree to look after their three grandkids when their type-A helicopter parents need to leave town for work. Problems arise when the kids' 32st-century behavior collides with Artie and Diane's

old-school methods.

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 magi-

See BRIEFS, page H4

Fitness Center performs Blood Pressure Checks

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.



July Movie Schedule

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



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.

July 11



July 18



July 25



The Green Scene

brought to you by Services Recycling Program

Recycling Cycle

Recycling is a continuous loop that works only if the collected materials are turned into products, bought and used again.

Drink Bottles - made into bottles, deli trays, carpets, clothing, auto parts, and lumber
Recycled once into bottle but other items several times

Shampoo Bottles & Milk Jugs - made into laundry or oil bottles, bins, bags, decking and lumber
Recycled into other items several times

Paper - made into boxes, bags, plates, newsprint, printing & writing paper, tissue, towels, packaging, insulation, and ceiling tile
Recycled up to 7 times

Metal Cans - made into new can in only 60 days!
Recycled endlessly

Bottles & Jars - 100% recyclable
Recycled endlessly



Thank You from The Green Team
Robbie Evans (manager), Doug Richards, Matt Gluck
931-454-6068

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.

BRIEFS from page H3

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

cian 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 FamCamp docks at noon.

Paintball continues with regular play every Saturday. Paintball is for ages 10 and older and ages 10-17 must have a parent permission form. Remember to wear appropriate clothing – long pants, a long-sleeved shirt and closed toe shoes. Regular Saturday play is every weekend from 9:30 a.m. to 2:30 p.m. Those interested need to call and sign up at least a day ahead of time to ensure equipment availability. When the day arrives, simply meet at the paintball field and get play underway with the direction of an Outdoor Rec (ODR) staff member. Cost is \$35 per person with equipment provided and includes 500 paintballs and a tank of air. It is \$20 per person for those with their own equipment and that also comes with 500 paintballs. All paintballs used must be purchased from ODR for \$13 per bag of 500 or \$45 for a box of 2000. Call 454-6084 for more information about the paintball program or to sign up for these events.

Paintball will not be held July and August due to heat conditions.

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 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 for more details or to make reservations.

RV and Covered Boat Storage slots available. Outdoor Rec has slots available in the RV storage yard. Each slot is 30 ft. long and 10 ft. wide and rents for \$25 per month or \$250 per year. The covered boat storage has 9 slots open. The boat storage slots are 40 ft. long and 12 ft. wide and rents for \$45 per month or \$450 per year. Both storage yards require proof of registration

and insurance of item placing in storage along with a signed contract based on length of stay. Access to the storage yard will be granted at the time the contract is signed. Call for more details or to reserve your slot.

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!

**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 \$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 454-4003.