

Serving the World's Premier Flight Simulation Test Complex

Arnold AFB, Tenn. Vol. 63, No. 8

US POSTAGE PAID TULLAHOMATN

April 18, 2016

Testing at AEDC assists in further integration of the Advanced Short Range Air-to-Air Missiles

By Deidre Ortiz ATA Public Affairs

In February, missile manufacturer MBDA announced that the first Advanced Short Range Air-to-Air Missiles were delivered to the U.S. for on the F-35 Joint Strike aircraft. Fighter Lightning II.

Store separation testing of the Advanced Short Range Air-to-Air Missile has been conducted in the wind tunnels at AEDC. Separation testing of the as the AIM-132, with the F-35 was last performed in the 4-foot transonic aerodynamic wind tunnel at the Propulsion Wind Tunnel facility in 2008.

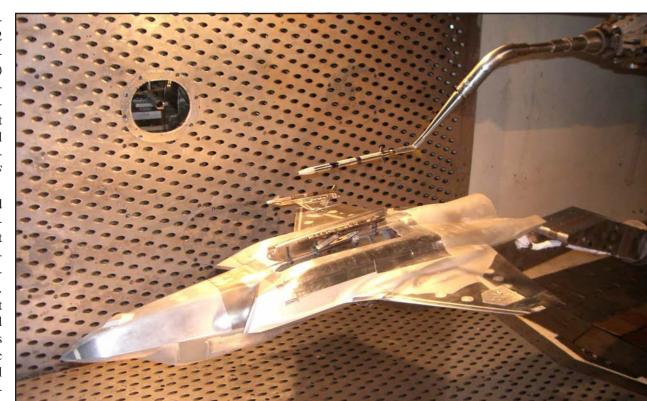
test was to investigate separation characteristics of several armathe AIM-132 as well as

AGM-154 Joint Standoff Weapon, GBU-32 (1,000-pound Joint Direct Attack Munition) and Paveway IV, from internal and external weapons stations of the Short Take-off and Vertical Landing and Carrier Variintegration and testing ant versions of the JSF

> Test data included store freestream, pseudofreestream (i.e. aircraft model in tunnel), aerodynamic grid, captive trajectory and captive loads.

Results from the test ASRAAM, also known have supported internal and external weapons separation characteristic evaluations and structural analyses for various aircraft weapons loadings.

According to the re-The objective of the cent release by MBDA, the ASRAAM is intended and Royal Navy's F-35Bs to-air capability." ments, which included and will provide Britthe AIM-9X, AIM-120C, "highly capable, passive, Calif., and Naval Air Sta-



Separation testing of the ASRAAM, or AIM-132, was conducted in the 4-foot transonic aerodynamic wind tunnel at the AEDC Propulsion Wind Tunnel facility in 2008. Pictured is a test model of the F-35 with AIM-132 separating from the weapons bay. (AEDC photo)

ish Lightning IIs with a efforts at Edwards AFB,

for the Royal Air Force within visual range air- tion Patuxent River, Md., resentative targets. The tional capability with the will include captive carry ASRAAM integration is F-35 by end of 2018. The Integration and test and safe-separation tests anticipated to be a step UK has committed to that will eventually lead toward the RAF and RN purchasing at least 138 of to live shots against rep- declaring initial opera- the strike fighters.

Winton receives national award for AEDC natural resource conservation management



AEDC Wildlife Manager Wes Winton (left), with the Tennessee Wildlife Resources Agency, recently received the 2016 National Military Fish and Wildlife Association Award for law enforcement in support of the Natural Resource Conservation Management on Department of Defense lands. Winton is pictured with AEDC Natural Resource Manager Shannon Allen who nominated him for the award. (U.S. Air Force photo/Holly Fowler)

By Raquel March ATA Public Affairs

Wes Winton, a wildlife manager with the Tennessee Wildlife Resources Agency, received the 2016 National Military Fish and Wildlife Association Award for law enforcement March 17 in support of the Natural Resource Conservation Management on Department of Defense lands.

He was recognized the NMFWA during Workshop awards banquet in Pittsburgh, Pa.

Winton, who manages the AEDC Wildlife Management Area which includes 32,000 acres, was

nominated by Shannon source manager.

Winning the for Winton.

award. The award speaks other efforts as needed. highly of the long-stand-

Allen, AEDC Natural Re- ton's law enforcement was an unexpected honor the investigation of walnut tree thefts for market "When Shannon Allen resale; investigation of called me a few months gate destruction and tresago to inform me of re- passing on federal propceiving the award, I was erty; and investigation of surprised that I had even accidental electrocution been nominated and ec- of a federally protected static that I had won it," bald eagle. Additionally, Winton said. "I am hon- he provides officer supored and humbled to re- port on Wood's Reservoir ceive such a prestigious and Arnold roadways and

"Wes keeps everyone ing relationship between safer by supporting our Arnold AFB and TWRA, Protective Services and and [it] is evident that the protects Arnold AFB natupartnership is working ral resources by educating constituents and enforcing

Allen stated that Win- game laws," Allen said.

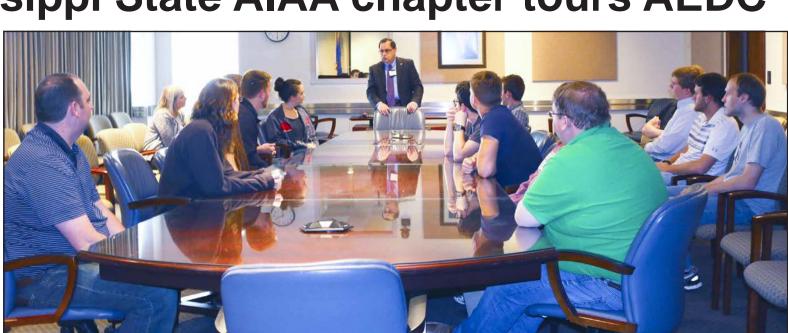
Recreational visitors management at AEDC and hunters of deer, turincluded actions such as key, waterfowl and small game visit the AEDC Wildlife Management Area throughout the year. Winton's management of the area ensures visitors have an enjoyable experience, and he views his job as a "dream job."

"I have a job that gives me the opportunity to help take care of and work in God's creation every day," Winton said. "The duties of a Wildlife Manager are many and the tasks are varied which is the most enjoyable part of the job;

See WINTON, page 3

Mississippi State AIAA chapter tours AEDC

After attending the American Institute Aeronautics and Astronautics conference in Huntsville, the AIAA chapter at Mississippi State University made a stop at AEDC April 6 to tour the different test facilities and learn about the wide array of job opportunities available at the Complex. For their first stop on base, the group was welcomed by Dr. Mark Mehalic, executive director of AEDC. (U.S. Air Force photo/ Holly Fowler)





Arnold Outdoor Recreation recognizes AEDC commander spouses through boat naming

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HIGH MACH

Arnold Engineering Development Complex An Air Force Test Center **Test Complex**

Col. Rodney Todaro Commander

> **Jason Austin** Chief, **Public Affairs**



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The High Mach office is located at 100 Kindel Drive, Suite A236, Arnold AFB, Tenn. 37389-1236. 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.

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- Integrity first
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Vision

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

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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

Adapt and overcome

By Staff Sgt. Lealan **Buehrer**

182nd Airlift Wing Public

PEORIA, III. (AFNS) - My firstborn child recently turned 2 months old. Amidst the irresistible joy of having a new little buddy, I look back and wonder how my spouse and I survived.

I am a writer, but there are no words I can find adequate enough to describe the terror of sleeplessness that was brought down upon us. Remember doing dorm guard duty in basic training? It was kind of like that but instead of one shift a week, we had to be awake every two hours, every night. No weekends. No sleeping in. Pure torture.

There were times - exaggerated by the fog of exhaustion – when I honestly thought my body was going to give out, and I would simply die. Don't judge. You either know what I'm talking about or maybe someday will be in for the same surprise.

There was no option; the little guy completely depends on his mommy and daddy to survive. That is the mission - to keep him sustained and thriving as efficiently as possible. Military instinct made it clear: I had to adapt and overcome. But how?

over these last eight weeks Gen. Mark A. Welsh III said the well-being and care of ourselves, each other and our families is the focus of Comprehensive Airman Fitness. It's about mental, physical, social and spiritual wellness. That is where I started. Yes, I referenced an Air Force doctrine to apply at home – because it works.

> Coping was the first step to everything else. It really helps to just acknowledge that yes, I am going to be beyond tired; no, I am not going to feel rested; and no, it is not going to feel good. When I remember to focus on that situational awareness, it somehow doesn't burn me out quite as badly when the baby alarm sounds off at o-dark-thirty in the morning. Having that mindful-

ness helps work through the from family and friends, but I frustration when the baby projectile pukes everywhere, hoses down the walls or goes nuclear on a fresh diaper.

I do not get it right every success, and it helps.

Air Force Chief of Staff My day does not feel right if let me unload the weight of I don't get a good 45 minutes in at the gym in the morning. In this new world of exhaustion, burning calories at the gym may sound counterproductive. On the contrary, the physical fitness helps keep blasting some tunes is my meditation. Getting back into a routine of good nutrition was just as important. It is convenient to pop a carbedup pizza or lasagna in the oven, but it is not what my easier option in physical fitness is not the best option.

work and I will never be perfectly consistent, but every good day helps.

was not expecting my fellow Airmen to ask how the family was doing every time they saw me. When I'm walking the halls like a lost zombie, time, but every success is a that simple communication and connectedness makes a I am a big cardio person. difference. Not only do they good advice because most of them have been there and done that. That's teamwork.

It is not just ears to listen and a reminder that they are thinking about my spouse me mentally fit. Being able and me. It is a social support to test my endurance while from Airman to Airman, and

every little bit helps. Spiritual fitness covers such a multitude of areas in this experience. It is the underlying principle that motivates me in all the other areas. Spiritual fitness takes body needs. Sometimes the effort and choice just like any other aspect of Comprehensive Airman Fitness. What Sustaining those healthy kind of parent am I going habits post-baby takes extra be? I want to be the best parent a baby could ask for, so I try to pay attention to my attitudes and reactions under We had tons of support stress. I try to persevere when

weak, because it is all for the kiddo. Perspective is good fuel for a tired mind. It gives me a new sense of purpose to sacrifice my needs for his. I keep reminding myself that the complications of having a newborn are temporary, because it is true.

Part of spiritual fitness the struggles, but I also get is finding that silver lining in what looks like only dark clouds. Obviously, it is not always easy to be spiritually solid and I do not always get it right, but every little win helps.

> It may all sound like Parenting 101 to the uninitiated, but I promise it hardly feels that simple in the moment. Life's challenges never do. That is why it is so important to practice mental, physical, social and spiritual wellness on a regular basis. That is why the Air Force built the Comprehensive Airman Fitness doctrine. You can never be ready for the trials life throws at you, but you can be prepared. In the meantime, what can you do to support your fellow Airmen's fitness during their struggles?

There's always a cost

By Lt. Col. Tim Purcell 50th Operations Support Squadron commander

SCHRIEVER AIR FORCE BASE, Colo. (AFNS) – My 5-year-old son recently lost his first tooth and was ecstatic to buy something with the money he received from the tooth fairy.

A couple days later, he counted out a few dollars from his piggy bank and asked if we could go to the store to buy a toy. On the way to the base exchange, he enthusiastically rattled off a half dozen toys he planned to buy with his money. I broke the only buy one toy so he had to figure out which toy he wanted most.

I smirked as he painstakingly considered whether to buy a Star Wars activity book or a new action figure – a serious dilemma. Little did he know, I was trying to teach him an important lesson about prioritization.

As Air Force members, we face similar decisions all the time. There is simply not enough people, time or money to do everything we want, so we must constantly decide where to spend our limited resources in order to most effectively accomplish our dynamic mission. Our budgets are limited, there are only so many hours in the day, end strength is congressionally mandated (and not changing anytime soon), and new facilities take years to construct.

With that said, how do we accomplish all we're asked to do? It starts with the commander's intent (at every level) and leadership's clear priorities, but it doesn't end there. As Airmen, we all have a responsibility to ensure our leadership makes informed decisions. But to do to that, we must arm them with information. When we're charged

with a new priority and we tell the boss "no impact," we're failing to provide him/ her with the full site picture. There is always an impact, but it takes some homework to uncover it. If we're going to fund a new project, what other project(s) will be delayed or canceled? If you take on a new task, what other duties are you not able not as well as you'd like)?

Years ago, my commandfice with new furniture, car- often; the boss asks us to do now your No. 1 priority and orities.

pet, paint, etc. He tasked the something and we do it with-A few days later, I found out projects, some mission critical, had come to a stand-still the front office redesign. I informed him of these impacts and he immediately clarified the front office redesign did not "out-prioritize" our mission critical projects.

and alarming, was several members of our squadron the priorities they set. understood the mission criti-

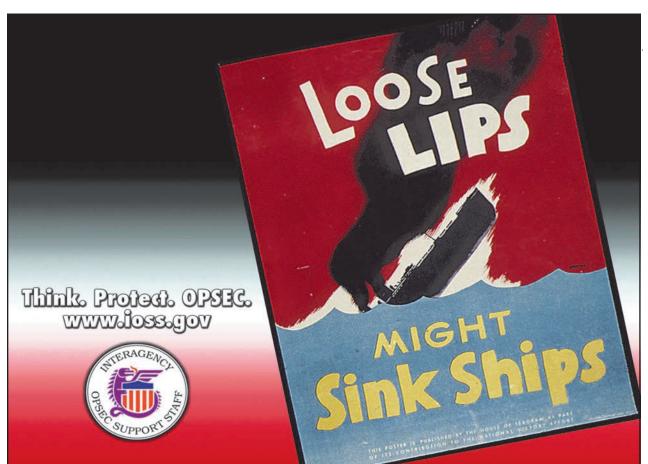
squadron to make it happen. out hesitation. After all, the boss sets the priorities. We're other facility improvement all wired this way, we just figure out how to get it done.

In our increasingly rewhile our team focused on source-constrained environment, that "get 'er done" mentality is not always sufficient. As leaders and supervisors, we have to clearly define our priorities. Likewise, as subordinates, we have to What I found interesting inform our leadership so they understand the true costs of

Think about your own cal project delays but did not experience. Has your superinform him. Likewise, his visor ever assigned you a

assume your supervisor accepted the impacts? Rarely do we take the time to ask these questions or engage in this dialogue with our leader-

ship, but we should. Perhaps your supervisor isn't aware that your key project will be delayed. Had he/she understood this impact, perhaps they would have assigned the hot task to someone else or decided the hot task wasn't so hot. Alternatively, they may simply thank you for informing them but decide to proceed with the hot task anyway. Either way, it's your responexpectation was that the front hot task that impacted your sibility to help your chain news his \$5 would probably to accomplish (either at all or office redesign would not ability to accomplish anoth- of command make fully impact our mission-critical er key project or task? Did informed decisions. If we projects and assumed squad- you explain these impacts embrace this mindset, we'll er wanted to redesign and up- ron members would inform to your supervisor? Did you more effectively accomplish date the squadron's front of- him if it did. We see this quite just assume the hot task was our mission, vision and pri-



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, smoking is not permitted 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. Smoking areas will be held to the absolute minimum and will be located in low traffic, low visibility areas away from points of building ingress/egress and air intakes. A map of all authorized smoking areas is available on the Team AEDC SharePoint site. 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

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.

Smoking, including the use of electronic cigarettes and smokeless tobacco, is prohibited in any area, at times when official business is being conducted with government clients, test customers, outside visitors and dignitaries, and where official business is being conducted including conference rooms, auditorium settings, business meetings, or in any other area where Air Force regulations specifically prohibit use. Containers of tobacco waste product, including selaed containers, must not be left unattended or disposed of in trash receptacles. Users of smokeless tobacco must flush tobacco waste down the toilet. Due to the nature, appearance, and safety concerns of electronic cigarettes (also known as "e-cigs"), the use of said products will abide by the same rules for tobacco products stated above and governed by AFI 40-102, Tobacco Use in the Air Force.

Supervisors at every level will ensure this policy is followed. Disciplinary action is appropriate for repeated violations.

3. Updates to this policy will be made in the future to further align with Air Force guidelines 4. This policy remains effective until rescinded. (This policy is dated December 20, 2013)

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 two ways: via the AEDC intranet home page, and by calling 454-

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. Rodney Todaro **AEDC Commander**

Local CyberPatriot teams receive high ranks in competition

By Raquel March

ATA Public Affairs

The CyberPatriot VIII program marked a 55 percent increase in team registrations this competition year and the Coffee County Central High School Air Force Junior ROTC Team 1 and the Civil Air Patrol Tullahoma Composite Squadron received high rankings among 64 teams in Tennessee.

The CCCHS Team 1 ranked second in the state in the All Service Platinum category and CAP-Tullahoma ranked second in the All Service Gold category. During the CyberPatriot competition, the teams were presented with finding and solving

security vulnerabilities in fluencing young people

3,379 teams registered for ber," Skoch said. the national competition

outstanding

pansion of the CyberPa- around the country. triot program has been astounding and we couldn't established by the Air be more proud to be in- Force Association. The sponsor for CyberPatriot. CCCHS

simulated cyber networks. around the world to learn Within the United more about STEM edu-States and U.S. territories, cation, specifically in cy-

CyberPatriot is the nawhich began with practice tional high school cyber rounds in October 2015 defense competition creand progressed to a se- ated to inspire high school ries of online qualifying students toward careers in cybersecurity or other The teams were cited science, technology, engiin their awards for their neering, and mathematics technical disciplines critical to the skill, problem solving and nation's future. CyberPateamwork. The teams' triot is open to all high award certificates were schools, Civil Air Patrol signed by Bernard Skoch, Units, JROTC Units, U.S. Cyber Patriot national Naval Sea Cadet Corps Units and accredited "The growth and ex- home school programs

CyberPatriot



The Coffee County Central High School Air Force Junior ROTC CyberPatriot team, pictured here, are ranked second in Tennessee under the All Service Division Platinum category among 64 teams. Shown left to right is AEDC Mentor Michael Glennon; Coach Maj. Dave Clontz; team members Chad Dunn and Ryan Conaway; Mentor Master Sgt. Jim Loveland; and team members Dawson Carlton, Clay Whitt and Cacye Plaisance.

was Northrop Grumman Foundation is the presenting Center

The AEDC STEM teams and the Civil Air

sponsors two Patrol Tullahoma Com-CyberPatriot posite Squadron.

No 'mower' accidents

By AEDC Safety

Whether you find lawn and garden work a relaxing task or a dreaded chore, taking proper precautions can prevent these activities from ending in an emergency room visit. According to a Consumer Reports poll, Americans often engage in risky behavior when it comes to mow-

Results indicate 79 percent of consumers polled don't wear, or rarely wear, ear protection, 44 percent have damaged their mow-

percent said they drank manufacturer serious enough to re- equipment. quire emergency room treatment.

steps everyone can take substantial shoes (safety Take frequent breaks. people - particularly ers, leaf blowers, chain protection that muffles saws, tillers and other damaging sounds withoutdoor maintenance out blocking sounds you hydrated with non-caf- 17,000 of them children around flammables. tools to ensure safe, pro- need to hear. Remember: ductive results:

beer while mowing. instructions. Never re-Considering these statis- move, alter or disable brimmed hat that pro- mers, leaf blowers and tics, it's no wonder that safety devices and lalawn mower injuries are aged or malfunctioning with UV protection. Re- destroy vision, break

• Dress for the task. Wear long pants, gloves, caught in rotating parts. There are simple close-fitting clothes and Effects of loud noise are • Get to your know cumulative, so a sound

long hair that could get lacerations.

- beverages.
- rocks, sticks, toys, hos- are operating. es, sprinklers or any-

safety tect exposed skin with speeds that can exceed sunscreen and wear a 100 mph. String trimvides shade. Shield eyes edgers can turn debris

- Clear the work • Keep your cool. zone. Clear the area of before operating mow- shoes are best). Wear ear Learn the signs of heat children - and pets. stress; stop work if you In a recent year, over experience them. Stay 250,000 people – nearly feinated, non-alcoholic – were treated for lawn
 - thing else that may be common sense. Never remove the key.

object, 24 percent said properly operate equip- couple of minutes could a hazard. Power mower reach under the mower they'd been injured ment, understand its be damaging after an blades spin 2,000 - 4,000 or into the discharge while mowing and 12 limitations, and follow extended period. Pro- rpm, launching debris at chute with the mower running. Don't use your feet to try to move a running mower.

- · Handle fuels careevery year thousands of bels. Don't operate dam- with protective goggles into projectiles that can fully. Move outdoors (out of shops and garagmove jewelry; secure bones, or cause severe es) to fill engines; fill up before you start and only refuel when equipment has cooled down. Don't spill when you fill. Store gas in an approved container in a cool ventilated area. Never smoke
- Turn off the enmower-related injuries. gine and disconnect the • Pick it up. Fly- Never allow children to spark plug wire before ers by running over an tools. Know how to that's acceptable for a ing debris is the most operate a mower. And attempting to unclog or common cause of yard never allow anyone to work on outdoor power work injury. Remove ride on the mower you equipment. If leaving equipment unattended, • Exercise yard tool turn off the engine and

AFMC promotes 'Be Active' physical activity challenge

By HQ Air Force Materiel Command Health & Wellness Team

WRIGHT-PAT-TERSON AIR FORCE **BASE**, **Ohio** – During April and May, Air Force Materiel Command will promote its 'Be Active' Team Challenge. Be Active is a command-wide initiative designed to help the AFMC work- April 20. Print and bring Active Team Challenge force increase physical activity levels and heighten awareness of proper back care. Participants will receive a FREE copy of the Mayo Clinic's "Wellness So- visit. lutions for Back Pain" Promotion Services will conduct the challenge.

How to Participate in the Be Active Team Challenge:

- 1) Enroll online at http://www.afmcwellness.com/ through April 24. 20. Participate as an inteammate to keep you 31 and June 10. motivated.
- Mass Index check-in between March 28 and



your Be Active confirmation email to the check- check-in and check-out in to finalize enrollment. Back Pain" DVD at this ity

- DVD at the official cal activity and log your from CHPS staff check-in. Civilian Health minutes on the http:// www.afmcwellness.com/ complete the Be Ac-Activity Log from April tive Team Challenge re-11 through May 24.
 - education class, "Build- Massage Roller from ing a Healthy Core" be- CHPS. Contact your tween April 11 and May
- dividual or choose one check-out between May is safe.
- - 2) Attend a Body the completion award, afmcwellness.com/ or participants will need to: contact your local CHPS

- b. Attend both BMI
- c. Perform and log You will receive the at least 720 minutes (12 "Wellness Solutions for hours) of physical activ
 - d. Attend "Build-3) Perform physi- ing a Healthy Core" class

Participants quirements will receive 4) Attend the CHPS a FREE Pressure Point physician before beginning any physical activ-5) Attend a BMI ity program to be sure it

For more informa-6) To be eligible for tion, visit http://www. a. Enroll in the Be team.

BLOOD DRIVE

AEDC

April 27 – 29

Wednesday, 27th- A&E Bldg. 100 Thursday, 28th- PWT Bldg. 760 Friday, 29th- Main Auditorium 452

All times will be:

10:00 a.m. - 3:00 p.m.

For more information concerning blood donation, visit www.bloodassurance.org



Donors must be at least 17 years old (16 years old with parental consent) and weigh at least 110 pounds.

Donors will receive a snack and complimentary t-shirt and may be eligible to register for our monthly drawing.

- · Your one donation can save up to 3 lives
- Each day, a minimum of 400 donations are needed in our area
- Blood Assurance is the sole provider of blood donations to more than 50 hospitals and healthcare facilities



For more information about donating blood, please visit www.bloodassurance.org.

WINTON from page 1

law enforcement to habi- plished." tat management work to administrative

I am doing something there is a wide variety and eight years have been different each day. From of tasks to be accom- with Arnold. He, with his

family, resides on the Winton has worked border of the base in a duties, with TWRA for 15 years state owned property.

Rock-It Run comes to AEDC Arnold Golf Course May 21

By Tanya Bryan

Arnold Services Division

AEDC Services is excited to announce Rock-It Run, a full day of activities for all ages, coming to Arnold Golf Course 11:30 a.m. to 6 p.m. May 21.

The day includes a kid's run and a 5K or 10K run plus other activities such as ladderball, Frisbee golf, cornhole, paintball; and for a small fee of \$5 or \$8, depending on age, FootGolf on Arnold Golf Course. FootGolf is similar to golf rules but played with a soccer ball. There will also be food and beverages available for purchase with Utopia rounding out the day with live music.

This day of fun is open to the public with something for runners and non-runners alike.

The kid's run is part of the Armed Forces America's Kids Run for ages five to 13. Held every May in recognition of Armed Forces Day, this event is supported around the world. There is no entry fee for this event and everyone registered will receive an

event t-shirt.

Registration is through

starting at noon.

ceive a moisture-wick- finish time. ing race shirt with logo. during registration.

can also click on the beautiful." event title to get more

The course will be divisions - 14-19, 20- tem. This timing system to a great new event." 29, 30-39, 40-49, and 50 uses a disposable chip

Include your shirt size course, RACE Nashville run events. Services also race director Kenneth hopes that others will To register for the Radley said, "This is come just for the fun. 5K or 10K go to itsy- the kind of race course ourrace.com and search runners will love. It's the Rock-It Run race or-Tullahoma, TN then closed to traffic, it's a click on Register. You wooded setting. Just Services Marketing man-

Awards will be predetails about the event, sented for the 5K and including course maps. 10K runs beginning at Check-in for the 5K 3:30 p.m. Once the cera simultaneous start at 2 stage to finish out the

Three-time GigMaswww.ameri- on a closed and wooded ters Best of the Year caskidsrun.org. From roadway, which includes award winners, Utopia the home page, select terrain of concrete, specializes in legendary the registration link on pavement and packed old school R&B dance the left then select Ar- gravel. The America's music, modern hits, senold from the drop down Kids Run will be a 1/2 lected classics, rock, and click on Get events. mile to 2 miles depend- jazz and blues standards Check in begins at ing on age. The 5K will delivered with a distinc-11:30 a.m. with the run be once around the full tive, dynamic sound. course with the 10K go- Utopia front man J.T. The 5K and 10K runs ing twice around. Times Northcutt said, "We are are for ages 14 and older will be tracked electron- excited about playing with first place medal ically with the assistance this one. We are excited winners for both men of RACE Nashville and to be bringing quality and women in five age their Jaguar Timing Sys- entertainment to add on

Everyone is invited and older. Registration attached to the runner's to enjoy the band, food, costs range from \$25 to race bib. Live web re- beverages and other ac-\$38 depending on which sults are available and tivities throughout the race and how early you there will be a kiosk on day whether a runner or register. Everyone regis- site where runners can not. Services encourtered by May 1 will re- print a receipt of their ages runners to bring the whole family to support After seeing the each other during the

For questions, contact ganizer at 931-454-3367; ager at 931-454-3128; or Services Commercial Sponsorship coordinator at 931-454-3171.

Sponsorship opporand 10K will be from emony is over Utopia tunities are still avail-12:30 to 1:30 p.m. with will once again take the able for this and many other Services events. Information is also available online by searching #rockitrun.



Rock-It Run Schedule of Events:

11:30 a.m. Event begins - activities, food, beverages America's Kids Run

registration/check-in opens

Kids Run begins Noon

12:30 p.m. 5K and 10K registration/ check-in opens

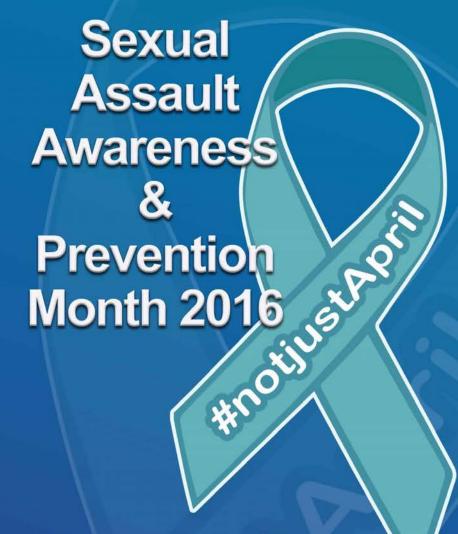
1-1:20 p.m. Kids Run ends with awards/photos

Final check-in call for 1:30 p.m. 5K and 10K

5K and 10K begin 2 p.m. **Utopia band starts**

3:30 p.m. **Awards and photos** for 5K and 10K

6 p.m. **Event ends**



- Eliminating sexual assault in the Air Force requires Airmen at all levels to be engaged all year, not just during April.
- Airmen are expected to embody the Air Force Core Values every day, whether on or off duty, uniformed
- The Air Force has more than 110 SARCs, 70 full time SAPR victim advocates, 30 special victims' counselors and 9 special victims' unit senior trial counsels who dedicate 365 days/year to supporting victims and seeking justice. The Air Force is also in the process of hiring 92 specialists for primary prevention of violence across the Air Force. These dedicated helping agents are supported and empowered every day by 600,000 Total Force Airmen and civilians and their families.
- Airmen are the Air Force's best asset in preventing sexual assault. Professional, dedicated Airmen who take care of their Wingmen every day of the year will help eliminate sexual assault from our ranks.
- Commanders are charged with setting a professional atmosphere and enforcing the standards of conduct that make the Air Force a professional service at all times.
- Survivors of sexual assault deserve the support of the Air Force and their Wingmen every day.

Know your part, Do your part



AS AN AIR FORCE CIVILIAN, WHERE CAN I FIND HELP?

IF YOU NEED HELP WITH...

TRY THESE AGENCIES & THEIR RESOURCES

ALL EMPLOYEES

Mental health & substance abuse Unplanned pregnancy Health and Safety Education

Virtual extension of installation services Health & wellness planning

Finances & work-life balance

DOD CIVILIAN Health & wellness planning

Work, personal or family issues Sexual assault & victim advocacy

Crime victim advocacy ATA EMPLOYEES Work, personal or family issues

National Suicide Prevention Lifeline American Association of Poison Control Centers Centerstone Crisis Pregnancy Assistance Center American Red Cross

Military One Source AFMC Wellness Support Center Health and Wellness Center

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AFMC Wellness Support Center Civilian Health Promotion Services Employee Assistance Program

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(800) 273-8255

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Employee Assistance Program

(866) 828-6049

B-52 Stratofortress joins coalition team



U.S. Air Force B-52 Stratofortress aircraft from Barksdale Air Force Base, La., arrived at Al Udeid Air Base, Qatar, April 9 in support of Operation Inherent Resolve, the operation to eliminate the Islamic State of Iraq and the Levant and the threat they pose to Iraq, Syria and the wider international community, and as needed in the region. The B-52 offers diverse capabilities including the delivery of precision weapons. (U.S. Air Force photo/Tech. Sgt. Nathan Lipscomb)

By Air Forces Central **Command Public Affairs**

AL UDEID AIR BASE, Qatar (AFNS) -U.S. Air Force B-52 Stratofortress aircraft from Barksdale Air Force Base, Louisiana, arrived at Al Udeid Air Base, Qatar, April 9, in support of theater requirements and Operation Inherent Resolve, the operation to eliminate the Islamic State of Iraq and the Levant and the threat they pose to Iraq, Syria and the wider international community.

"The B-52 will provide the coalition continued precision and deliver desired airpower effects," said Lt. Gen. Charles Q. Brown Jr., the commander of U.S. Air Forces Central Command and Combined Forces Air Component. "As a multi-role platform, the B-52 offers diverse capabilities including delivery of precision weapons and the flexibility and endurance needed to support the combatant commanders' priorities and strengthen the coalition team."

The 19-nation air coalition consists of numerous strike aircraft and the B-52s will bring their unique capability to the fight against ISIL.

The B-52 is a longrange heavy bomber that can perform a variety of missions including strategic attack, close-air support, air interdiction and maritime operations.

Crews will be available to carry out missions in both Iraq and Syria as needed to support air tasking order requirements.

"The B-52 demonstrates our continued resolve to apply persistent pressure on (ISIL) and defend the region in any future contingency," Brown

This deployment is the first basing of the B-52s in the U.S. Central Command area of responsibility in 26 years. The B-52s were based in Saudi Arabia supporting Operation Desert Storm. The B-52s were last flown operationally during Operation Enduring Freedom in May 2006, and during Exercise Eager Lion, a USCENT-COM-led multilateral exercise in Jordan, in May 2015.

The coalition conducted more than 33,000 airpower missions in support of OIR. Since the beginning of the operation, the



Airmen assigned to the 20th Expeditionary Bomb Squadron at Barksdale Air Force Base, La., inspect the bomb bay of a B-52 Stratofortress after arriving at Al Udeid Air Base, Qatar, April 9 to support Operation Inherent Resolve. The 19-nation air coalition consists of numerous precision strike aircraft and the B-52s will bring their unique capabilities to the fight against the Islamic State of Iraq and the Levant. The B-52 is a long-range heavy bomber that can perform a variety of missions including strategic attack, close-air support, air interdiction and maritime operations. (U.S. Air Force photo/Tech. Sgt. Nathan Lipscomb)

coalition struck about 459 gistics buildings housing vehicle-borne improvised these weapons, 662 weapexplosive devices, 776 ons caches, and 1,341 mortar systems, 1,933 lo-staging areas.



Pictured left to right is Paul Haas, B-52 Program Office, Tinker Air Force Base, Druana Sanders, Booz-Allen & Hamilton, Inc., and Don Arrowood, B-52 Program Office, Tinker AFB, as they examine the B-52H model stores in the AEDC 16-foot Transonic wind tunnel between store separation test runs. The tests, conducted in 2011, contributed to increased capability for the B-52. (U.S. Air Force photo/Rick Goodfriend)

Malmstrom mechanics testing new bio-based vehicle oil

By Airman 1st Class Magen M. Reeves

341st Missile Wing Public **Affairs**

MALMSTROM AIR FORCE BASE, Mont. (AFNS) - Malmstrom Air Force Base is one of four bases across the service chosen to test out a new its vehicles.

The experiment, being carried out by the 341st Logistics Readiness Squadron vehicle management flight, is headed by the Defense Logistics Agency and the 441st Vehicle Support Chain Op-Joint Base Langley-Eustis,

Team leads for the initiative visited Malmstrom AFB on March 22 for a briefing and to complete oil changes on six vehicles testing the synthetic oil. Team leads include an Airman from the 441st VS-COS, a project manager and project engineer.

"This is being sponsored by the DLA and Office of the Secretary of Defense, and we have a select number of bases that we have chosen random vehicles from to participate in this project," said Senior Master Sgt. Joel Villarin, a 441st VSCOS team lead.

The synthetic oil would be more environmentally friendly because it is plantbased, which aligns with the Air Force's initiative to utilize more eco-friendly materials and resources.

"From the Air Force perspective, we are pushing for an alternative fuel, more for an energy sufficient and environmentally conscious effort," Villarin said. "Not having par-

ticipation could make or break the process."

that if the oil proves to be just as capable as the current oil being used, then the switch to the synthetic oil will be made Air Force wide, possibly even across

bio-based synthetic oil in the last base to begin the in January at Seymour child AFB, Washington, and Luke AFB, Arizona.

In an effort to keep the erations Squadron from integrity of the testing, the bases chosen to participate terms of either climate or vehicle use

> Seymour Johnson AFB is hot and humid, Fairchild AFB has the 336th Training Group where the escape school uses vehicles to transport trainees Luke AFB is hot and dry, miles on its vehicles from in snow and extreme cold conditions.

Force, the Department of Homeland Security's Law Enforcement Training Center has also begun testing the synthetic oil in operational vehicles.

to monitor the vehicle's performance and to provide samples periodically so we can see exactly what the oil is doing to those en-

The proposed idea is

the Defense Department. Malmstrom AFB was experiment, which began Johnson AFB, North Carolina, according to Villarin. From there, the oil was placed into testing at Fair-

are radically different in

search, evasion, resistance, across rugged terrain, and Villarin said. Malmstrom AFB puts a great deal of travel to and from the manufactures providing missile field, as well as

"The responsibilities (for the participants) are gines," Villarin said.



Airman 1st Class Michael Schulz, a 341st Logistics Readiness Squadron vehicle management flight mechanic, changes the oil of a government vehicle March 22 at Malmstrom Air Force Base, Mont. Schulz was one of two Airmen tasked with changing the oil of six vehicles which will be testing a new bio-based synthetic oil which could potentially help the Air Force's initiative to use more sustainable materials and be environmentally conscious. (U.S. Air Force photo/Airman 1st Class Magen M. Reeves)

months.

"There are three oil the oil, balanced throughout the AF sites, so all three get the same amount In addition to the Air of vehicles and variety to test the oil in the vehicles," said George Handy, the project manager.

> According to Handy, the bio-based oil is a fullsynthetic oil produced from an agricultural blend including canola seed, soybean and synthetic pe-

"Bio-based motor oils are a huge drive in that they are providing new markets to the seed grow-The testing period will ers associations in the

"These manufacturers are looking for additional outlets for their products and

reproduced products." The oil developed is hold the current oil change mileage -- 7,500 miles -- used by the Air Force. The oil also has the potential to extend the mileage

Handy said. any change in the performance of any of the vehicles because they are alfuels," he said.

For the testing phase, ty by reducing dependency

last for the next 12-18 United States," he said. Malmstrom AFB has pro- on foreign oil. vided six vehicles, two each from the 583rd Missile Maintenance Squadare creating stimulus jobs ron, the 341st Operations in the U.S. using domestic Group and 341st Security Forces Group.

> "We have a good vavery stable and can up- riety of vehicles used to determine oil efficiency," said Dave Maddox, a 341st LRS transportation specialist.

If the testing is sucup to 10,000 in the future, cessful, the bio-based oil will be made available to "There shouldn't be purchase through normal channels. That could mean using a more sustainable tested at Malmstrom AFB product that is domestiready running on synthetic cally produced, ultimately improving national securi-

"This allows (Malmstrom AFB) as an installation and (the Air Force) as a service to be able say that you are buying more green, sustainable products," Handy said.

According to Brian Yallaly, the project engineer, providing samples to a third-party lab will determine how well the oil is sustaining and whether or not more miles can be added to the oil's efficient

The vehicles being will all be under command of the 341st LRS vehicle management flight for oil changes.

Arnold Outdoor Recreation recognizes AEDC commander spouses through boat naming



The Services Outdoor Recreation department officially added two pontoon boats, the Karen T. and the Theresa, to the fleet during a christening ceremony March 30, at the Arnold Lakeside Center dock. The Karen T. was named after Karen Todaro, the wife of AEDC Commander Col. Rodney Todaro. The Theresa was named after Theresa Toth, the wife of former AEDC Commander, retired Col. Raymond Toth. Pictured left to right at the boat christening ceremony is: Lyle Russell, AEDC Services Community Program Coordinator; Todaro's daughter Audrey; Col. Todaro's wife Karen; and Theresa Toth. (U.S. Air Force photo/Emily Howell)

By Tanya Bryan Arnold Air Force Base Services

Services Outdoor Recreation at Arnold Air Force Base has made a tradition of naming boats after current or previous commander's spouses.

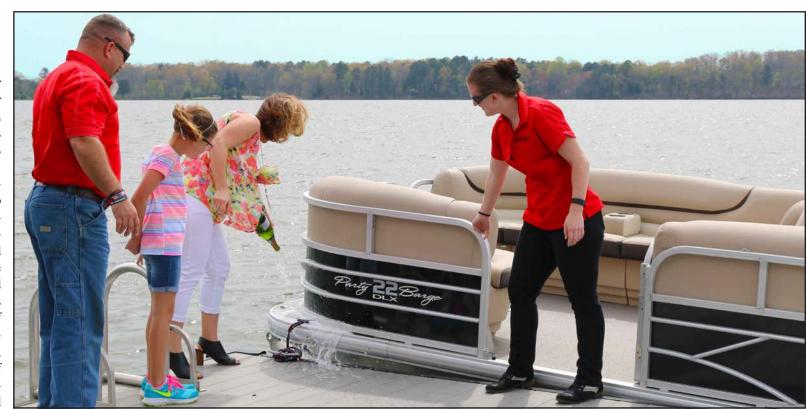
Two new 22-foot pontoon boats were added to the ODR fleet with an official christening ceremony March 30 at the Arnold Lakeside Center. All base employees were invited to attend and witness as Karen Todaro, wife of current AEDC commander Col. Rodney Todaro. and Theresa Toth, wife of former AEDC commander, retired Col. Raymond Toth were honored and toasted as the most recent namesakes.

Guests participated at the ceremony in raising their glasses to toast to the Karen T. and the Theresa after hearing script of the tradition of vessels being named after women and referred to as "she" when set to water. The narrative continued, on a more lighthearted note, with more specific relevance to ODR rental boats.

"The moods of the waters of Woods Reservoir can be many, just like the Outdoor Rec staff that works here, from tranquil to rough. We ask that these vessels, and their caretakers, be given the strength to carry on and the foresight to remember to change the oil in a timely manner. May their rudders be strong and may they keep out the pressures of Woods Reservoir.

"We also ask the sailors of old and the mood of the lake to accept the Karen T. and the Theresa, to help them through their passages and allow them to return with their crew safely, which will help avoid a lot of safety paperwork for us," according to the narrative.

With the crowd's final toast of "To the Karen T. and the Theresa, to Woods Reservoir, to the sailors



Boat christening of the Karen T. (U.S. Air Force photo/Holly Fowler)



Boat launch with the Todaro family. (U.S. Air Force photo/Holly Fowler)



Theresa Toth with the Theresa before christening. (U.S. Air Force photo/Emily Howell)

Being environmental stewards, the champagne with a social at Arnold was poured over the bow Lakeside Center where of old, and to the lake," it rather than the classic all present could celwas time to christen the tradition of breaking the ebrate with these ladies, boats with the traditional bottle as to prevent brochampagne over the bow. ken glass in the area.

The event concluded the newest celebrities of Woods Reservoir.



Boat launch with the Toths and guests. (U.S. Air Force photo/Holly Fowler)

AEDC Woman's Club present scholarships

By Barbara McGuire AEDC Woman's Club

The April 5 meeting of the AEDC Woman's Club featured the presentation of scholarships to six local high school students Dr. Rhea Seddon.

Suzette McCrorey, scholarship chairperson, assisted by Karen Todaro, honorary president, presented the awards to the students from Tullahoma High School, Coffee County Central High School, Franklin County High School and Huntland High School.

Dr. Seddon presented information about her life experiences as an astronaut while showing pictures of her in space and the earth from the space shuttle. One of the shuttle engines was tested at AEDC. She expressed the importance of a good education to the group. Table the meeting starts at 9:30 donations of \$250 went to Hospice of the Highland Rim Foundation, Inc.

The next meeting for

the Arnold Lakeside Center where the new club officers will be presented. The members will vote on the new officers and they will be inducted into office during the meeting.

At the meeting, Lloyd and then a presentation by Smith of Tullahoma will sing songs he is known for singing at the Tullahoma Veteran's Day program. The May table donations will go toward Good Samaritan of Winchester.

> The May meeting is open to the public and provides the opportunity to meet the AEDCWC members and become a member. You don't need to have military connections or be involved with Arnold Air Force Base to visit and become a mem-

For information about the AEDCWC call 455-

The social hour of a.m., with the business meeting and program beginning at 10 a.m.

Reservations and canthe AEDCWC is May 3 at cellations must be made cancellations by calling



Pictured are scholarship recipients of the AEDC Woman's Club and AEDCWC members. Shown front row, left to right: Jade Green, Coffee County Central High School; Dr. Rhea Seddon, NASA astronaut; Alanna Morrow, Huntland High School; second row, left to right: Kate Canady, AEDCWC president; Karen Todaro, AEDCWC honorary president; Savanna Michael, Franklin County High School; Abby Panter, Tullahoma High School; third row, left to right: Sarah Utterback, Coffee County Central High School; Suzette McCrorey, scholarship chairperson; and Brechelle Corn, Tullahoma High School. (Courtesy photo)

no later than noon, April 931-393-2552 or 931- a private organization or any of its components 26. Make reservations or 636-4152.

Disclaimer: This is Department of Defense status.

which is not part of the and has no governmental

Air Force, Army build partnership for energy assurance

By Tech. Sgt. Joshua **DeMotts**

Secretary of the Air Force Command Information

The military's ability to accomplish its missions - whether executing today's fight or training for future ones – is dependent on electricity that powers installations. The Army

critical objective, advanc- 2011, and became an en- practices. ing the capability for their during organization, the systems, installations, and Office of Energy Initiapersonnel to respond to tives, in October 2014. and recover from unex- The OEI serves as the pected disruptions.

established its Office of scale renewable and al-Energy Assurance, which ternative energy projects, will develop an integrated while leveraging private facility energy portfolio. sector financing. The Army's Energy Ini-

central management office The Air Force recently for implementing large-

and Air Force have identitiatives Task Force was share support staff, busified energy resilience as a established in September ness processes and best lations, environment, and commitment to securing

The services formalized this partnership April 6 during a ceremony at the Pentagon. The memorandum of agreement, signed this partnership was vital by Katherine Hammack, the assistant secretary of the Army for installations, energy and environment; and Miranda Ballentine, Now, both offices will the assistant secretary of of the Army and the Air the Air Force for instal- Force share a common

energy, shows the imporon clean, reliable and affordable energy.

Hammack stressed for the Defense Department and would continue to push the Army's energy

"The Departments

our installations with entance both services place ergy that is clean, reliable and affordable," Hammack said. "I am pleased that through this agreement, we can share lessons learned and leverage the relationships we have developed with government, industry and utilities for the benefit of both our services."

See **ENERGY**, page 11

ENERGY from page 10

energy agility, Ballentine said this partnership would advance that capability.

"This Army-Air Force partnership will accelerate our goal of provid-

Awards and photos for 5K and 10K

Event ends

3:30pm

6pm

While the establish- through energy assurare another area where a joint-approach and strong complish the mission. collaboration can help us

ment of the Air Force ance," Ballentine said. the Air Force deputy chief OEA cemented the Air "The Air Force, Army of staff for logistics, engi-Force's focus on energy and Navy fight the fight neering and force protecresiliency and strategic together; we are one joint tion, also signed the memo force, and our jointness is and said the Air Force is a what makes us formidable globally networked force around the world. Instal- with critical missions and erson, the Army assistant to work with the Air Force lation energy projects operations that are reliant on access to energy to ac-

> "We execute almost all our missions from

partnerships like this will approaches are focused cies, procedures and parton mission assurance and nerships that support our resiliency," he said.

chief of staff for instal- in this effort. This partlation management, also nership will identify and signed the memo on behalf of the Army.

Lt. Gen. John Cooper, our air bases, so building framework for collaboration between the Army energy missions," Halver-Lt. Gen. David Halv- son said. "We are excited expand potential renewable energy opportuni-

Force installations."

According to ensure our resources and and the Air Force on poli- memo, the partnership provides a framework for cooperation and support in the development of renewable energy projects, establishes the expectations and requirements of each service, and demonstrates both services' focus on achieving energy

