UXO identification training

AEDC firefighters receive UXO identification training

By Philip Lorenz III
ATA Public Affairs

AEDC’s leadership heralded two firsts at the Complex. One is the recent activation of the Space Combined Test Force (CTF). The other is acceptance of the new test and evaluation mission that the CTF will execute.

The CTF integrates Air Force engineers with Aerospace Testing Alliance (ATA) contractor engineers and support personnel to jointly conduct testing in the Space Threat Assessment Testbed (STAT), a recently activated space test chamber. STAT is the newest ground test capability at the Complex since the Large Rocket Test Facility came online in 1993. STAT will reach Initial Operating Capability in April, followed by Full Operational Capability certification by September 2013.

“STAT is a responsibility for two missions: space sensors testing in our TV and 10V chambers and space environment testing in STAT,” said Chris Smith, technical director for AEDC’s Space and Missile Test. “Our chambers will continue to be government-managed and contractor-operated. However, STAT will operate under the construct of integrated USAF-ATA test planning, design and operations.”

Mike Ketron was recently selected as the Space CTF director.

Art test completed in Tunnel 9

By Philip Lorenz III
ATA Public Affairs

During a class on UXO identification for AEDC’s firefighters and security police, Jim Miller, the UXO safety officer for EA Engineering, Corp., holds two inert shell casings, in his right hand is a 37 mm armor-piercing round, and the one in his left hand is an expended 75 mm shrapnel round. He showed the class other UXOs and munitions remnants that can be found in what was once Camp Forrest’s munitions ranges on Arnold Air Force Base. (Photo by Rick Goodfriend)

Aviation Week honors AEDC’s National Full-Scale Aerodynamics Facility

By Philip Lorenz III
ATA Public Affairs

Aviation Week & Space Technology magazine recently bestowed an Aeronautics/Propulsion award to a Speed Agile team that included employees of AEDC’s National Full-Scale Aerodynamics Complex (NFAC). Mountain View, Calif., and other members of the Speed Agile Concept Demonstrator (SACD) program team receiving the Aeronautics/Propulsion award category included employees of the Air Force Research Laboratory (AFRL), Wright-Patterson Air Force Base, Ohio, and representatives from Lockheed Martin Aeronautics, Corp. (LMC) Advanced Development Programs (ADP) Division.

This Bird in Space sculpture was the inspiration for a student’s wind tunnel test completed in Tunnel 9. The test article was based on L’Oiseau dans l’espace (Bird in Space), a series of sculptures by Constantin Brancusi, a Romanian artist. See the QR code in the photo for a story about the student’s test. See test photos on page 8. (Photo provided)

Sonic boom! students, snakes and planes

In This Issue...

Gen. Wolfenbarger talks sequestration impacts...

FIRST Tech Challenge Team R.P.G. wins robot award...

Twenty-two Tips for Twenty-two days of furlough...

See more Westwood Elementary School tour photos on page 7
Sequestration impacts our mission, our people, and bases

By Gen. Janet C. Wolfenberger

Commander, Air Force Material Command

As commander of Air Force Materiel Command headquartered at Wright-Patterson Air Force Base, I lead 110,000 military and civilian personnel, whose work touches every aspect of Air Force space and command, control and communications. To ensure mission success, AFMC requires the support of our military personnel and civilians, contractors and others. AFMC personnel are vital to the stability of our armed forces as we face the possibility of cuts to our future. I write today to let you know about the new round of sequestration cuts and how AFMC and our many partners are preparing to address the potential impacts.

As commander of AFMC, my team and I are working closely with other military services to develop a strategy for our forces. AFMC will ensure that our nation’s military worldwide maintains its readiness to deliver power. AFMC will work to ensure that our military operations are conducted in a way that supports our nation.

Impacts to Our Mission

A complex’s vision: Delivering best value warfighter

• Align with customer goals
• Communicate clearly and effectively
• Continually improve in all aspects

High Mach:

Everything advertised in this publication does not necessarily reflect the views of the Air Mach personnel at AEDC.

Wednesday at close of business

ATA. Deadline for copy is

Suite B212, Arnold AFB,

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WASHINGTON — Pentagon officials told with sending furlough notices to civilian employees until they’ve had a chance to review a new affordability legislation that would fund the federal government for the remainder of the fiscal year will affect the Defense Department.

Pentagon officials now estimate that furlough notices will go out on about 62,000 civilian Defense Department employees, which is about 5,000 less than the number Hal-Byte, a Pentagon spokesman said.

“We have had an impact on the overall number of furlough days, but we should also take into account especially since the legislation hasn’t been signed into law,” Bogdan said. “Beyond that, that’s the number of furlough days at this point the legislation allows.”

Pentagon Press Secretary George Little said, “We believe the delay is a responsible step to take to give us more time to work with employees that we do not take lightly the prospects of furlough and the resulting decrease in employee pay.”

“We can actually track each of those events and see how they affect the end timeline,” Bogdan said. His predecessor introduced a more radical change in the engineering process, the general said. Previous reviews were conducted by the program office.

“Well, I have a good program, but I don’t have the resources nor do I have the expertise that the entire Department of Defense has when it comes to building airplanes,” Bogdan said. Design review boards are now chaired by government executives from throughout the Defense Department, he said.

The general said the program’s affordability is his leading concern. The development program ends in 2017, he said, and is about 90 percent complete, with about $6 billion left in the budget.

The program’s schedule is 80 percent complete, with about 16,000 items, he said. It’s a small thing that makes a big difference in how a program is managed, he noted.

From left, Capt. Nicholas Bauer, STA test director/ conductor; Lt. Akhshar Trapti, STA test technician; STA deputy test director, Abhay Nicholas; STA test director and lead analyst; Steve Macario, STARP test director; and Jim St. Louis, STA chief test engineer, discuss the program. Bogdan said the AEDC Space and Missile test chief welcomes the team and celebrated stand-up of the new organization within his mission area.

The STA facility is highly automated, which will make operating STA’s most recent test facility easier and require fewer “hands-on” operators.

One day operational, STA will be able to simulate realistic operational environments for testing hardware using multiple space weather generators. STA will test subject aircraft to conditions found outside the Earth’s atmosphere, including near-vacuum, extreme cold, and man-made phenomena. STA will subject test articles into this with test runs in the near-vacuum, extreme cold, and man-made phenomena.

“My hope is that we can use the new test center and the new methods that we have brought to bear to help the STA test team,” Bogdan said.

Bogdan said the AEDC Space and Missile test chief was going to be a continuing process that takes an all-hands on deck to be able to accomplish this. These conversations should not just be about yourself. Rather, you should talk with your family and friends about your goals, personal and professional.

For instance, who do you want to make decisions on your behalf if you become incapacitated? Do you have a valid and legally binding, ‘living will’ as the general said? The general said the AEDC legal office is turning on April 1 to present its legal advice.

With furlough looming over many of our heads, I’ve asked myself how I can help people get through this stressful time. Here are tips:

1. Stop using your credit cards — no sense paying interest on money that you have just been cut. Take your credit cards, cash out of your wallet and put them away. Don’t make any purchases in cash, write a check or use a debit card. If you can’t pay for it, don’t buy it.

2. Don’t buy anything the first time you go out. Go home and think about it. Do you really need it or do you want it?

3. If you’re married, let the “chaperone” pay your money. Shop from a list and stick to it.

4. Don’t go food shopping when you’re hungry. Make a grocery list and stick to it.

5. Furlough notices will go out on about 62,000 civilian Defense Department employees, which is about 5,000 less than the number planned.

6. If you have a thermostat with a timer, you can turn the back to a comfortable level when you get home. If not then turn them to a comfortable level when you get home.

7. Bring a comfortable level to a comfortable level when you get home. If not turn them to a comfortable level when you get home.

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F-35 production on track, program chief says

By Claudioue Roslo

American Forces Press Service

WASHINGTON (AFNS) – The next Joint Strike Fighter program is a different program than it was four years ago, the program chief said here March 12. In a speech at the AEDC Credit Union Conference, Lt. Gen. Anthony "Tony" Bogdan, III, told attendees that he and his predecessor, Navy Vice Adm. Dave Hull-Ryde, verified with Lockheed Martin and Pratt & Whitney to reform the problem-plagued development program.

"Lockheed Martin and Pratt & Whitney have been doing a pretty good job over the last few years of stepping up and making those kind of changes that management needs for this program to succeed," the general said.

The aircraft’s development has been rocky, Bogdan acknowledged. A mile-long of short takeoff and vertical landing systems in 2004 for $6 billion will add $6 billion to the cost of the development program, he said.

"We have really tuned the process, but I don’t have the resources nor do I have the expertise that the entire Department of Defense has when it comes to building airplanes," Bogdan said. Design review boards are now chaired by government executives from throughout the Defense Department, he said.

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It doesn’t make sense for the government to perform particu lar functions — what we used to call “crumbs” kind of work. This is traditionally what AEDC has provided!

Mike Scott, an ATA test director for the STA, said the organization as a positive step for the future.

"Bringing Air Force and AEDC personnel together to work directly toward the common goal of satisfying test customers will help morale and make for a more efficient test team, he said.

22 tips for 22 weeks of furlough

By Autumn Standley

Arnold AFB Casualty Assistance

With furlough looming over many of our heads, I’ve asked myself how I can help people get through this stressful time. Here are tips:

1. Stop using your credit cards — no sense paying interest on money that you have just been cut. Take your credit cards, cash out of your wallet and put them away. Don’t make any purchases in cash, write a check or use a debit card. If you can’t pay for it, don’t buy it.

2. Don’t buy anything the first time you go out. Go home and think about it. Do you really need it or do you want it?
FORTE MEADE, Md. (AFNS) — After Mildred McDowell left the Air Force in 1949, she had one regret—that she no longer had her Women's Army Corps uniform. Fortunately, the year before she died, someone read a story about her life and sent her a replacement. When McDowell died at the age of 90 on Nov. 15, 2012, she was buried in her uniform in Ramsey, Ill., about 75 miles north of Scott Air Force Base.

“She was very proud and pleased that she would be able to be buried in her uniform,” said her grand-nephew, Capt. (Lt. Col.) Stan Giles of the 134th Air Refueling Wing at McChord Tyson Air National Guard Base, Tacoma, Wash. “When she got her uniform, she breathed a sigh of relief because that was how she wanted to be buried.”

McDowell, who may have been the nation’s oldest surviving female veteran before her death, served as a WAC during and after World War II, and many of the people she served with during the war later returned to Fort Meade to live near her. “I didn’t like the job at first. A lot of women who had never known a parachute made a mistake and would cause an Airman to die from it,” McDowell said.

After teaching for 14 years, McDowell changed careers when the military changed her last home, a room in the Vandalia Rehabilitation and Training Center in Vandalia, Ill., about an hour northeast of St. Louis. A former word-processed U.S. Army decal faced her bed, upon which were a neatly folded red, white and blue towel with the words, “Freedom is Not Free.” On a nearby bookcase was a figurine of the teacher’s angel. “If I Teach is to Touch a Life Forever.”

After an interview before her death, “So I asked for another job, and I worked about supplying airplane parts to the mechanics working on planes on the line.”

McDowell was honorably discharged after the war in December 1945, but reenlisted March 18, 1946 and later transferred with the 134th Air Refueling Wing at Scott Air Force Base, Illinois. A mirror with a St. Louis logo was a figurine in her last home, a room in that had left remnants of the well waiting for every encounter a UXO,” he said. “Mishandling these objects could detonate. This training was all about those one going home safe at the end of the day. We had approximately 50 fires per year that were disturbed by human contact, comedically.”

AEDC firefighter Sam Wenger said, “This information is necessary for progress, the material presented. “Its benefits are far reaching on to responding units due to our current mis-Understand that while new knowledge could very well be gained could very well be years added to the life of the someone who learned encounters a UXO,” he said. “Mishandling these objects could be catastrophic.”

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#### Graphic by Sylvia Saab

A graphic showing detailed information for UXO from page 1

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By Renae March
Air Force Materiel Command Public Affairs

ATA and IGUA extend current labor contract

The bargaining unit members of the International Union ofGuyana (IGUA) Local 46 recently approved a one-year extension of their labor contract through March 31, 2014 with AEDC’s prime contractor ATA. IGUA Local 46 has been a part of the Arnold Air Force Base security and base protection since 1952. AEDC’s security forces are recognized by the state of Tennessee as certified police officers authorized to perform all police functions similar to any municipal police force.

March 25, 2013 • 5

High school campus named for AFMC commander

By Kim Dawley
Air Force Materiel Command Public Affairs

WRIGHT-PATTERSON AIR FORCE BASE, Ohio -- Beavercreek City Schools dedicated its high school campus to Air Force Materiel Command Commander Gen. Janet Wolfenbarger, a 1976 Beavercreek graduate, in a ceremony held March 15.

The campus was renamed the “General Janet C. (Libby) Wolfenbarger Campus at Beavercreek High School.” The school is located just a few miles from Wright-Patterson Air Force Base.

“We hope they will learn about your legacy, our youth from Wright-Patterson. “We hope they will learn about your legacy,” said Peg Arnold, member of the Beavercreek Board of Education, told Wolfenbarger during the ceremony. “We hope they will learn about your legacy.”

Although I don’t believe anyone could tell you the exact words that provoked you to succeed. I challenge all students who enter this campus to reach for your dreams. You are far more capable than you think you are. If you think you can, you will. Beavercreek High School, Class of 1976. U.S. Air Force Academy, Class of 1980. First Female Four-Star General in the U.S. Air Force.” (U.S. Air Force photo/Ryan Fry)

The ceremony included the unveiling of plaques with a quote from Wolfenbarger that will be erected at the campus entrances, as well as presentations by several public officials.

Wolfenbarger has long credited her education at Beavercreek High School for providing her the foundation for her success at the U.S. Air Force Academy, from which she graduated in 1980 in the first class with women cadets, and throughout her career. “The impact that this institution had on me was invaluable,” she said. “Beavercreek really did arm me with the tools to succeed. Although I don’t believe anyone could tell you the exact words that provoked you to succeed. I challenge all students who enter this campus to reach for your dreams. You are far more capable than you think you are. If you think you can, you will.”

After reflecting on her time as a Beavercreek student nearly 40 years prior, the general shared a message with the current students. “The day I left Beavercreek High School and began my Air Force career, that one day I would come back to Dayton, Ohio, with four stars on my shoulder,” Wolfenbarger said. “But I came out on the other side of my Academy experiences realizing I am far more capable than ever thought I could be. So here’s my message to you all. You are young. Your entire lives are ahead of you and you, too, can accomplish things that you have never dreamed of. Encourage you all to make goals, to follow your dreams and to stretch yourself along the way. And if you truly dedicate yourself, you, too, will realize that you are far more capable than ever thought you could be.”

Wolfenbarger concluded her remarks at the ceremony by thanking the faculty, staff and friends of the school. “I am truly proud to have my name added to the walls of this wonderful school and campus,” she said. “This is a tremendous honor, and I mean that from my heart.”

doesn’t take that long.
5. Keep window shades drawn during the day in hot weather and open the shades in cool weather to let in the sunshine.
6. Discontinue cable TV or something you don’t use.
7. Don’t eat out as much. Consider raising the rates on car insurance.
9. Consider raising the rates on car insurance.
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By Airman 1st Class Alexander Riedel
Air Force News Service

FT. GEORGE G. MEADE (AFNS) – Since 1953, the Air Force’s air demonstration team, the Thunderbirds, have captivated spectators across the world and showed its audiences what the Air Force’s aircraft are capable of. For two years, Lt. Col. Nicole Malachowski surprised audiences not just in the air, but especially when she stepped out of the cockpit of the fighter jet as the first woman to be accepted for a seat on the Air Force’s premier show team.

Being on the crew took Malachowski full circle to the root of her career, she said. At just 5 years old, she visited an air show with her parents and was fascinated by the powerful roar and agility of the F-4 Phantom II.

“I remember looking my father in the eye and saying ‘I want to be a fighter pilot someday,’” Malachowski said. Soon she began the journey to the cockpit by participating in the Civil Air Patrol at age 12 and took to the pilot’s seat for her first solo flight at age 16 — getting her pilot’s license. She continued on her path by applying to the U.S. Air Force Academy, receiving her commission in May 1996. Malachowski went on to serve in three operational F-15E Strike Eagle fighter squadrons, holding positions as a flight commander and instructor pilot. She quickly amassed more than 1,600 flying hours, including 185 hours of combat time in Operation Deliberate Forge and Operation Iraqi Freedom. On the ground, she also served alongside the U.S. Army’s 2nd Infantry Division as an air liaison officer in South Korea.

In every job, Malachowski excelled, and her flying talent and real-world experience eventually got her selected as the first female pilot in any American military air demonstration team.

In interviews, however, Malachowski often repeated that she didn’t think her gender set her apart.

“What we need to concentrate on is what we have in common, which is that warrior spirit that’s in all of our hearts, that has created us the way we are — to choose to be a part of something so much bigger than ourselves,” Malachowski said during a speech at the Women in Military Service for America Memorial at Arlington National Cemetery in 2006.

But her role as a pioneer in the team was not lost on the officer.

“I never thought I would be a Thunderbird,” she said in 2007. “I still don’t have my arms around it. I don’t think I have fully grasped the significance, and maybe it is something I will figure out in a few years.”

For her, the teamwork of all Airmen is what makes the Air Force mission possible.

“Women have been an integral part of the Thunderbird team for decades,” Malachowski said in an Air Force press release; hinting at the enlisted women who served in support and maintenance roles with the Thunderbirds since 1974. “The women of yesterday and today’s Air Force maintain a tradition of excellence, and it is that heritage that has given me this exciting responsibility of being the first female Thunderbird pilot.”

In late November 2007, Malachowski finished her tour with the thunderbirds and performed her last show in front of her hometown crowd in Las Vegas, Nevada. Then-Maj. Nicole Malachowski is the first woman pilot in the U.S. Air Force Thunderbirds. The Thunderbirds are the Air Force’s premier air demonstration team. (U.S. Air Force photo)

But Malachowski’s career did not stop with her last show. Leaving behind the stressful schedule of the show team, she took on new challenges from supporting senior government leaders as a White House fellow, to her current position as the commander of the 333rd Fighter Squadron.
A group of Westwood Elementary School 5th grade students experienced some of what AEDC offers in aerospace testing, safety and conservation in a two-day Spark educational tour. The group, with more than 60 students, participated in hands-on demonstrations like knowing how to use personal protective equipment, land and wildlife conservation, how a vacuum works and rocket design and launch at the STEM Center. They also toured the Complex’s Hypervelocity Ballistic Range G and the Propulsion Wind Tunnel 16 foot supersonic tunnel.
A team of students, faculty and staff members from Air Command and Staff College (ACSC) hit the ground running and riding March 7 to raise money for the children of fallen special operations members.

The team of 63 left Maxwell Air Force Base, Ala., on a 465-mile, 48-hour run and bike relay to the finish line at MacDill AFB, Fla., home of U.S. Special Operations Command.

Separated into nine groups, the athletes traveled in shifts to ensure a team was always on the road. Each shift varied from 3-mile runs to 20-mile bike and run combinations.

Their two-day journey meant more than just a fitness benchmark, however. “Hopefully, we can raise awareness and a good bit of money to help out families who had a loved one pass away,” said Maj. Matthew Astroth, a student at ACSC.

After all teams participated in an initial run from Maxwell AFB to the starting line in downtown Montgomery, Ala., the other teams were shuttled to various starting points on the route, depending on their team’s next leg for rest and recovery. With little time between each leg, team members had barely enough time to shower, wash their bike riding apparel and snatch two or three hours of rest before they were due for another round.

“The endurance ride and run was a challenge, but it was the camaraderie and teamwork that made it so memorable,” said Maj. John D. Nunn, a student at ACSC.

For more information about the Warrior Relay or the Special Operations Warrior Foundation, please visit https://www.specialoperationswarriorfoundation.org/.

See AIRMAN, page 11
Team R.P.G. wins Rockwell Innovate award in FIRST® Tech Challenge

By Raquel March
ATA Public Affairs

Team R.P.G. (Robot Programming Guild), a Tennessee team, recently competed in the FIRST® Tech Challenge (FTC) in Owensboro, Ky., where they won the Rockwell Innovate award for their wheel design.

The FTC is designed for students in grades 7-12 who want to compete head-to-head, using a sports model. Teams of up to 10 students are responsible for designing, building and programming their robots to compete in an alliance format against other teams.

The team was able to acquire a robot and compete due to sponsors like AEDC’s STEM Center coordinator Jere Matty.

Mark Ferguson, the team’s coach, said the award the team received is only issued to one robot per competition.

“Guidelines for the Rockwell Collins Innovate Award: Robot or robot sub-assembly must be elegant and unique in its design; the creative component must work reliably; the team must submit an engineering notebook; the robot is stable, robust and controllable, and the robot design is efficient and consistent with team plan and strategy,” Ferguson said.

The team’s coordinator, Kimberly Ferguson said the team members are from Eagleville High School, Central Magnet School, Friendship Christian School and Volunteer State Community College.

AEDC’s STEM Center is a sponsor for two FTC teams. For more information about AEDC’s STEM Center see this link: www.arnold.af.mil/STEM.
Each year, Aviation Week & Space Technology, which reports on the full scope of the aerospace industry, including global aviation, aerospace, defense, corporate and government entities, honors the extraordinary achievements of individuals and teams in the aviation, aerospace and defense communities. The Speed Agile team sought to develop and advance a concept for a next-generation, heavy-flying, fixed-wing military transport aircraft capable of combining short take-off and landing (STOVL) capabilities with efficient transonic cruise. The overall program goals also have potential extensions to the future of civil aviation. The program consisted of six tasks—including testing at NFAC and NASA Langley’s National Transonic Facility.

“The NFAC test program was one of the tasks associated with the overall Super Hybrid Powered Lift System in a transonic data collection environment that allowed the Technology Readiness Level 5 test program to fully characterize the concept of the Hybrid Powered Lift System in a large, powered model and collecting critical low-speed data for use in developing a flight simulator. The test program was key in making both the large and complex test article—which featured a 41-foot wingspan, live jet engines, remotely-actuated control surfaces and a highly intricate suite of instrumentation—fly. The flexibility and expertise of the NFAC mechanics and instrumentation crew were crucial in helping the test efficiently recover from issues as they arose,” he said. “NFAC also worked to find ways to improve certain elements of the model design as the test continued and make the model more robust and reliable. NFAC testing was focused on proving proof of concept for the Hybrid Powered Lift System in a transonic data collection environment that allowed the Technology Readiness Level 5 test program to fully characterize the concept of the Hybrid Powered Lift System in a large, powered model and collecting critical low-speed data for use in developing a flight simulator.”

The scale of the NFAC tunnels also allowed for a model that was large enough to incorporate nine jet engines, a fully-adjustable set of control surfaces, and a complex suite of instruments, all of which were critical to establishing proof of concept and advancing the Technology Readiness Level 5 test program to key in making the program a success and helping it achieve this prestigious milestone.

From left, then AFMC commander Gen. Donald Hoffman and AEDC’s National Full-scale Aerodynamic Complex (NFAC) Test Director Patrick Goulding II get a close look at a 23-percent scale model of the Speed Agile technology demonstrator that recently underwent aerodynamic testing in the world’s largest wind tunnel at NFAC in Mountain View, Calif. (Photo provided)
cost curve. They’re getting more efficient in their production line and that’s a good thing, because I promise you the thing that our partners care most about is how much this airplane’s going to cost.

Eight nations have committed to participate in the development program, and another three may buy F-35s, with nearly 3,000 aircraft expected to be produced. With such a large order and so many partners invested in the aircraft, it’s essential to keep costs down to avoid what Bloedorn called the “death spiral,” something he said he’s seen kill off many programs.

The death spiral is when increasing costs lead to a reduction in the number of units purchased, which in turn leads to further per-unit cost increases, and so on. “I don’t think that’s the fate of this program,” Bogdan said. “But the proof is in the pudding, and we have to continue to see Lockheed-Martin and Pratt & Whitney investing in making the production line more efficient, squeezing the costs out, and getting the unit cost of this airplane down. I think they can do it, but we have to wait and see.”

Production costs are only part of the puzzle, however. About 70 to 80 percent of any program’s costs are in the long-term operation and sustainment phase, the general said.

What’s unique about the F-35 is that the Defense Department has never had to estimate the costs of a 50-year aircraft life cycle, he said. Adding to the complications of producing such a cost estimate is that the department hasn’t had an aircraft program this large since World War II, Bogdan said.

“So, lots of airplanes over a very long period of time, with inflation added in, you can understand how the (Office of the Secretary of Defense) guys come up with a number like $1.1 trillion,” he said. “That’s an astronomical number; it’s based on a lot of assumptions. I’m not saying that it’s that hard a number. I’m just saying we need to take that number with a grain of salt.”

What he does know, he said, is that action must be taken soon to reduce the F-35’s long-term sustainment costs. Without it, the general said, a time will come when the services decide that the aircraft is no longer affordable.

“So we have to start doing things today,” Bloedorn said.

PURSUE

F-35 from page 3

“Pursue something that you are passionate about, and then pursue excellence at that. And surround yourself with a positive team. I hope that when they see the Air Force Thunderbirds, they realize they can achieve anything, that they can achieve any dream, and that a great team to have is certainly the Air Force.”

In the Thunderbirds’ famous flying diamond formation, Malachowski flew in the F-16 Fighting Falcon No. 3, right wing position again at the show. By a woman today. Maj. Caroline Jensen continues to inspire dreams at air shows across the country.

“Women have been involved in aviation since the time of hot air balloons,” Malachowski said at the 16th Annual International Women in Aviation Conference in San Diego, March 14, 2008. “It’s only normal for me that women are going to add their strength and skills to the effort of pushing aviation forward.”

Airman from page 8

Airmen took its toll on the participants both mentally and physically.

“It was definitely challenging physically,” Astroth said. “During the nights, when it was cold and we were running through these freaking hills, we had to keep in mind that this wasn’t about money, it was about something bigger than ourselves.”

With airmen buckled in and biking shoes clamped onto pedals, the teams pushed through the nights and days, enduring multiple shifts with few hours separating the exhausting effort to reach MacDill AFB.

“After doing multiple legs in one day with only a small nap cut here and there, and then becoming a real stress on the body,” said Maj. Jose Vasquez, an ACSC student. “It was definitely a run that kept the participants both mentally and physically.

Our goal was to raise awareness for the foundation and raise as much money as we can,” Astroth said. “I would say that this was the first attempt at this event ever went well, and my hope is that a child can benefit from what we did the last 48 hours, and hopefully, lives will be impacted in a positive way.

At the end of the relay, the ACSC team presented their donation of $20,000 to the Special Operations Wartime Foundation.
**Arnold Golf Course**

**454-402-5400**

Check us out on FaceBook

**Services Offered**
- **Barbecue**
- **Breakfast**
- **Lunch**
- **Dinner**
- **Picnics**

**Check in at the Clubhouse.**

**Hours of operation**
- **Monday** – **Saturday:** 6 a.m. – 9 p.m.
- **Sunday:** 8 a.m. – 6 p.m.

**Services and Amenities**
- **Breakfast:** 6 a.m. – 10 a.m.
- **Lunch:** 11 a.m. – 2 p.m.
- **Dinner:** 5 p.m. – 9 p.m.
- **Bar Service:** 4 p.m. – 9 p.m.

**Amenities**
- **Mulligan Bar & Grill**
- **Multipurpose Room**
- **Pro Shop**
- **Half-Court Basketball**
- **Fitness Center**
- **Pizza from ALC or Café 100**
- **Outing Grill**
- **Fitness Center**

**Tournaments & Events**
- **Season Opener**
  - April 13 – **18 Holes/90-Minute Round**
  - $26 includes 9 hole green fee, 18 hole cart fee plus hot dog and soda. **Four-person scramble** April 13 – **AESC Member Tournament**
  - $26 includes 18 hole green fee for the 2013 season.

**Customer Loyalty Program**
- Get Rewarded!
  - **Introduction to Hula**
  - **Boot Camp**
  - **Interval Training**
  - **Yoga**
  - **Cycling**

**Tournaments**
- **Member Only (Ladies)**
- **Member Only (Men)**
- **AESC Tournament**
- **Guest Tournament**
- **Winter League**
- **Summer League**
- **Fall League**
- **Winter Play Days**
- **Spring Play Days**

**Member Benefits**
- **10 percent discount on all combo purchases**
- **10 percent discount on a la carte food**
- **Choice of cheesecake of chicken strips served with rice or mashed potatoes, sausages and mug cake or mug meal and $50 Services Bucks.**
- **10 percent discount on mulligan bar & grill items.**
- **10 percent discount on all items at the fitness center.**

**AESC Membership Benefits**
- **Complimentary Lunch on the first question then you must choose either your home course or other.**
- **10 percent discount on all items at the fitness center.**
- **Choice of cheesecake of chicken strips served with rice or mashed potatoes, sausages and mug cake or mug meal and $50 Services Bucks.**
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**The Drive**

**AESC members**

**Check us out on FaceBook**

**Ask about our Annual Green fee for the 2013 season**

**Mulligan’s Coffee Bar & Grill**

**The Group Class Big 4 challenge may be completed anytime during April. Participate in at least one of all four types of classes.**

**March 25, 2013 • 13**

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**The Camp Adventure Program** will not be offered this summer because of funding constraints and facility limitations. We apologize for any inconvenience this may cause.

- **If you would like a list of other options available in the local community please call 454-3415.**

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**The Gym**

**Fitness Center**

**April 4 – “Hotel Transylvania,” rated PG (1 hr. 31 min.) starring voices of Adam Sandler, Kevin James, Steve Martin, and Selena Gomez.**

**April 11 – “Parental Guidance,” rated PG-13 (1 hr. 33 min.) starring voices of Jack Black, Brooklyn Decker, and Leslie Mann.**

**April 17 – “The Hobbit: An Unexpected Journey,” PG-13 (2 hr. 49 min.) starring Martin Freeman, Ian McKellen, and Richard Armitage.**

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**Spring Fun Run**

- **Sunday, April 14:**
  - **11 a.m.** on the footpath in the Fitness Center.
  - **1 mile run to sign up for a receipt.**

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**See BRIEFS, page 14**
The Gossick Leadership Center (GLC) may be used for events such as meetings, conferences, luncheons, dinners, and banquets. At least two weeks in advance is required to book the GLC for a team building event. For more information, please contact Arnold Lake Police (931-454-3051) for reservations.

Outdoor Rec (GDR) 304

Check us out on Face-Book! Arnold AF/BIFS Services Outdoor Recreation

An Archery Basics Class will be held April 6 from 6 to 9 p.m. at Outdoor Rec for ages 10 and older. Cost is $5 and deadline to sign up is March 24. There must be at least two to take the course and no more than six. This class will teach the basics of archery to include how to bow properly, how to shoot with correct technique and also learn some history. Flows, arrows and targets will be provided and you may bring your own equipment if you have it.

Outdoor Rec will hold an outdoor Expo at building 350 (loading dock side) from 10 a.m. to 2 p.m. April 11. Door prizes are available to encourage you to come and see some of the items available for rent from Outdoor Rec. Stop by to see what is new for the summer and learn about many of the customer favorites available.

Some of the new items include custom made corn hole, kickball/softball, archery equipment and Frisbee golf. These items include ladders, frisbees, windscreen, picnic baskets, team building bags, inflatables, Frisbees,标志, lawn games and more. Brochures with pricing and information on these items as well as camp at FamCamp, Crockett Creek and Dogwood Plaza will also be available. Door prizes will be given throughout the event so be sure to register. You do not have to be present to win but all entries must be filled out correctly to be eligible.

Rates may be picked up at a later date from Outdoor Rec. Registration and insurance of item rents for $45 per month or $250 per year. The covered boat slip will be available in the RV storage yard. Each slot is 30 feet long by 10 feet wide and is $25 per month or $250 per year. The covered boat storage yard will be granted permissive TDY in accordance with DoD guidance and AF In- formation please contact HQ AF/MC/A1SK at (931) 454-4803 in DN 747-4803. Complete race details and entry form is available at www.usafmarathon.com. Outdoor Rec (GDR) 304

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