



HIGH MACH

Serving the World's Premier Flight Simulation Test Complex



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Edward Kraft, pioneer of Integrated Testing and Evaluation, retiring from AEDC

By Deidre Ortiz
AEDC Public Affairs

Dr. Edward Kraft, a senior level executive for the Department of Defense and one of the pioneers for integrating modeling and simulation into testing and evaluation for the DOD, is retiring as AEDC chief technologist.

During his time as chief technologist at AEDC, Kraft has served as the principal technical advisor to the commander and top technical expert for the Complex in the testing of hardware in aerodynamic, propulsion and space ground test facilities that simulate flight conditions; and in developing advanced test techniques, instrumentation and facilities by exploiting current research and applying new

technologies. He has provided technical leadership in identifying future technical needs and innovative strategies to support advanced test facilities, systems and equipment.

Kraft is a widely recognized authority on the integration of modeling and simulation into test and evaluation processes. He is also a leader in the application of systems dynamics and lean thinking to enterprise processes.

Though leaving AEDC, Kraft doesn't plan to end his legacy here. He will be starting a new opportunity as associate director of research at the University of Tennessee Space Institute.

"This will give me the opportunity to expand on what I've worked on at AEDC

and enable me to support the Complex in a different capacity," he said.

AEDC is the place Kraft first started his career as an engineer, and the number of projects that Kraft has been involved in while at AEDC is a lengthy list.

"I started as a co-op student in June 1964 when I finished my bachelor's degree in aerospace engineering at the University of Cincinnati," Kraft said. "I was finishing my master's at UTSI and started full-time in 1969 working in the Propulsion Wind Tunnels."

At that time, as a contract employee, Kraft worked mainly in the 16-foot transonic tunnel at AEDC before moving into the field of technology and analysis.

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Dr. Edward Kraft, AEDC Chief Technologist (U.S. Air Force photo/Jacqueline Cowan)



New partners, new missions

By AEDC Public Affairs

Editorial Note: This is a series of articles to provide information about the 704th TG, the Squadrons, units and missions under the Air Force Test Center realignment for AEDC.

McKinley Climatic Laboratory

The McKinley Climatic Laboratory, an AEDC facility located at Eglin Air Force Base, Florida, has chambers where any climatic environment in the world can be simulated.

The capabilities available at the Climatic Laboratory help engineers ensure maximum reliability and operational capability of complex systems as global operational theaters continue to impose harsh environments.

Tests at the facility for the Department of Defense, other government agencies and private industry have included items such as large aircraft, tanks, missile

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An F-35 endures freezing temperatures in the AEDC McKinley Climatic Laboratory at Eglin Air Force Base, Florida, Jan. 27, 2015. The joint strike fighter underwent four months of climate testing in the lab to certify the fleet to deploy to any corner of the world. (U.S. Air Force photo/Samuel King Jr.)

Nominations for 2017 AEDC Fellows open

By Claude Morse
Arnold Community Council

The Arnold Community Council (ACC) is currently accepting nominations for the 2017 AEDC Fellows Program with submissions due no later than March 25.

Established in 1989, the Fellows program recognizes AEDC individuals who have made substantial and exceptionally distinguished technical contributions to the nation's aerospace ground testing capability at AEDC or at any of AEDC's remote operating locations.

Since the inception of

the Fellows program, a total of 91 individuals (Technical Fellows, Craftsmen Fellows, Lifetime Achievement Fellows and Honorary Fellows) have been inducted as AEDC Fellows.

Due to changed government rules and regulations in 2016 on awards to non-government employees ACC has assumed responsibility for continuing the AEDC Fellows program.

The achievements of Technical, Lifetime or Craftsman Fellows should have had a disproportionately positive effect on AEDC's capacities to perform its missions while enhanc-

ing the ability of employees, customers, suppliers and stakeholders to support AEDC's operations.

AEDC Technical Fellow nominations may be submitted by any present or former AEDC government or operating contractor or subcontractor employee. All current or retired military, civilian and operating contractor and subcontractor personnel assigned or previously assigned to AEDC can be considered candidates for selection as an AEDC Technical Fellow. Candidates qualified for consideration as an AEDC Fellow must personally have

made sustained, long-term, notable and valuable contributions in aerospace ground testing at AEDC.

AEDC Craftsmen Fellow nominations may also be submitted in the same manner as the AEDC Fellow nominations. All current or retired military, civilian and operating contractor or subcontractor personnel assigned, or previously assigned, to AEDC can be considered candidates for selection as an AEDC Craftsmen Fellow. The Craftsmen Fellow category recognizes exceptional craftsmen who possess the ability to identify customer requirements

and respond with sustained technical innovations, working effectively and efficiently as part of technical teams and have dedicated their careers to the success of the AEDC mission. They must have personally made notable and valuable lifetime contributions to AEDC in any area relevant to the AEDC mission.

AEDC Lifetime Achievement Fellow nominations may be submitted by any present or former AEDC government or operating contractor/subcontractor employee. AEDC Lifetime Achievement Fellows are reserved



for exceptional candidates and are not necessarily selected each year. All current or retired military, civilian and operating contractor or subcontractor personnel assigned or previously assigned to AEDC can be considered candidates for selection as an AEDC Lifetime Achievement Fellow.

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HIGH MACH



Arnold Engineering Development Complex
An Air Force Test Center
Test Complex

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Core Values

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



Vision

"NAS will be integral to the success of AEDC, the U. S. Air Force's premier aerospace testing facilities, while applying the highest standards of ethics, innovation, safety, security, and quality to daily operations."

Values

- Ethics. We are uncompromising in our integrity, honesty, and fairness.
- Safety & Health. We are relentless in keeping people safe from harm, and we provide a safe and healthy work environment.
- Excellence. We thrive on challenge, accomplishment, and mission success.
- Quality. We are passionate about doing our work right the first time.
- People. We have a mission-focused, inclusive workforce who have a diverse skill set, are committed to success, demonstrate innovation and have a can do attitude.
- Culture. Our team is proud of our diversity, inclusiveness, and collaborative work environment. We are proud of what we do and how we do it.
- Relationships. We build positive, long-term business relationships through trust, respect, and collaboration.
- Innovation. We overcome challenges through creativity, perseverance, technology, and flexibility. We actively seek to continually improve.
- Sustainability. We plan and act for the long term benefit of our communities and our environment.



Eric Lagier becomes director of 704th Test Support Squadron

Col. Andrew Allen, commander of the 704th Test Group, appoints the command responsibility of the 704th Test Support Squadron to Eric Lagier during a Change of Responsibility ceremony Dec. 19, 2016, at Holloman Air Force Base, New Mexico. The 704th TG is an AEDC organization. The 704th TSS oversees operational support to the 704th TG missions which is to operate world-class test facilities for high speed sled track testing, navigation and guidance system testing, radar signature measurements, weapon systems flight testing, and acts as the Air Force liaison for all Air Force programs tested at White Sands Missile Range. (U.S. Air Force photo/Capt. Michael Rodgers)

Base Legal Office offers tax help

By Leslie McGowan
AEDC Legal Office



Leslie McGowan

The 2016 income tax season has arrived and the Arnold Air Force Base Legal Office is offering free Volunteer Income Tax Assistance (VITA) for eligible personnel.

All service members on active duty and retirees and their dependents are eligible to receive these free services. This year the legal office will also be able to provide tax services to other categories of filers including Department of Defense civilians whose income is less than \$64,000.

IRS-trained volunteers assist tax-filers in preparing, reviewing and electronically filing their income tax returns. Most customers receive their refund within two weeks. Please note, by law the

certification levels which include rental properties and Schedule A itemizations. However, taxpayers filing taxes that are beyond the VITA scope of training and certification, with complicated returns such as non-deductible IRAs, businesses involving employees and inventory, and complicated capital gains and losses, will need assistance from a paid professional preparer for tax assistance.

Military members should access and print their W2s from the MyPay website at <https://mypay.dfas.mil/mypay.aspx> before arriving for their appointment.

If you prefer to "do-it-yourself" tax returns," Military One Source has a free federal and up to three state tax forms tax preparation and e-filing program available to military mem-

bers and their dependents through their website at www.militaryonesource.com. The website allows tax filers to utilize a free online version of the H&R Block tool.

The software is a simple question and answer program that is a quick and easy way to complete and e-file your federal tax returns. The program also allows military members the option to e-file their state returns for a small fee. You can also receive military specific advice regarding tax questions at no cost by speaking to a trained Military OneSource tax consultant at 1-800-242-9647.

If you prefer to file your federal and state taxes using the paper forms, these forms are now available online for download and printing at www.irs.gov or through the individual state tax websites.

The IRS also offers a free tax program, Free File, at www.irs.gov where individuals who make less than \$64,000 can e-file for free. For more information, call the legal office at 454-4657.

For those who are not eligible for the military tax assistance programs, the IRS VITA program is offered at the Coffee County Lannom Memorial Library in Tullahoma by appointment only. For a tax appointment at Tullahoma, please call (931) 433-0075.

If you live outside the Tullahoma area and wish to locate your nearest VITA site, call the IRS information VITA line at 1-800-829-1040.

If you are interested in assisting taxpayers with tax preparation at the Arnold Legal Office, call 454-4657.

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He worked as contract employee from 1969 until 1995, and during this time became general manager of one of the operating contracts.

In 1995, he left to work in industry but later came back to AEDC in September 2001 as a federal employee.

"Starting here as a young engineer in the 1960s, I was able to see a lot of these facilities come out of the ground," Kraft said, who even assisted in the design of the 4-foot propulsion wind tunnel at AEDC.

Throughout his time at AEDC, he has seen many an engineer begin his or her journey at the Complex, and has no doubt served as mentor for many. A piece of advice he leaves with the present and future engineers that set foot inside the facilities at AEDC is that networking is key to growing and learning within their chosen career field.

"It's beneficial for young engineers to be involved in conferences and write papers on their area of expertise," he said.

Out of all he has been a part of at AEDC over the years, Kraft's most memorable accomplishment is the successful development of the F-22 Raptor program using the integrated modeling and computational fluid dynamics software.

"The only place we could have done this is here at AEDC because of our team of experts in testing, flight and technology," he said.

Kraft is also largely known for work he's done outside of AEDC within the aerospace industry. Industry positions he has held over the years include vice president and chief technical officer of Allied Aerospace Industries, Inc.; executive vice president and chief operating officer and vice president for Enterprise Development, Micro Craft, Inc. and general manager, Micro Craft Technology.

In recognition of his endless research and findings benefitting the Air Force and DOD, he was named a Fellow of the American Insti-



Dr. Edward Kraft, second from right, retiring this month from his position as AEDC Chief Technologist, assists in the ribbon cutting ceremony marking the official debut of the Complex's Dedicated High Performance Computing lab in 2009. During his time at AEDC, Kraft has seen the Complex and facilities grow and been a part of many technological advances. Pictured from left are AEDC team members Lance Baxter, Mark Rigney, then Col. Robert Bender, Michael Glennon, James Brock, Kraft and then Col. Eugene Mittuch. (U.S. Air Force photo/ David Housch)

tute of Aeronautics and Astronautics, as well as Fellow of AEDC. He has also been presented with the General H. H. Arnold Award from the AIAA Tennessee Section and Special Achievement Award from the AIAA Tennessee Section.

Smoking Policy

- The following revised Arnold AFB smoking policy is effective immediately and applies to all individuals on Arnold AFB.
- Traditional Tobacco products (e.g. cigars and cigarettes):**
 - Smoking is permitted solely in Designated Tobacco Areas (DTAs) identified by designated signage. If no signage exists, smoking is not permitted in that area. It is the responsibility of all smokers to keep DTAs clean of cigarette butts.
 - Tobacco use on the Arnold AFB Golf Course is permitted, but discouraged based on the health hazards of tobacco use and secondhand smoke. No smoking is permitted within 50 feet of golf course buildings except in the approved DTA.
 - Smoking in government-owned/leased vehicles is strictly prohibited. Personnel are allowed to smoke in their personal vehicles at any time; however, at no time will personnel discard cigarette butts outside their vehicle.
 - For government employees, the fact that a person smokes has no bearing on the number of breaks they may take. Breaks should be taken in accordance with the current supervisory and personnel policies that afford all employees the same break opportunities consistent with good work practices and accomplishment of the mission.
- Smokeless Tobacco products (e.g. snuff and dip):** Smokeless tobacco products are not to be restricted to DTAs. Smokeless tobacco use will be permitted in all workplace areas (inside and out) subject to reasonable safety and sanitary conditions. Specifically, containers of tobacco waste product, including sealed containers, must not be left unattended or disposed of in trash receptacles. Users of smokeless tobacco must flush tobacco waste down the toilet.
- Electronic Cigarettes (also known as "e-cigs"):** Pursuant to Air Force Instruction (AFI) 40-102, Tobacco Free Living, e-cigs are considered to be equivalent to tobacco products; however, e-cigs are not restricted to DTAs and are allowed to be used outdoors at a minimum distance of 25 feet from building entry/egress points. (This policy is dated July 27, 2016)

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 via the AEDC intranet home page and by calling 454-6000.

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

Col. Rodney Todaro
AEDC Commander

AEDC African American Heritage Committee hosts Black History Luncheon

By Raquel March
AEDC Public Affairs

The African American Heritage Committee will hold a Black History luncheon Feb. 16, 12 p.m., at the Arnold Lakeside Center where they will reflect on the 2017 Black History theme, *The Crisis of Black Education*.

The 2017 theme, established by the Association for the Study of African American Life and History, focuses on the crucial role of education in the history of African Americans.

The ASALH executive summary regarding the theme states, "Carter G. Woodson once wrote that 'if you teach the Negro that he has accomplished as much good as any other race, he will aspire to equality and justice without regard to race.' Woodson understood well the implications associated with the denial of access to knowledge, and he called attention to the crisis

that resulted from persistently imposed racial barriers to equal education."

The luncheon speaker is Dr. Andrew Hugine Jr., president of Alabama A&M University, Huntsville, Alabama.

Hugine earned a bachelor's and master's degree in mathematics from South Carolina State University and a doctorate in higher education/institutional research from Michigan State University. He has presented at numerous professional meetings on strategies for increasing the number of minorities in the science, technology, engineering and mathematics disciplines and is the author of three mathematics textbooks.

Prior to his appointment at Alabama A&M University he served as president of South Carolina State University.

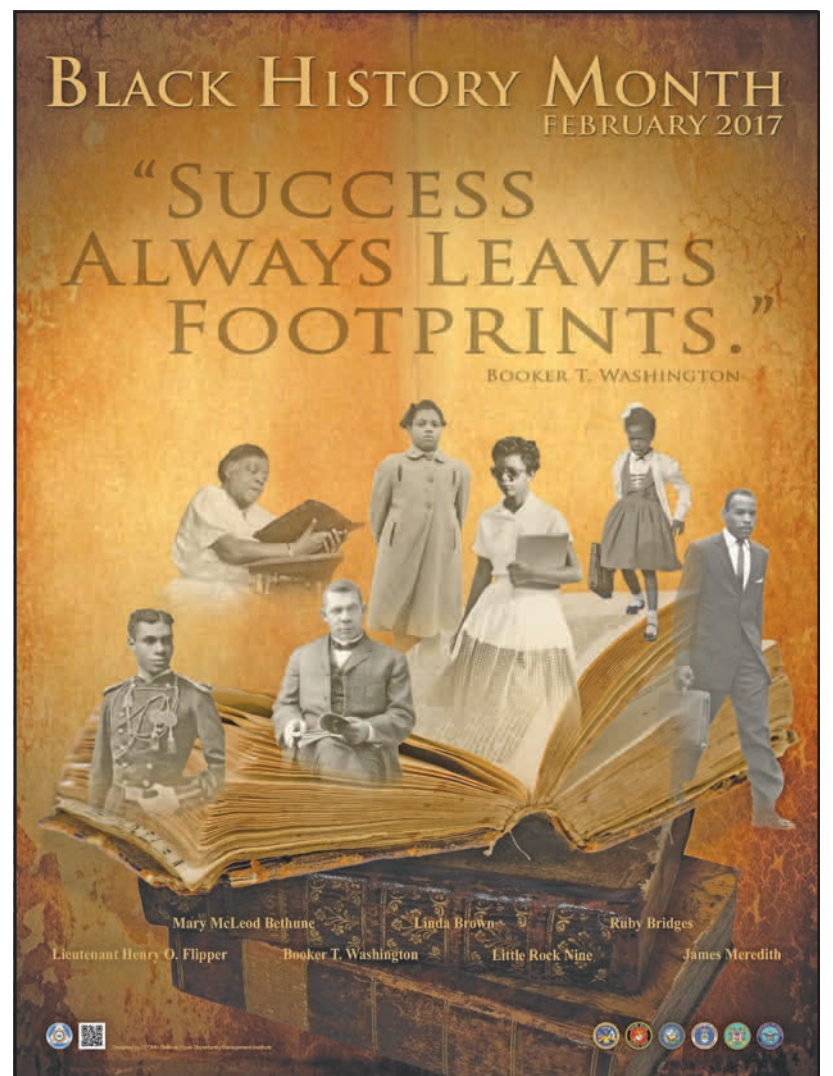
He has been recognized both nationally and internationally for his leadership



Dr. Andrew Hugine Jr., president of Alabama A&M University, Huntsville, is the speaker for the AEDC Black History Luncheon. (Courtesy photo)

in education and administrative skills.

Reservations and cash or check payment for the luncheon must be made no later than Feb. 8. The cost of the luncheon is \$16 for non-Services members and \$15 for Services members. Make reservations by emailing AEDC.AAHC, AAHC@us.af.mil or by calling 454-5434 or 454-4342.



(Defense Equal Opportunity Management Institute)

AEDC to host students during National Engineers Week

By Deidre Ortiz
AEDC Public Affairs

Students from the area will once again be teaming up with AEDC engineers to experience work environments and participate in weeklong competitions during National Engineers Week, Feb. 19-25.

Engineers from AEDC and throughout the local region volunteer their time to assist with mentoring opportunities and activities geared toward engineering concepts.

Engineers Week will begin with the MathCounts® competition Jan. 28 at the University of Tennessee Space Institute. The competition is a local event where the winners were combined into a team that will compete at the state level and possibly at the national level. Students in seventh and eighth grades from Bedford, Coffee, Franklin and Lincoln counties compete in these events, which challenge mathletes to solve problems.

A Student Design Competition will be held Feb. 21 at UTSI for high school students in tenth through twelfth grades from seven counties. Teams consist of two people and prizes

are awarded to the top three highest scoring teams.

Engineer for a Day is scheduled for Feb. 22 at AEDC, which will give high school eleventh and twelfth grade students the opportunity to tour the Complex and some of its facilities, as well as spend time with an engineer mentor in an area of their particular interest.

The final event of the week is the Engineers Week Banquet on Feb. 23 at the Motlow House, where students and mentors will celebrate the accomplishments of engineers and students. This year's guest speaker will be Dr. Chris Cotting, staff advisor of the Test Pilot School at Edwards Air Force Base in California.

Local organizations offering assistance with Engineers Week include the Tullahoma Chapter of the Tennessee Society of Professional Engineers, the Highland Rim Chapter of the American Society of Mechanical Engineers, the Tennessee section of the American Institute of Aeronautics and Astronautics, the Society for Maintenance and Reliability Professionals, the Project Management Institute and the AEDC Science Technical Engineering and Math Program.



Scholarship available to students of NAS, LLC employees

By Deidre Ortiz
AEDC Public Affairs

Students of NAS, LLC employees are eligible to participate in a scholarship program hosted by Bechtel.

The scholarship opportunity, part of the Citizen Scholars Program, is open through March 1. Bechtel awards 25 scholarships of \$3,000 across all companies and projects within its Nuclear, Security and Environmental business.

Who can apply? Children of full-time NAS, LLC employees who are in their last year of high school, pre-college or pre-university study and plan to enroll in a full-time undergraduate program at an accredited college, university or vocational-technical school in 2017. NAS, LLC employees must have at least one year of continuous AEDC service as

of the March 1 deadline. Children are defined as natural or legally adopted children, stepchildren, children of registered domestic partnerships, or legal wards of the NAS, LLC employee.

Children of retired NAS, LLC employees are not eligible. To remain eligible, the NAS, LLC employee must continue to be employed with the company at the time the award check is mailed.

Degree eligibility: All degrees are eligible. A minimum of 70 percent of scholarships are awarded to students declaring science, technology, engineering and math degrees.

Applications must be submitted online at <https://www.scholarsapply.org/bechtel/> by the March 1 deadline.

For more information, email nseaward@bechtel.com or careers@nas-llc.us.



Team AEDC remembers, celebrates Dr. Martin Luther King Jr.

AEDC team members prepare to participate in the Dr. Martin Luther King Jr. Remembrance Walk hosted by the AEDC African American Heritage Committee Jan. 12. The walk was to remember the sacrifices made by the civil rights leader. (U.S. Air Force photo/Jacqueline Cowan)

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Candidates who are qualified for consideration as an AEDC Lifetime Achievement Fellow must personally have made notable and valuable lifetime contributions to AEDC in any area relevant to the AEDC mission.

Only AEDC Fellows may submit a nomination for an AEDC Honorary Fellow. AEDC Honorary Fellows are re-

served for exceptional candidates and are not necessarily selected each year. Candidates qualified for consideration as an AEDC Honorary Fellow must have made sustained, notable, valuable and significant contributions to AEDC. These eminent individuals need not have worked at Arnold AFB.

Newly selected AEDC Fellows will

be honored this year during a banquet on Friday June 23 at the Arnold Lakeside Center. The Fellows banquet is held every year on or close to June 25, the birthday of General of the Air Force Henry "Hap" Arnold and the anniversary of the dedication of AEDC by President Harry S. Truman in 1951.

For more information and forms for

AEDC Fellows nomination submissions, call (931) 308-1923 or email wiederm@gmail.com.

Nominations must be submitted in written form with supporting materials to arrive by March 25 to Arnold Community Council, ATTN: AEDC Fellows Committee, P. O. Box 553, Tullahoma, TN 37388-0553.

AEDC quarterly award winners announced



2nd Lt. Karlie Madden
Company Grade Officer of
the Quarter



Tech. Sgt. Shara Jackson
Non-Commissioned
Officer of the Quarter



Capt. Paul Malone
Honor Guard of the
Quarter



Beau Campbell
Civilian of the Quarter
Administrative



Adam Fanning
Civilian of the Quarter
Scientist/Engineer



Melissa Tate
William M. Dunne
People's Choice Award

Photo unavailable for: **Master Sgt. Rodney Clemmons** – Senior Non-Commissioned Officer of the Quarter

NEW PARTNERS from page 1

The C-5M Super Galaxy undergoes extreme heat and ultraviolet exposure during the Re-engining and Reliability Program at the McKinley Climatic Laboratory in 2007. The McKinley Climatic Laboratory is an AEDC facility located at Eglin Air Force Base, Florida. (U.S. Air Force photo/Greg Murry)

launchers, shelters, engines, automobiles and tire manufacturers.

The Climatic Laboratory has five testing chambers which include the Main Chamber; the Equipment Test Chamber; the Sun, Wind, Rain and Dust Chamber; the Salt Fog Chamber; and the Altitude Chamber.

The Main Chamber (MC) is the largest environmental chamber in the world. At approximately 252 feet wide, 260 feet deep and 70 feet high, tests have consisted of large items and systems for aircraft such as the B-2 Bomber and the C-5 Galaxy. The temperatures achieved in the chamber range between -65 degrees Fahrenheit to 165 degrees Fahrenheit with a simula-



tion of all climatic conditions including heat, snow, rain, wind, sand and dust.

The Equipment Test Chamber is 130 feet long, 30 feet wide and 25 feet high. Although it is smaller, it has the same capabilities of the MC. Tests usually consist of jet engines, small vehicles and turbine-driven ground power units.

The Sun, Wind, Rain and Dust Chamber pro-

duces ambient or hot test conditions. Wind-blown rain at rates up to 25 inches per hour and heavy sand and dust storms can also be created in this chamber.

Because of the corrosive properties of salt fog test conditions, the Salt Fog Chamber was designed to provide an ambient test chamber that is away from other test chambers. The chamber

has two steam-fed heat exchangers that create the temperature to perform the salt fog test. The chamber is approximately 55 feet long, 16 feet wide and 16 feet high. The chamber doesn't have refrigeration capability.

The Altitude Chamber can create pressure altitudes as high as 80,000 feet with a temperature capability of -80 degrees Fahrenheit to 140 degrees Fahrenheit. The chamber measures 13 by 9 feet and 6 feet high.

Hypersonic Combined Test Force at Edwards AFB

Since the 1950s, the Hypersonic Combined Test Force has operated at Edwards Air Force Base, testing the boundaries of speed.

The AEDC unit has been involved in the test-



Ground crew members of the Hypersonic Combined Test Force make the final checks to the X-51A Waverider scramjet, which is affixed to an Edwards Air Force Base B-52H Stratofortress before being flown over the Pacific Ocean and launched June 13, 2011. The Hypersonic CTF is a unit of AEDC. (Photo by Bob Ferguson/Boeing)

ing of cutting-edge, high-speed aircraft, including the renowned X-15 program during the 1960s and, most recently, the X-51 WaveRider.

The X-51 unmanned scramjet aircraft's maiden flight was completed on May 26, 2010. The aircraft remained under powered flight for over 200 seconds at a top speed of Mach 5.

The CTF also supports space-oriented projects,

such as the X-38 Crew Return Vehicle, or CRV, in the early 2000s. The X-38 project was a series of five prototype research vehicles developing technology to build and operate a space station CRV. The wingless CRV, when operational, would have been the first reusable human spacecraft to be built in more than two decades.

Some of the unit's projects are research and development oriented, and teams may spend five to seven years working on a project for one or two test flights.

Maj. Dick Wong, director of the Hypersonic CTF, said "Because of the research and development mission of the Hypersonic CTF, the collection and analysis of flight test data – and feeding them back into our models and simulations – is paramount."

CTF partners closely with entities such as NASA, the Air Force Research Laboratory and the Defense Advanced Research Projects Agency.

Information for this news release was taken from a story written by Christopher Ball, 412th Test Wing Public Affairs.

James bids farewell as SecAF

By Tech. Sgt. Robert Barnett
Secretary of the Air Force
Public Affairs

WASHINGTON (AFNS) – The men and women of the Air Force bid farewell to the 23rd Secretary of the Air Force Deborah Lee James during a ceremony at Joint Base Andrews, Maryland, Jan. 11.

James led the Air Force for more than three years after being confirmed in December 2013.

“Because of your leadership, the United States Air Force is better prepared to fly, fight and win than at any time in history,” said Secretary of Defense Ash Carter. “Thank you, Debbie James, for your service to this country, for your commitment to our Airmen, to their families, and to the joint force. We’re safer today because of you.”

Chief of Staff Gen. David L. Goldfein spoke about the impact James tenure left on the service.

“You’ve inspired us, you took care of us, and you led us well,” Goldfein said. “It is now my distinct honor as the 21st chief of staff, on behalf of a grateful nation, and your 660,000 active, Guard and Reserve Airmen, to report that you have completed your obligation to support and defend the constitution against all enemies, foreign and domestic. That you bore true faith and allegiance to the same, and that you well and faithfully discharged your duties of the Office of Secretary of the Air Force.”

During the ceremony, James was presented with the Distinguished Public Service Award by Carter. Her husband, Frank Beatty, was presented with an Air Force award for exceptional public service from Goldfein.

“When I took this job ... I knew it would be the honor of my professional lifetime,” she said. “I did not fully understand, at the time, what an absolute joy it would be and how much I would learn from all of you.”

In her remarks, James shared four stories of Airmen, who she said touched her heart.

Two weeks after James was confirmed, she received a call informing her of a convoy hit by an improvised explosive device near Kabul, Afghanistan. Ten people were killed. Among them was Capt. David Lyon, who had been in the Air Force for five years. He was a logistics specialist, executive officer for his group commander, athlete and volunteer coach for the U.S. Air Force Academy track team, she said.

James attended his dignified transfer where she met his widow, Capt. Dana Lyon, who was also stationed in Afghanistan. The couple had spent Christmas together two days prior to his death.

“In the midst of unspeakable grief, Dana taught me about how much we ask of people,” the secretary explained.

Today, she is Maj. Dana Lyon, assistant strength and conditioning coach at the Air Force

Academy – an active mentor in her own right, James declared.

Within days of the call about Capt. Lyon, drug use and cheating on proficiency exams was discovered at Malmstrom Air Force Base, Montana. James joined Gen. Mark Welsh, then chief of staff of the Air Force, as they investigated the situation.

They were joined by then Maj. Gen. Jack Weinstein, the 20th Air Force commander. James shared that Weinstein explained the dynamics of the nuclear enterprise, including how Air Force leaders spoke of nuclear as number one, “but no one put their money where their mouth was,” she said.

“He is still the fiercest advocate for our missileers, security forces, and all the other Airmen who represent our nuclear enterprise,” she proclaimed. James then went on to describe Tech. Sgt. Brian Williams, “one of the bravest, most dedicated people I have ever met.”

Williams met the secretary when he was competing as a member of the Air Force Wounded Warrior Program. A 16-year veteran, he served in security forces where he deployed six times, including to Afghanistan. He was injured from an IED explosion, losing his left leg above the knee.

It was a difficult recovery, she said. The Air Force wanted to medically retire him, but he refused, wanting to continue serving. At the time, the service was starting to allow more exemptions for wounded warriors.

“I was the one who signed the paperwork that allowed him to stay in the Air Force,” James said proudly. “It is an honor to serve with Airmen like Tech. Sgt. [Mas-



Secretary of the Air Force Deborah Lee James waves to attendees during her farewell ceremony at Joint Base Andrews, Md., Jan. 11. James took office as the 23rd secretary of the Air Force in December 2013. (U.S. Air Force photo/Scott M. Ash)

ter Sgt. select] Brian Williams.”

The secretary then highlighted retired Col. Charles McGee and the Tuskegee Airmen who “grew up in a time when ‘separate but equal’ was the law of the land.”

The Tuskegee Airmen proved to be exceptional flyers, maintainers, radio operators and support personnel, demonstrating that the Air Force core value of excellence in all we do, has nothing to do with the color of an Airman’s skin, she said.

Finally, she shared that as an American, she will be secure in the knowledge that the Air Force is protecting her family, friends and country 24 hours a day, 365 days a year.

“I will never ever cease being a member of the Air Force family,” she said. “I will always remain an advocate for Airmen and the Air Force.”



Lt. Col. Peter Tritsch, the U.S. Air Force Honor Guard commander, leads Secretary of the Air Force Deborah Lee James into her farewell ceremony at Joint Base Andrews, Md., Jan. 11. James took office as the 23rd secretary of the Air Force in December 2013. (U.S. Air Force photo/Tech. Sgt. Joshua L. DeMotts)

Ready to quit smoking?

CHPS offers tobacco cessation program

By Air Force Materiel Command Health & Wellness Team

WRIGHT-PATTERSON AIR FORCE BASE, Ohio – There has never been a better time to quit tobacco. Civilian Health Promotion Services is now offering a new tobacco cessation program to help individuals who are ready to quit smoking.

According to the Centers for Disease Control and Prevention, cigarette smoking is the leading cause of preventable disease and death in the United States, accounting for more than 480,000 deaths every year, or one of every five deaths. Tobacco users who quit greatly reduce their risk for disease and premature death, improve their health and quality of life, and increase their life expectancy.

The CHPS tobacco cessation program is free for participants. Program components

include:

- Attending the CHPS class on Introduction to Tobacco Cessation
 - Learn about tobacco cessation counseling services through the Employee Assistance Program
 - Awareness of tobacco cessation benefits through the Federal Employees Health Benefits Program. All FEHB plans offer 100% coverage of tobacco cessation treatment options.
 - Signing-up for a telephonic counseling session
 - Options available for four weeks of Nicotine Replacement Therapy
- For more information, visit www.AFMC-wellness.com.



(U.S. Air Force graphic)

Castaway Airman helped map the world

By John Turner
341st Missile Wing
Public Affairs

MALMSTROM AIR FORCE BASE, Mont. (AFNS) – (This feature is part of the “Through Airmen’s Eyes” series. These stories focus on individual Airmen, highlighting their Air Force story.)

For six months in 1956 Bob Cunningham, a former Air Force radar operator, lived on a remote knob approximately 2,000 feet long and 850 feet wide in the Spratly Islands group located midway between the Philippine Islands and Vietnam. His home was a canvas tent and he manned radio and radar equipment for a secret Air Force project mapping the earth.

Cunningham’s first duty station was a tiny, oblong blister of land in the South China Sea. He knows it as North Danger Island.

The mission was an aerial electronic geodetic survey. Specially equipped aircraft flew grid patterns and triangulated electromagnetic pulses sent between temporary ground stations hundreds of miles apart. The data, computed into highly accurate coordinates, would eventually provide targeting information for intercontinental ballistic missile development.

It was a ‘million dollar experience’ that he wouldn’t give two cents to repeat, Cunningham said jokingly.

Cunningham’s four-

man team and all their equipment was brought in by helicopter to the island from the deck of a Landing Ship Tank, along with the drinking water, fuel and rations the men would need to survive. Resupply occurred every four to six weeks by helicopter, supplemented by occasional parachute drops. A radio relay team of six Airmen had already established itself on the island and shared the same copse of trees.

“I was 22 years old. I was the kid on the island so it was a real experience,” Cunningham said. “I didn’t have a lot of sophistication psychologically, and that was a real psychological test for human beings, to be going like that.”

He was an Airman 2nd Class, with just over a year of service in the Air Force and some college education. His sergeants had seen combat during World War II and were wise to what the isolated team would endure. Their ingenuity, humor and direct leadership kept young Cunningham and the others on the island from mentally cracking.

To keep a low profile, the Airmen were ordered to stow their uniforms and wear civilian shorts and sneakers, sandals and cowboy hats instead. The men also kept their pistols and M-1 Garand rifles ready, knowing that pirates and other possible threats roamed the waters surrounding them.

“The Chinese nationalists came by with a gunboat. A big, long vessel,” Cunningham said. “And they had this big 3-inch cannon on the front on a turret, and they swung that baby in toward our island, and they had some machine gun turrets, and pretty soon we saw boats come over the edge and some officers got on that and they came in to see who we were and what we were doing.”

The Airmen placed palm fronds along the beach to spell out U-S-A-F. The gunboat crew was satisfied and the standoff ended.

On another occasion, Okinawan fishermen came ashore to trade their fish for drinking water.

“They saw our 50-foot antenna that we put up for our radar set, our pulse radio, and so they were cu-



Bob Cunningham points to the camp on ‘North Danger Island’ where he lived and worked as a radar operator for six months in 1956 during an Air Force project mapping the Earth. His team was resupplied with food, water, medicine, parts and mail every four to six weeks at the remote location in the South China Sea. Cunningham visited the Malmstrom Air Force Base museum Dec. 22, 2016, and showed photographs he took during his tour of duty on the island. (U.S. Air Force photo/John Turner)

rious,” Cunningham said. “They came onboard and they were quite friendly.”

But visitors were the exception. Day after day, interaction was limited to within the tiny community of Airmen.

The veteran sergeants kept up morale in other ways. They improved the camp with funny signs, handmade furniture and a wind-driven water pump. They cooked sea turtles for the men, and they improvised a way to make alcohol from coconut juice and cake mix.

For recreation, Cunningham would walk around the island and photograph the thousands of birds it attracted. He also tried diving off the reef once and became terrified by the absolute darkness.

“I opened up my eyes and it scared the bejeebers out of me,” he said. “It was total black. I couldn’t see anything. I got so danged

scared, I came up and I got off and I got back to that reef and I never went back again.”

In the final month, he and the sergeant were the only humans left on the island. Two members of his team were evacuated. The radio relay team was relocated, taking their noisy generator with them. For the two men remaining, the silence at night was now ‘spooky’ – a lone coconut dropping from a tree was enough to send them scrambling for their weapons.

Cunningham said his experience on the reef forever changed how he relates to other people.

“I have an expression,” he said. “‘This guy sounds like a North Danger kind of guy,’ meaning somebody compatible, smart, you can get along with him, he’s got a good temper. Or this guy, I would not want to be with him on North Danger.”

2017 January

Friday's at Arnold Lakeside Center...



Grab an entry in all Services facilities by showing your current club card! Must be present to win! One entry per Club Card per facility per day.



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1 Happy New Year!!!	2 Friends and family coming to town? Wingo Inn welcomes both military and civilians, friends and family to be our guests! 454-3051	3	4	5 ALC Closed	6	7
8 	9	10	11	12 Café 100 National Chicken Day Special \$7 Sand Combo, \$5.50 Sand Finding Dory PG 6:30 PM @ALC Free Family Movie Night!	13 Dine at the ALC! 5-9pm	14
15	16 Martin Luther King Jr. Day Barber Shop & Café 100 Closed Fitness Center open 8am-4pm	17	18	19 Storks PG 6:30 PM @ALC Brushes & Bottles Arnold Lakeside Center 6 PM Register by Jan. 13 Call 931-454-3350 \$25 per person Free Family Movie Night!	20 Dine at the ALC! 5-9pm	21 Winter Hiking Series 1-5pm Stone Door Trail Easy 2 mi trail Ages 7+ Call 931-454-6084 to register! \$8
22	23	24 Café 100 Celebrates National PB Day! Get a free cookie with lunch combo!	25	26 FAMILY GAME NIGHT ALC 5:30-8:30 pm Free to play board games, food for purchase. Prizes for winners. Call 454-3350 for info.	27 6 pm @ALC TRIVIA NIGHT Dine at the ALC! 5-9pm	28 ICE SKATING WITH ODR 1pm \$15 Nashville, TN Transportation Provided, Ages 10+ 931-454-6084

Do you have New Year's fitness goals?

Call the Fitness Center to make your appointment for your free custom fitness orientation. Our certified staff will work with you to design a plan to help you reach your goals and answer any of your fitness questions.
Let's get started on your path to resiliency with physical wellness!



ALC – Arnold Lakeside Center, 454-3350
Café – Café 100, A&E, 454-5885
ODR/ITT – Outdoor Recreation, 454-6084
RRRP – Recycling, 454-6068
Marketing/Sponsorship – 454-3128
Barber Shop – 454-6987

GC – Arnold Golf Course, 454-GOLF
MG – Mulligan's Grill, GC, 454-FOOD
FC – Fitness Center, 454-6440
WI – Wingo Inn, lodging, 454-3051
Resource Management – 454-7425
Admin – 454-7779

Information subject to change. Please call to verify.
See the February calendar on page 11.

AF looks to ensure cyber resiliency in weapons systems through new office

By Patty Welsh
66th Air Base Group
Public Affairs

HANSCOM AIR FORCE BASE, Mass. (AFNS) – The Air Force, through its Life Cycle Management Center, has stood up the Cyber Resiliency Office for Weapons Systems (CROWS).

Although the office's primary operating location and senior leadership will be at Hanscom Air Force Base, contributing staff will come from various Air Force organizations and geographic locations. It will focus on integrating activities across the Air Force to ensure weapon systems maintain mission-effective capabilities, despite cyber adversities. It reached initial operating capability Dec. 21, 2016.

"The Air Force's ability to fly, fight and win in air, space and cyberspace is threatened by increasing competent adversaries in the cyberspace domain," said Dennis Miller, the CROWS director, who also serves as Hanscom AFB's engineering and technical management associate director. "The cyber threat is more than just network intrusion or traditional malware – it also affects our weapon systems and presents a clear and present danger to successful mission assurance."

Weapon systems have real-time constraints and

complexities coupled with differing sustainment strategies which means the same security management practices that are used for traditional information technology systems require tailoring and adaptation to be effective and efficient in a weapon system environment.

Miller said the CROWS will focus on integration across Air Force communities to acquire, field, operate and sustain increased cyber-resilient weapon systems. It will also work to integrate activities in the Air Force Cyber Campaign Plan (CCP) focused on multiple strategic vectors.

According to Daniel Holtzman, the Air Force cyber technical director, achieving the intended mission assurance in a cyber-contested environment involves a complex combination of individual systems acquisition, including design and development; operational concerns encompassing planning and execution; and systems sustainment including maintenance and training.

In addition, when vulnerabilities, external factors and adversary tactics are combined, they create a set of complex interdependencies that must be worked in a holistic and integrated manner to reduce risk, Holtzman said.

"To effectively and efficiently combat the cyber threat, we must horizon-

tally integrate within and across our weapon systems, working together across our Air Force and partnership communities to securely design and operate systems, conduct missions and sustain capabilities," he said. "We must educate and train our Air Force communities to be vigilant of the cyber risk at all times."

Some of the ongoing work the CROWS will provide is integrated program management and execution oversight for the lines of action of the CCP including: conducting mission-level cyber risk analysis, integrating cyber into systems engineering, enhancing adaptability and agility via modular design and approaches, developing a cyber-savvy workforce, increasing assurance in fielded systems in a cost effective and efficient manner, increasing the integration of cyber intelligence and enabling cyber operation flights and cyber protection teams.

As part of the Air Force Cyber Campaign Plan, a senior-level steering group was also formed. The Cyber Resiliency Steering Group, is chaired by Jeff Stanley, the associate deputy assistant secretary (science, technology and engineering), Office of the Assistant Secretary of the Air Force for Acquisition. The group will provide strategic guidance and cross Air Force integration.

Falcon 9 launches from Vandenberg AFB

By Staff Sgt. Shane Phipps
30th Space Wing Public Affairs

VANDENBERG AIR FORCE BASE, Calif. (AFNS) – Members of Vandenberg Air Force Base, alongside SpaceX and Iridium partners, recently launched the Iridium NEXT satellite on a SpaceX Falcon 9 rocket from Space Launch Complex-4, Jan. 14.

Iridium NEXT will replace the world's largest commercial satellite network of low-Earth orbit satellites in what will be one of the largest "tech upgrades" in history. With multiple organizations working toward the same goal of mission success, strong working relationships among organizations are paramount.

"The strong relationship that SpaceX has with the Air Force is incredibly important to shared mission success," said Lars Hoffman, the SpaceX senior director of government sales. "The SpaceX team is made stronger by our partnership with the Air Force. As one of two launch providers certified by the Air Force for national security space missions, SpaceX is greatly appreciative of the confidence that the Air Force has placed in us to support efforts to deliver critical national security payloads to space, and our strong partnership is essential in doing so."

Vandenberg Airmen agreed fostering strong relationships with all partners, including SpaceX, is critical in the launch business.

"SpaceX is a valued partner and we look forward to their continued success moving forward,

beginning with this successful launch," said Lt. Col. Jarod Martin, the 1st Air and Space Test Squadron commander.

Col. J. Christopher Moss, the 30th Space Wing commander, acted as the launch decision authority and the Air Force supported and enabled the launch from start to finish.

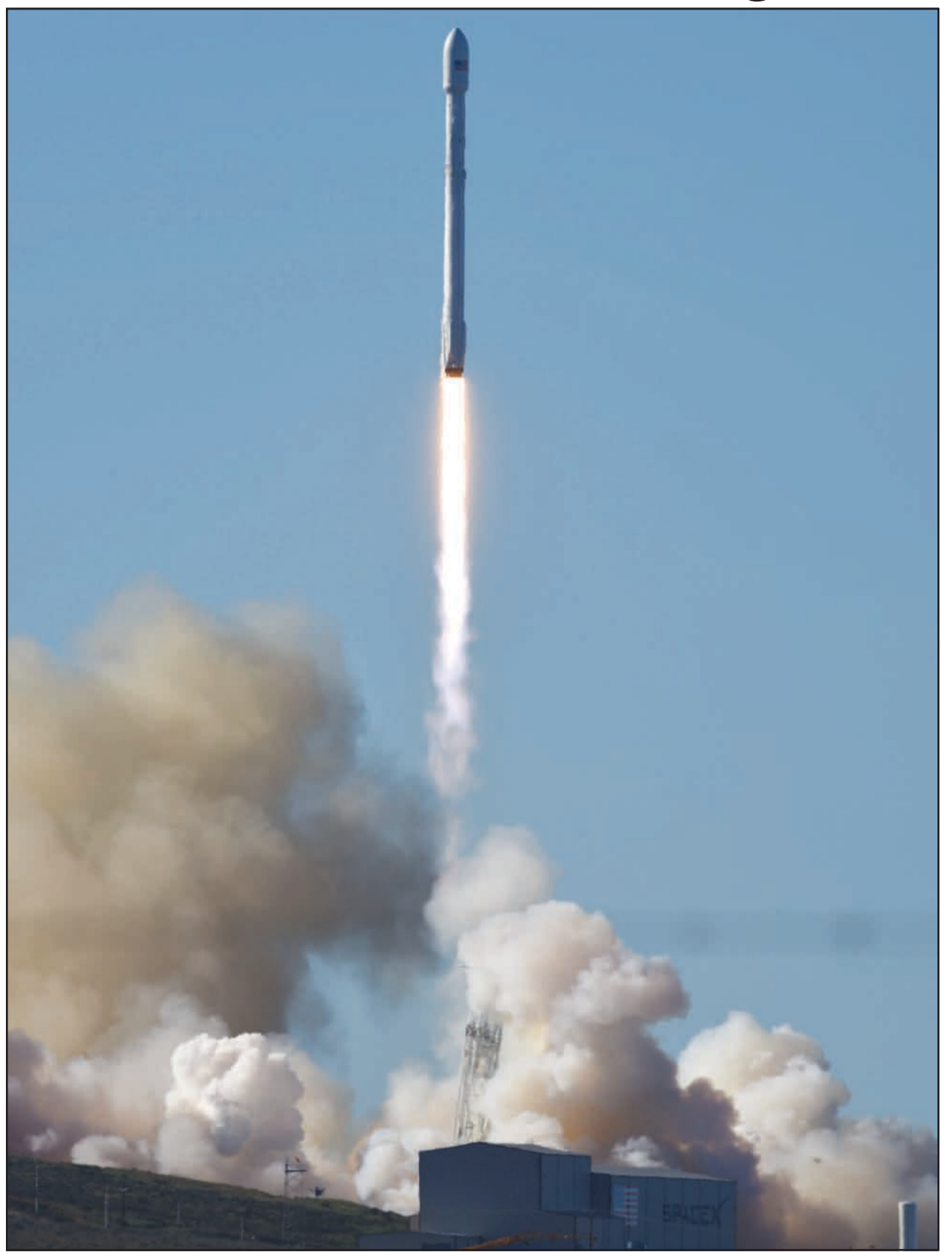
"From launch scheduling to range support, SpaceX works closely with the Air Force on preparations for the execution of every mission," Hoffman said. "The Air Force also performs fleet surveillance as part of SpaceX's (Evolved Expendable Launch Vehicle) certification."

Working closely with SpaceX during preparation of the launch, Vandenberg's 1st ASTS Airmen witnessed SpaceX personnel's dedication and determination firsthand.

"The tireless efforts of SpaceX culminated in a successful static fire on Jan. 5, demonstrating the F9-30 rocket's ability to put the Iridium-1 payload into orbit," said Capt. Nathan Snow, the 1st ASTS mission integrator for SpaceX. "The 1st ASTS launch team was highly motivated to support this launch."

Iridium has partnered with Thales Alenia Space for the manufacturing, assembly and testing of 81 Iridium NEXT satellites, at least 70 of which will be launched by SpaceX. The process of replacing the satellites one by one in a constellation of this size and scale has never been completed before.

"All launches are important to SpaceX," Hoffman said. "The payloads for this return-to-flight launch are the first 10 of at least 70 Iridium NEXT



An Iridium NEXT satellite onboard a SpaceX Falcon 9 rocket launches from Space Launch Complex-4, Jan. 14 at Vandenberg Air Force Base, Calif. Iridium NEXT will replace the world's largest commercial satellite network of low-Earth orbit satellites in what will be one of the largest "tech upgrades" in history. (U.S. Air Force photo/Senior Airman Ian Dudley)

satellites that SpaceX will be launching for Iridium's next generation global satellite constellation by early 2018. As the world's only global satellite constellation reliably covering 100

percent of the Earth's surface, the implementation of the Iridium NEXT satel-

lites will mark a significant achievement in mobile satellite communications, and

SpaceX is looking forward to helping make it happen."



A SpaceX Falcon 9 rocket with an Iridium NEXT satellite launches from Space Launch Complex-4, Jan. 14 at Vandenberg Air Force Base Calif. Iridium NEXT will replace the world's largest commercial satellite network of low-Earth orbit satellites in what will be one of the largest "tech upgrades" in history. (U.S. Air Force photo/Michael Peterson)

AEDC Woman's Club announces Feb. 2 meeting

By Barbara McGuire
AEDC Woman's Club

The AEDC Woman's Club will hold a meeting Feb. 2 at the Arnold Lakeside Center, or ALC, showcasing fashions from a local business.

Table donations collected at the meeting will go to The Blue Monarch.

The social hour of the meeting starts at 9:30 a.m., with the business meeting and program beginning at 10 a.m.

Reservations must be made no later than noon Jan. 26 and are required to gain access to the ALC. Make reservations by calling (931) 393-2552 or (931) 636-4152.

The February 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 member.

During the Jan. 5 meeting, Jane Lovett, co-owner of Falls Mill, spoke to the Club about the history of the mill. The AEDCWC members tasted cheese grits that are served at the mill bed and breakfast. They also learned how the water from the creek is used to operate the mill.

Table donations from the January meeting went to The United Way of Tullahoma.

For information about the AEDCWC call 455-3569.

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



Jane Lovett (center), co-owner of Falls Mill, spins yarn while presenting information about the mill at the AEDC Woman's Club meeting Jan. 5 at the Arnold Lakeside Center. Pictured with Lovett are AEDCWC members Kate Canady, left, and Anne Wonder. (Courtesy photo)

New Year, new you: Take control of your own health

By J.D. Levite
Air Force Surgeon General Public Affairs

FALLS CHURCH, Va. (AFNS) – A new year can mean new opportunities, new discoveries and maybe a few new goals. While the New Year's Resolution is a common tradition, many of them get abandoned long before the new year is gone again. Setting goals for a healthier you is something everyone can do, if you do it right.

"Probably the most important thing is setting goals you can achieve," said Col. Thomas Moore, chief of Health Promotion. "Losing five pounds? It's a start. You can do that and build on it. Even small changes in weight can have an impact on improving health."

Setting small, manageable goals, gives you a chance to analyze how you got there.

Moore said, "Once you hit that goal, it might be good to take a step back

and say, 'What did I do right?' Was it because I was eating healthier stuff like fruits and vegetables? Move on that. Build on your successes."

The Air Force Medical Service is setup to provide many resources for helping people achieve their goals during the new year.

"The Health Promotion office can help with tobacco cessation. Many, not all, have a dietician who can either offer weight loss classes or possibly one-on-one counselling. If you don't want to go the health promotion route, next time you're seeing your doctor, talk about your goals with them," said Moore.

This new year will also be a great chance to change how Airmen approach their own healthcare, too, as the AFMS tries to get people more engaged during their medical visits.

"I would recommend Airmen and their families resolve to be more active partners in their care," said Col. John Oh,

chief of Preventive Medicine. "We know care is safer when we have an effective partnership between the healthcare team and the patients. That's the kind of the cultural change we're trying to promote. The more patients understand about their conditions, their medications, their options - the more empowered they feel."

Oh and his team created the online Patient and Family Engagement Toolkit just for that reason, to provide specific ways to get patients and their families more involved in their own care. He said their goal is to make care safer and more effective.

"Healthcare is changing," Oh said. "The amount of information freely available to patients and family members is a paradigm shift. We want patients to feel more comfortable asking questions and getting involved in their care to the extent they are comfortable."

Moore said the new year is as good a time as any to achieve some new healthier goals.

"Have a conversation with yourself about what you want to focus on. Maybe it's important to focus on one small area, like losing weight or giving up smoking," Moore said. "These things can have a negative impact on Airmen performance, whether direct job performance or the ability to bounce back from a setback. The fitter you are, the fewer of those unhealthy behaviors you engage in, the better you'll respond."

One tool to use to set those goals is Comprehensive Airman Fitness, which is one of many ways Airmen can achieve balance in several aspects of their life. Each of the four areas – Mental, Physical, Social, and Spiritual – need attention throughout the year if you truly want to grow. Start now with a simple New Year's Resolution and continue to try new things as 2017 unfolds.

ARNOLD AFB

COMMISSARY

Color-coded Nutrition Shelf Tags Debut

Just in time to help with New Year's health goals, commissaries worldwide will introduce a dietician approved nutrition guide program in January.

The color-coded shelf tags will make it easy for customers to spot products with one or more of five nutritional attributes: low sodium, low fat, whole grain, no-added sugar and a good source of fiber.

Organic

Whole Grain

Low Fat

Good Source of Fiber

2390 00003149377639

A "thumbs up" on the shelf tag means the product is nutrient dense.

Are you ready for the Super Bowl?

We are!

Come in and stock up on everything you need to make your Super Bowl Party "THE PARTY"

Kraft Cheese | Cheese Puffs | Beef Jerky | Condiments | Peanuts | Mt. Dew | Tortillas | Chips | Pepsi | Salsa | Chili | Cups | Plates | Popcorn (Team Specific) | Monster Energy Drinks

Have you gotten that special someone a gift? We have small 4 Piece Chocolate Gift Hearts ranging all the way up to 88 Piece Chocolate Gift Boxes as well.

Valentine's Candy is here!

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SUN & MON **Closed**

TUE 9AM - 5:30PM

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Patrick.Jourdan@deca.mil

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2017 February

Sunday Monday Tuesday






Information subject to change. Please call to verify.

Wednesday

Thursday

Friday

Saturday

1 Lunch on the Lake BBQ Buffet 11am-1:30pm ALC \$8.50 M \$9.50 NM			2 ALC Free Family Movie Night 6pm "Pete's Dragon" PG			3 Café 100 National Soup Day Special: Bowl \$2.75 Jam Night moved to Feb 17			4 ODR Winter Hiking Series Buggy Top Trail + Sewanee Natural Bridge \$8 1-5pm Moderate 4mi					
5 6 7 			8 Lunch on the Lake Italian Buffet 11am-1:30pm ALC \$8.50 M \$9.50 NM Fitness Challenge ALL DAY Men/Women Top prizes			9 Café 100 National Pizza Day Special: 1 Top. \$1.75 Works \$3 per slice crafts n things \$30 Mixed Media Collage register by Feb 3 454-3350			10  Valentine Dinner for Two Feb. 10th, 5:30 PM Arnold Lakeside Center RSVP by Feb 3, 454-3350 Prime Rib, Live Music and More! \$30 M Couple \$40 NM Couple					
12 ODR Winter Hiking Series Cumberland Trail \$8 1-5pm Moderate 4.5mi			13 14 			15 Lunch on the Lake Healthy Homestyle Buffet 11am-1:30pm ALC \$8.50 M \$9.50 NM			16 Café 100 National Almond Day Special: Venti Almond Latte \$3.50 ALC Free Family Movie Night 6pm "Trolls" PG			17  Jam Night: Unplugged 6pm ALC		
19  20 Registration is now open for Rock-It Run! Go online to itsyourrace.com to register!			22 Lunch on the Lake Meatloaf + Sides Buffet 11am-1:30pm ALC \$8.50 M \$9.50 NM			23 Café 100 National Chili Day Special. Bowl \$3.25			24 No Trivia			25 ODR Winter Hiking Series Greenway Farm Park \$8 1-5pm Easy 3mi		
26 27 28			28			28			28			28		

Must be 21 & older
ID Required

ALC – Arnold Lakeside Center, 454-3350
Café – Café 100, A&E, 454-5885
ODR/ITT – Outdoor Recreation, 454-6084
RRRP – Recycling, 454-6068
Marketing/Sponsorship – 454-3128
Barber Shop – 454-6987

GC – Arnold Golf Course, 454-GOLF
MG – Mulligan's Grill, GC, 454-FOOD
FC – Fitness Center, 454-6440
WI – Wingo Inn, lodging, 454-3051
Resource Management – 454-7425
Admin – 454-7779

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Arnold AFB Services 



See the January calendar on page 8.



Mardi Gras Casino Night
Attendees must be 21 and older. ID Required.
Free Gaming: 6-9pm
Blackjack, Roulette, Craps, Poker, & Prize Wheel.
Dining: 6-8pm
Club Members eat free, non-members \$10
Jambalaya, Seafood Gumbo, Red Beans and Rice,
King Cake, Specialty Drinks, and more!
Blind Auction: 9pm
Use your fake winnings to bid on prizes!
Live Band: 7-10pm
The Gatsby Gang Jazz Band will get us in the Mardi Gras spirit!
Arnold Lakeside Center
24 February @ 6pm
Call for more information 931.454.5915.   

