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Celebrating 70 years of supersonic flight

Nov. 10, 2017

BAF team readying for future B-2 stealth bomber testing

By Kenji Thuloweit 412th Test Wing Public Affairs

Last November, a B-2 Spirit entered the Benefield Anechoic Facility for the first time. Photos released by the Air Force this week show the stealth bomber being backed into the BAF to undergo environmental control systems checks. According to staff members, the BAF team spent a year preparing for and installing new equipment for the B-2's maiden entrance into the anechoic chamber. The BAF plans to host the B-2 for future electronic warfare testing.

The BAF, operated by the 772nd Test Squadron, is the largest anechoic chamber in the world and can fit almost any airplane inside. It provides a signal-free space so electronic warfare tests can be conducted without radio frequency interference from the outside world.

Completed in July 1989, the BAF continuously conducts electronic warfare testing on all types of aircraft, from U.S. Air Force aircraft to allied nations air-



A B-2 Spirit bomber sits in the Benefield Anechoic Facility Nov. 28, 2016, preparing to undergo environmental control systems checks. The Air Force released photos this week of the stealth bomber's first time in the BAF. (U.S. Air Force photo by Christian Turner)

craft. The chamber is filled with polyurethane and polyethylene pyramids — radar absorbing material — designed to stop reflections of electromagnetic waves. The size of the pyramids, which are painted dark blue or black, varies depending on the particular frequency and test procedure being conducted. Aircraft systems can be tested and verified that they work properly prior to actual flight test.

Rocket Lab ops uninterrupted by essential CE work



A crane lifts away an old cooling tower at Air Force Research Laboratory's Rocket Propulsion Division's chemical laboratory earlier this year. The 412th Civil Engineer Squadron recently completed a seven-month project replacing two cooling towers and a 40-ton condensing unit at the Rocket Lab. (Courtesy

By Kenji Thuloweit

412th Test Wing Public Affairs

Realizing the criticality of Air Force Research Laboratory's Rocket Propulsion Division's mission at Edwards, the 412th Civil Engineer Squadron Infrastructure Flight and Heavy Re-

pair Flight teamed up to replace two obsolete cooling towers and one 40-ton condensing unit.

The Rocket Lab's chemical laboratory requires chilled water to provide cooling to the lab where temperature and air pressure are critical to life, safety and maintaining required test conditions.

The 412th CES' Heating, Ventilation and Air Conditioning and Pavement Elements replaced the cooling towers used by the 400-ton centrifugal chiller plant. According to the 412th CES, at more than 25 years old, the cooling towers and condensing unit were no longer serviceable.

"One of two cooling tower units had already failed and the other could fail at any time," said Murray Westley, 412th CES director. "If the second unit would have failed, this would have caused complete loss of AFRL's chemical laboratory function. Additionally, the 40-ton condensing unit was also unserviceable and was a maintenance nightmare."

Westley said HVAC crews led by Michael Mundy and Matthew O'Carroll designed, planned and installed the two new cooling towers and 40-ton condensing unit without hindering the Rocket Lab's mission. With the help of 412th CES' Pavement Element's heavy equipment shop, the team removed the old cooling towers in stages to allow for one tower to always be in service. See AFRL, page 3

You don't have to be a 'newcomer' to get base info

By Kenji Thuloweit

412th Test Wing Public Affairs

Each month, the 412th Force Support Squadron holds its Newcomer's Orientation Briefing at the Airman and Family Readiness Center. New arrivals to the high desert receive basic information about Edwards AFB facilities and services. To make things more personable, and possibly fun, the AFRC invited two dozen agencies to set up tables and hand out free gifts at the latest briefing Nov. 2.

The AFRC staff expanded the "information fair" to a monthly event to coincide with the newcomer's brief.

"The information fair lets everyone meet face-to-face and the personal interaction has benefitted the organizations with new members and volunteers," said Maria Chapa, 412th Force Support Squadron Family Readiness. "So far we have 25 agencies and organizations from base with information for our newcomers."

The participating agencies include APET (Adopt-a-Pet) for



Many participants at the Newcomer's Orientation Briefing information fair Nov. 2 handed out free gifts as a way to welcome those new to Edwards AFB. (U.S. Air Force photo by Kenji Thuloweit)



A member the 412th Civil Engineer Group Environmental Management stands by her information booth, ready to answer questions, at the Airman and Family Readiness Center Nov. 2. Environmental Management was one of two dozen organizations invited to participate in an information fair put on by 412th Force Support Squadron Family Readiness during the monthly Newcomer's Orientation Briefing. (U.S. Air Force photo by Kenji Thuloweit)

those interested in finding a pet or possibly volunteering; Environmental Management, which showed off a non-poisonous snake and information on the local wildlife in the area; as well as the First Sergeants Association, Toastmasters and many others who brought free giveaways.

"Imagine if we included everyone who wanted to brief at newcomer's, we would have a 10-hour long brief," Chapa said. "It's been a labor of love since the first information fair and as it's grown from the initial 12 agencies, I've realized that our newcomers and agencies/organizations have enjoyed much more than I could have anticipated."

As a reminder, Chapa said people do not have to be new to Edwards to attend and encourages spouses who couldn't make their initial newcomer's briefing to stop by.

The next Newcomer's Orientation Briefing is scheduled for Dec. 7 with the information fair open from 9:30 a.m. to 10 a.m. in the AFRC's Looking Glass Room.



(U.S. Air Force file photo)

Pet vet info

The U.S. Army Veterinary Service provides comprehensive veterinary care to all government-owned animals, such as the 412th Security Forces Squadron's military working dogs, and to all service members' privately owned animals through the Veterinary Treatment Facility. The service is also in charge of coordinating food safety missions at the China Lake Naval Air Weapons Station and performing sanitary audits on multiple commercial food production establishments.

The service also maintains a liaison with base officials and local veterinary professional organizations in order to provide assistance during civic emergencies.

The clinic is staffed 8:30 a.m. to 4 p.m., Monday through Friday; however, there are no appointments available on Thursdays due to training.

Appointments are available as the vet's schedule allows. The VTF offers appointments for vaccinations, sick call and routine surgery and dental procedures. It is highly recommended that pet owners maintain a relationship with an off-base veterinarian as a backup for those times when the military veterinarian will not be available to see pets. All service members' pets should be registered with the VTF within 72 hours of arrival on base. Questions? Call 275-2177.

412th Force Support Squadron upcoming events

Force Support Squadron 275-3826

2017 Air Force Art Contest is open Nov. 1-30. Participants will submit a photograph of their two-dimensional paintings or drawings on any subject. The art is accepted in oil, watercolor, acrylic, pastel, mixed media, gouache, egg tempera, pen and ink; or drawing media such as graphite, charcoal, colored pencils, scratch board, markers and metal point. Participants can enter up to two wholly original images of artwork. Learn more about the contest at www.myairForceLife.com.

Airman and Family Readiness 277-0723

Ultimate Scavenger Hunt — Celebrate the Month of the Military Family in November by stopping by the A&FRC to pick up the Ultimate Scavenger Hunt Guide filled with 30 days of activities and challenges to complete as a family. With each completion submitted, your family is eligible for one entry to win a goody-filled basket courtesy of the A&FRC. Open to all Team Edwards families.

Club Muroc 275-CLUB

Thanksgiving at the Club is Nov. 23. Seatins will be 11 a.m.-2 p.m. Kids under 6 are free. Reservations are required. Turkey, ham, mashed potatoes and gravy, sweet potatoes, corn, stuffing, mac and cheese, green bean casserole, baby carrots, deviled eggs, cranberry sauce, salad, rolls and assorted desserts and pies will be served. Make your reservations now.

Let Club Muroc Cook your Holiday Meal so you can enjoy time with friends and family. Twenty-pound turkey and 12-pound smoked, boneless ham available for purchase. Side servings for 20 servings and pies are also available. Orders need to be in by 4 p.m. Nov. 16 and must be picked up no later than 9 a.m. Nov. 24.

High Desert Lanes Bowling Center 275-BOWL

Thanksgiving 9 Pin No Tap Tournament is Nov. 18 at 3 p.m. Registration begins Nov. 1 1st-, 2nd- and 3rd-place cash prizes.

November Grill Special is grilled turkey and cheese sandwich on your choice of bread. Served with sweet potato fries, cranberry sauce, a slice of pumpkin or pecan pie, and a 16 ounce dripk

Family Package Fridays is from 2- 6 p.m. Price includes two hours of unlimited bowling, shoe rental, large one-topping pizza and a pitch-

Glow in the Dark Bowling is Friday and Saturday, 6 p.m.-midnight. Shoe rental included with price. Bowl as many games as you want. Don't miss out on all the fun at an affordable price and a fun atmosphere for the whole family.

Monday Night Red Pin Bowling goes from 3-7 p.m. Get a strike on the head red pin and receive a free game.

Football Frenzy — Watch up to six games at once on Sundays. Doors open at 9:45 a.m. Food

and drink specials available from 11 a.m.-7 p.m. and on Monday from 5-8 p.m. Plus, club members will have the chance to win weekly prizes.

Arts and Crafts Center/Auto Hobby 275-ARTS/AUTO

November Tire Balance Special — Get four tires balanced for the price of two. Does not include mounting.

Wine Tool Set Sale — All wine tool sets are 10% off if ordered in November. Please allow up to two weeks for processing. Great holiday gifts. Includes up to 200 characters and a graphic. Additional characters and graphics are not discounted.

Engraving Shop Email Change — The Engraving Shop's email address is: <u>servicesengraving412@gmail.com</u>.

Arts & Crafts Hours are Monday-Friday, 9 a.m.-5 p.m.

Towing service available through Auto Hobby Tuesday-Friday, 9 a.m.-5 p.m. Towing is available on-base and off-base. Call Auto Hobby for more information or prices.

Auto Hobby hours are Wednesday, 9 a.m.-6 p.m.; Thursday & Friday, 12 p.m.-8 p.m.; Saturday, 9 a.m.-5 p.m.; and Sunday, 12 p.m.-5 p.m. **Class Instructors Wanted** — Classes looking for instructors include stained glass, paper crafts, photography, kids classes and cake/cookie decorating. Call 275-ARTS now.

Library 275-BOOK

Storytime — Toddlers and preschool children are invited every Wednesday and Friday at 10 a.m. to enjoy a wonderful story and create very unique craft projects. Volunteer readers are welcome!

Special Story Time:

Native American Heritage: Nov. 17.

Thanksgiving: Nov. 22

New Mango Languages Online — This new option to learn more than 70 languages is being offered by Air Force Libraries and is available through the AF Portal. To create an account, select "Database and Online Resources" from the "Library & Resources" tab, then select "Educational Resources" where Mango Languages will be listed.

Education and Training 277-2713

Leadership Training Opportunities — Did you know that your Edwards Education and Training Center offers a variety of civilian leadership training programs to help civilian leaders in their day-to-day leadership paths? Examples of the courses that can be offered are: Leadership Gold, 360 Degree Leader and Leadership the Challenge. Please contact your Edwards Education and Training Center if any one of these courses are of interest to you.

National Test Center hours are Tuesday-Thursday from 8 a.m. until 2:30 p.m. only. To schedule an exam, or for additional information, please contact the AMU test examiner at 524-4431, or contact Education and Training. As always, the office is open for all your educational needs. As

For more information about 412th FSS offerings, visit

www.edwardsfss.com/wordpress

always, drop by the Ed Center for any questions.

Aero Club 275-AERO

Flight Instructors Needed!

Realize Your Dreams. Start Flying! — Join the thousands of men and women who made their dream a reality. Open to active duty military, DOD and NAF civilians, family members, Civil Air Patrol members, retired military, Guard and Reserve, and others by installation approval. Earn three months free Aero Club membership with your introductory flight. For more information visit myairforcelife.com/aeroclubs.



Adopt me!

Bender is a 2-year-old dachshund mix (maybe with a beagle). He's a sweet boy that does well with other dogs and is always ready to play. Bender is better as a one-person dog as he grows strongly attached to the one person he loves the most. He is completely vetted and waiting to go home with you today. Call APET at 258-9525 today!

Outdoor Recreation 275-CAMP

Need Ski or Snowboard Gear? Outdoor Rec has all of the equipment you need. Check out the Equipment Rental pricelist on ODR's page at www.edwardsfss.com or stop by ODR today! R4R Rush Air Sports Trampoline Parks is Nov. 18. Depart from ODR at 8 a.m. to Bakersfield, California. Register by Nov. 15. Join ODR for a fun-filled day of jumping, climbing, diving and much more. All participants must have a signed High Risk Activity form before signing up. R4R programs are open to active duty members and dependents only.

Paintball Field Now Open by reservation only. If you have any questions, call ODR at 275-2267. Overnight Camping at Branch Park — Low fee for a campsite suitable up to four people. Come and get a wilderness experience right here on base. This is a primitive campground with no potable water, telephones, electricity and no RVs. Numerous openings in RV Storage — Come over and park your equipment for our low prices and have access to them anytime you need.

Oasis Community Center 275-CNTR

Las Vegas Shuttle runs Friday-Sunday. Sign up the Thursday before. The shuttle is available Nov. 9-12 and Dec. 8-10. Friday departure is at 12 p.m. from the Oasis Community Center. Sunday departure is at 12 p.m. from Nellis Air Force Base's Air Force Inn. Call for shuttle price. This is an excellent opportunity to experience Las Vegas without the hassle of driving there.

Ocotillo ATV Riding Tour is Nov. 18, 7 a.m.-4 p.m. Sign up by Nov. 15. An experienced guide will take you for a two-hour ride on your choice of ATV (four-wheeler or dune buggy). Before being led back at the end of the day you will be given the option to go off on your own or continue with the guided tour.

Zumba is Monday, 11 a.m.-12 p.m. and 5 - 6 p.m. On Tuesdays, class is 4:30-5:30 p.m. For Wednesdays it is 11 a.m.-12 p.m. Discount for advanced purchase of 10 classes.

Family Child Care 275-4322

Family Child Care is seeking dedicated people who love working with children! If you live on-base and want to care for children in your home or you are a military dependent and live off-base, you may be eligible to be a licensed or affiliated provider! Make a positive difference in the lives of children! Most materials and training are provided free of charge!

Extended Duty Care is offered to assist parents who need additional child care beyond their normal arrangements due to mission-related requirements. Children must already be enrolled in the Child Development Center, the School Age Program or the Family Child Care Program to qualify. To enroll in this FREE Extended Duty Program or for more information, please contact the Family Child Care office.

The Benefits of Being a Family Child Care Provider — If you are interested in becoming an FCC licensed provider, contact the FCC Office at 275-4322. We need providers to offer alternate hours to accommodate evening, swing

and weekend duty hours.

Muroc Lake Golf Course 275-PUTT

Turkey Trot Tournament is Nov. 18. Shotgun start is 8 a.m. Delicious Thanksgiving meal included. Sign up by Nov. 14. Fun Thanksgiving themed event featuring prizes for closest to the turkey. All participants will receive a coupon for a frozen turkey. Must have a Southern California Golf Association handicap.

Customer Satisfaction Survey — Muroc Lake Golf Course strives to deliver the best possible golfing experience to its customers. We are always eager to hear what our customers have to say and we'd like to invite you to complete our customer survey. Our survey is short and to the point and we encourage you to be open and candid with your feedback. Thank you for your help and we look forward to seeing you soon. Please visit the Muroc Lake golf Course to fill out a paper survey or head to the following link to complete the survey online: https://gsp.ngf.org/cgi/start.asp?SC=Edwards-MurocLake.

Single Airman Golf Special — Single Airmen can enjoy 18 holes, cart, burger, fries and drink for a small price. Rental sets are provided for no charge if needed. Limited to the first 100 participants. Single Airmen are Air Force active duty or Air Reserve Component personnel permanently assigned to an Air Force installation or Air Forceled joint base without a spouse and a guest.

Teen Center 275-8336

Edwards School of Music — Sign up today. Open to ages 5-18. Lessons available for piano, guitar, bass guitar, drums, flute, clarinet, saxophone, trumpet and voice. Other instruments

available upon request. Lessons available at all levels, beginner to advanced. For prices and class schedule, stop by the Teen Center or Youth Center. The Edwards School of Music is located in building 7211, right next to the Teen Center.

Keystone Club meets every Wednesday at 2:15 p.m. at the Teen Center. The Keystone Club is a leadership club that performs community service projects around the base. The club also helps teens to maintain focus in high school and helps potential graduates prepare for college.

Youth and Teen Centers Memberships — For about a dollar a day, you could have peace of mind knowing that your son or daughter is in a safe environment - an environment that fosters development and offers constant supervision, tutoring and fun. The Youth and Teen Centers offer social opportunities and structured programming from affiliated agencies such as the Boys and Girls Clubs of America and the 4-H Club.

Youth Sports 277-8961

Youth Basketball sign ups are now until Dec. 1. The season begins Jan. 13, 2018. Youth programs is also looking for highly motivated coaches to coach basketball this year. Please contact Emil Graves at 277-8961 for more information.

Information, Tickets and Travel 275-TRIP

ITT Pricelist & Other Events — To see the current ITT price list for events, parks, hotels and discount information, visit <u>www.edwardsfss.com/wordpress/travel/itt.</u>

Armed Forces Vacation Club — Let us find your dream vacation rental. Forget cramped quarters, get access to space-available resort rentals worldwide for one low weekly price.

412th Security Forces Squadron issues speeding citations

The 412th Security Forces Squadron issued **13** speeding citations and processed one driving suspension from Oct. 23 through Oct. 29.

Driving privilege suspensions (current)

Citations	iccupal and	15 days	0
Citations issued		30 days	0
	(1)		
1 to 10 mph		1 90 days	8
11 to 15 mph		9 180 days (six months)	
16 to 20 mph		365 days (one year)	
21 to 24 mph		Job days (one year)	
25+ mph		130 days (two years)	0
20 · IIIpii		1,095 days (three years)	1

Per AFI 31-218 and EAFBI 31-218, a DD Form 1408 Armed Forces traffic tickets (no-fine) are issued to military members. Military members receiving 1408s are subject to Uniform Code of Military Justice action. A U.S. District Court Violation Notice (USDCVN) (a fine) is issued to all civilians, dependents and retirees. If issued a USDCVN, violators may be required to be present at Magistrate Court in Bakersfield, California, receive traffic violation points against their state-issued driver's license and potentially receive suspension of on-base driving privileges.

Scavenger hunt promotes Lung Cancer Awareness Month

By Maj. Tonya Barry 412th Medical Group Dental Flight



The first clue for Edwards AFB's Lung Cancer Awareness Month scavenger hunt will be revealed Nov. 13. (Courtesy graphic)

November is Lung Cancer Awareness Month and the third Thursday of November is also when the American Cancer Society promotes their annual Great American Smokeout — the one day a year where smokers across the nation can make a plan to quit ... a step toward cancer risk reduction and a healthier lifestyle. This year's smokeout is Nov. 16.

To raise tobacco cessation awareness and promote the Great American Smokeout, the 412th Medical Group will hold a base-wide scavenger hunt Nov. 13-16 with five clues directing participants to five sites. Prizes will go to the first five to complete the scavenger hunt. The first clue will be sent out via email and posted to the 412th MDG Facebook page (@412thmedicalgroup) Nov. 13.

Readiness is the 412th Medical Group Dental Clinic's mission — to ensure every Airman is ready to fly, fight and win at any given moment. In order to achieve maximum readiness, all active duty members are seen for an annual dental exam and cleaning. During the exam, tobacco use is assessed, and if applicable, the patient is asked if he or she is aware of the associated risks. Cancer is a notable risk of tobacco, which can

affect many areas of the body including the oral cavity. Therefore, an oral cancer screening is a vital part of every dental exam. In the dental clinic, tobacco use awareness is a topic of daily discussion, however, November is always a good time for a foot stomp.

No level of tobacco use is safe, including electronic cigarettes and/or vaping.

According to the National Cancer Institute, people who quit smoking, regardless of their age, have substantial gains in life expectancy compared with those who continue to smoke.

The Centers for Disease Control and Prevention cites tobacco use as the single largest preventable cause of death and disease in the United States. More than 16 million Americans live with a disease caused by smoking. One such illustration of disease, likely less known, is eye disease. Tobacco use is both the number one link to macular degeneration (leading cause of blindness) and the top cause of eye infection in the United States.

In December 2016, the World Health Organization reported the prevalence of combined adult cigarette smoking and smokeless tobacco use to be 17.3%. At Edwards AFB, the annual average for combined cigarette smoking and smokeless tobacco was 16% and 14.1% for fiscal year 2016 and 2017; showcasing a 1.9% decrease among active duty.

For further perspective, the most recent monthly statistics for 2017 placed Edwards AFB 0.2% below the total active duty Air Force average for tobacco use. Increased awareness through 412th MDG programs and outreach, such as the tobacco cessation class run by Health Promotions manager, Eugene McClelland, certainly play a role in decreasing tobacco use across the installation. McClelland reported a 63% and 82% quit rate in 2016 and 2017 for participants who completed the Edwards AFB tobacco cessation class.



Tobacco cessation success across the wing is one statistic to be proud of, however, many other tobacco-related statistics deliver a more sobering impact. This month, the 412th MDG is honing in on statistics pertaining to the number 5. According to the CDC, cigarette smoking is responsible for more than 480,000 deaths every year, or 1 out of 5. Similarly, the American Lung Association reported every 5 minutes a woman in the U.S is told she has lung cancer, a leading cause of death among women.

Find the 5 clues to win a prize. Are you up for the challenge?

For more information the Great American Smokeout, please visit https://www. cancer.org/healthy/stay-away-from-tobacco/great-american-smokeout.html. For information about the Tobacco Cessation Class, please call 277-9427.

From AFRL, page 1

"This synchronized effort required great skill in using a 55ton crane to lift the old unit off and reinstall the new unit while ensuring the other cooling tower remained operational," said Westley. "In addition, HVAC personnel replaced piping, couplings and complete fabrication of the cooling tower support structures. The 40-ton condensing unit was also replaced in stages in an effort to not disrupt AFRL operations."

The project lasted seven months with most work being done on the weekends. Westley said the work came in addition to the daily preventive maintenance efforts required to sustain

Edwards AFB's \$1.2 billion in equipment and infrastructure, making it quite an accomplishment for his squadron.

"The combined efforts of the Infrastructure and Pavement Flights far exceeded the normal in-house repairs expected of a base-level CE squadron, but were necessary to sustain the AFRL mission while saving over \$600,000 in project labor and management costs. I am extremely proud of the 412th CES as a whole, and in particular, the awesome accomplishment of the Infrastructure and Pavement Flights," Westley said.

This Week in Edwards History

Nov. 7, 2000, The Lockheed Martin X-35A Joint Strike Fighter accomplished its first aerial refueling. During its 10th flight, the JSF demonstrator completed four refueling evolutions from a Boeing KC-135 at 23,000 feet and verified its compatibility with the tanker's flow-field wake and refueling boom. (Edwards History Office photo)





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- · Eielson AFB, AK Hurlburt Field, FL
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FEB. 8, 2018



Having a ball

Colonel Angela Suplisson, the vice commander for the Air Force Test Center, looks through old photographs from the rocket sled testing program at Edwards AFB with retired Master Sgt. Marvin Houston during the annual Veteran's Military Ball organized by Coffee4Vets at the University of Antelope Valley in Lancaster, California, Nov.4. Coffee4Vets invited the vice commander to be the keynote speaker at their annual military ball celebrating local veterans. Houston, a veteran of both WWII and the Korean war, retired from Edwards AFB in 1966 after more than 22 years of service and shared many of his experiences with the colonel and others who attended the four-hour affair. (U.S. Air Force photo by Michelle Thomas)

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