Test team looks at new parachute for ACES II ejection seat

By Kenji Thuloweit
412th Test Wing Public Affairs

Members of the 418th Flight Test Squadron are testing a new parachute canopy for the Advanced Concept Ejection Seat II, or ACES II. Testers are collecting data on the GR7000 parachute, which has been proposed to replace the current C-9 canopy used in the ACES II ejection seat. The testing is part of the Air Force’s ACES II Safety and Sustainability Improvement Program.

The ACES II ejection seat system has been used for almost 40 years and brought standardization to Air Force ejection seats with it being used in the A-10, F-15, F-16, F-22, B-1 and B-2. The standardization reduced cost and training time as maintainers and pilots only have to train on generally one type of ejection seat.

“The overall test objective is to demonstrate the strength of the GR7000 parachute at worst-case ejection (situations), high-altitude Mode 1 deployment and evaluate the steady-state descent characteristics of the GR7000 parachute,” said Alice White, 418th FLTS ACES II SSIP project manager.

White said since the initial fielding of ACES II in 1978, the U.S. Air Force has made two significant changes affecting ejection seat safety. The changes were unforeseen when ACES II was initially developed. The first change was expanding the allowable aircrew weight range -- originally 140- to 211 pounds -- to 103- to 245 pounds.

“Another significant change affecting the safety of the ACES II was the introduction of helmet-mounted devices, particularly the nuclear flash blindness goggles used by B-2A Spirit aircrew. The combination of larger allowable aircrew anthropometric range, and the added head-born weight of the helmet-mounted devices, increased the risk of having an unsafe ejection,” said Daniel Bush, 418th FLTS ACES II SSIP project flight test engineer.

The GR7000 parachute is designed to handle the greater...
June 30, 2017
www.facebook.com/EdwardsAirForceBase

ALS Class 17E graduates, returns to work with new tools

By Kenji Thuloweit
412th Test Wing Public Affairs

The 412th Test Wing’s Airman Leadership School held its latest graduation ceremony June 22 at Club Muroc. Base leadership and attendees watched 25 senior airmen, two Marines and three civilians of Class 17E take another step in their perspective careers.

Senior Airman Kristopher Arbogast, Detachment 2, 9th Operations Group, won the John L. Levitow Award. The Levitow award is presented to the student that demonstrated the most outstanding leadership and scholastic qualities. Selection for the Levitow award is based on academic performance and assignment of points by peers and instructors.

Amanda Cleveland, 412th Test Wing, became the first civilian ALS graduate to win a distinguished award since the ALS format was open up to civilians.

ALS is a five-week United States Air Force program designed to develop Airmen into effective frontline supervisors.

ALS Class 17E

Robert S. Dunn
912th Aircraft Maintenance Squadron

Caleb M. Swally
VMX 22 United States Marine Corps

Christian A. Sparks
VMX 22 USMC

Amanda Cleveland (civilian, Distinguished Graduate)
412th Test Wing

Deana Butler (civilian)
412th Test Wing

Kerry Collins (civilian)
412th Communications Squadron

Luis E. Lagunasavedra
152nd Logistics Readiness Squadron, California Air National Guard

Nicholas A. Wessells
142nd Security Forces Squadron, CANG

Michael M. Camarillo
147th Combat Communications Squadron, CANG

Ashlee U. Acosta
154th Civil Engineer Squadron, CANG

Jenna G. Ramirez
162nd LRS (CANG)

Verkela C. Phillips
127th Force Support Squadron, CANG

Where history is made...

Dr. Stephanie M. Smith, Air Force Test Center, receives the 2017 Air Force Material Command Dennis F. Casey Award for Excellence in Periodic History from Maj. Gen. David Harris, Air Force Test Center commander, at a ceremony in May. Smith since has won the Air Force-level version of the award. She documents history of the 412th Test Wing for the AFTC.

The award applies to historians in a multi-person office and is given annually by the United States Air Force History and Museums Program. Smith is recognized for providing the best periodic history reports and for providing superior historical services to her unit.

According to Air Force doctrine, Dr. Dennis F. Casey served as an Air Force historian for more than 30 years. He influenced a generation of historians through his work as an instructor at Air Force History and Museums Program historian training courses.

(U.S. Air Force photo by Joseph Sebastian Pol Gocong)
**412th Force Support Squadron**

**upcoming events**

**Force Support Squadron**

275-3826

**Summer Bash 2017** will be held July 4, from 4-10 p.m. at Wings and Roberts Fields. The annual event is open to the entire Edwards AFB community. Celebrate Independence Day with live music, food booths, water fun and carnival rides. The television show “The Voice” Season 11 winner, Sundance Head, will be performing at 8 p.m. before the fireworks show at 9:45 p.m. Plus, enter to win a two-night stay at the Stratosphere in Las Vegas and Knott’s Berry Farm Tickets. Sundance Head is brought to Edwards by Air Force Entertainment.

**Premiere Tickets** are available. Enjoy a cooled, private seating area with pulled pork and grilled chicken sandwiches with garden salad, cold pasta salads, potato chips, fresh fruit and water (sodas, beer, and wine sold separately). Visit the Oasis Community Center to purchase tickets today.

**Airman and Family Readiness**

277-0723

**Pre-Separation Counseling** is July 5, 8:30-11:30 a.m. Start your military transition now. Starting this process early will help you better prepare to have a successful transition from military to civilian life.

**Newcomer’s Orientation and Information Fair** is Thursday, July 6, from 7:30 a.m.-2 p.m. Required for all active duty members. The program provides vital information regarding base resources, services, policies, procedures, recreation opportunities and more.

**Women, Infants & Children Program** is Monday, July 10, 9:30 a.m.-3 p.m. Open for both walk-ins and appointments and closed for lunch 12-1 p.m. For an appointment or voucher information, call toll free 1-866-327-3074.

**Federal Employment Workshop** is July 11, 9 a.m.-12 p.m. Ten Steps to Federal Employment teaches the easy to follow, step-by-step process for analyzing your qualifications through tracking and following up with your USAJOBS applications. Registration 24 hours prior to class is required.

**First Term Officers Course** is July 11, 8 a.m.-12 p.m. This course will introduce first term officers to all aspects of financial readiness.

**Pre-Separation Counseling** is Wednesday, July 12, from 8:30 a.m.-11:30 a.m. Start your military transition now. Starting this process early will help you better prepare to have a successful transition from military to civilian life.

**Plan My Move** is July 12, 2-3 p.m. Edwards Plan My Move seminar will assist you in ensuring you select the proper path for a successful PCS, whether it be planning for an OCONUS or CONUS move. It will also ensure you receive valuable information necessary to make informed decisions and alleviate stress that might come with a relocation.

**Sponsorship Training** — All sponsors need to complete the online training at http://apps.mhf.dod.mil/es and then call Maricel Rusit at 277-0723 for more information and resources.

**Club Muroc**

275-CLUB

**First Friday** is July 7, 4 p.m.-6. Free hors d’oeuvres for members.

**Fight Frenzy:** UFC 213 is July 8 at 7 p.m. Doors open at 5 p.m. Free for club members.

**Splash Night Fridays** are 5-8 p.m. Swim for free. Grill your own steaks and hot dogs. Music is available. Bring the whole family!

**Delivery Service** — Did you know that the club delivers to base housing? Call Monday-Friday from 5-8 p.m. to place your order!

**Arts and Crafts Center/Auto Hobby**

275-ARTS/AUTO

**Instructors Needed**! If you’re creative, we need you. Arts and Crafts is seeking out instructors of all types. Come and share your creative knowledge with a diverse group of students looking for painting, photography, drawing, scrapbooking and other craft/art related instruction.

**Interested In Taking Classes?** We are currently offering classes in stained glass, paper crafting, mosaics and cookie and cake decorating.

**Smog Checks** - Auto Hobby has a certified Smog Technician available Tuesday-Saturday, 9 a.m.-6 p.m. No appointment is required!

**Basic vehicle maintenance class** is Saturdays at 10 a.m. Participants will learn the basics of good vehicle maintenance. Learn how to operate a lift, change your oil and check and balance your tires. Call the Auto Hobby Shop at 275-AUTO (2887) for more information.

**Automotive detailer wanted** - The Edwards Car Wash is looking for an automotive detailer. Call Auto Hobby for more information.

**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.

**Wood Shop** is available Tuesday through Saturday, 9 a.m.-6 p.m. For the woodworking hobbyist, the Arts and Crafts Center provides a variety of equipment that includes band saws, table saws, a drill press and much more. A safety course is required to use the Wood Shop.

**Oasis Community Center**

275-CNTR

**Let's Make a Deal Trip** will be Wednesday, July 26. Join us as we visit one of the wackiest game shows on TV, “Let’s Make a Deal.” The Oasis Community Center will provide costumes and transportation, all you have to provide is yourself! Bus leaves Oasis at 6 a.m. and returns to Oasis around 6 p.m. We will also make transportation stops in Rosamond and Lancaster. Must be 18 years or older to attend the taping. Sign up at the Oasis Community Center by July 14.

**Library**

275-BOOK

**Summer Reading Program: “Reading by Design”** runs until Aug. 11. Sign-ups will continue throughout the program. Children of all ages are welcome to participate. Join the base library staff every Friday at 10 a.m. for a special Summer Reading Program event.

**Coffee and Coloring** is every Tuesday from 11 a.m.-2 p.m. Enjoy a cup of coffee or tea while coloring designs created for adults.

**Rosburg Fitness Center**

275-GYM1


**Adopt me!**

Sven is my name and cute is my game! I’m an 11-month-old cocker spaniel mix who loves people, kids and other animals. I’m well behaved for such a young guy and everyone thinks I’m cute as pie. I know some basic commands like sit, shake and lay. I’m fully vetted and waiting for a home to call my own! Call APET at 258-9525 today!
Outdoor Recreation
275-CAMP

Vazquez Hiking Trip is Saturday, July 8, from 7 a.m.-6 p.m. Register by July 5. Price includes transportation, gear, guide, food and water. Vazquez offers an extensive network of trails of varying length and difficulty. From short nature trails to long, strenuous hikes, you’re sure to find a trail to your liking.

**Summer Pool Hours:** Oasis Aquatic Center — Monday, Wednesday and Friday, 6-8 a.m. for lap swimming. Sonic Splash Pool — Wednesday-Friday, 1-6 p.m. Saturday and Sunday, 12-6 p.m. Muroc Pool Splash Night Fridays is 5-8 p.m.

**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 RV's.

**Land Sailing Program** — operates by private bookings only. Must be cleared with the flightline one week prior to scheduled event. If you have any questions, call ODR at 275-2267.

**High Desert Lanes Bowling Center**

**275-BOWL**

**USA Bowling: Learn to Bowl** is July 11, 18, 25 and Aug. 1. From 2 p.m.-3. Open to ages 5-16. This a free event. Join us for a four-week program that teaches basic bowling fundamentals, bowling etiquette and everything a new bowler needs to know.

**Kids Bowl Free Program** — Register your child for a spring and summer fun bowling pass and receive two free games of bowling a day this spring and summer (shoe rental cost not included). To register, go to www.kidsbowlfree.com/). All KBF members are invited to the KBF Bowling Parties July 25 and Aug. 29 from 3-6 p.m. Enjoy unlimited bowling, shoe rental, two slices of cheese pizza and a drink for a low price per person, per party.

**RRR Single Airman Glow Bowl Nights** are Saturdays from 8 p.m.-midnight. Single Airmen will receive unlimited games and shoes for glow-in-the-dark bowling for free. There will be music and a fun atmosphere for all. Must show valid military ID. Offer ends Aug. 26.

**Muroc Lake Golf Course**

**275-PUTT**

**Customer Satisfaction Survey** — Muroc Lake Golf Course strives to deliver the best possible golfing experience to its customers on every round. 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 Airman 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 Force-led joint base without a spouse and a guest. Must be 18 years or older with a valid driver’s license.

**Kids Drive Free** is now until Aug. 31, 7 a.m.-5 p.m. Visit the Muroc Lake Golf Course Pro Shop to receive two free tokens per day for junior golfers. Children under 13 must be accompanied by an adult at all times. Tokens must be used the day of receiving them.

**Youth Sports**

275-5437

**Youth Soccer** registration is now until July 28. The season starts in September. Call for prices. Open to ages 5-14. All soccer teams will be coed. Youth Sports Programs is also looking for highly motivated volunteers to coach youth soccer.

**Teen Center**

275-8336

**Teen Mountain Adventure Camp** is July 10-13 at Big Bear. This camp will feature four days and three nights at beautiful Big Bear, California. Activities will include zip-lining, horseback riding, kayaking and the Great All-American Giant Squirt Gun fight. All for an amazing price. Don’t miss it. There is no deadline to sign up for this camp but once it is full a waiting list will be formed.

**Teen Leadership Camp** is July 24-27 at Big Bear. This camp will feature four days and three nights. This camp is for teens that would like to learn or improve their leadership skills. Teens will plan activities such as community service projects, fundraisers and career preparation. This camp is also for anyone interested in potentially joining the Keystone Club. Daytime activities include zip-lining, a cooking class, kayaking and the Great All-American Giant Squirt Gun Fight. There is no deadline to sign up for this camp, but once it is full a waiting list will be formed.

**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 maintain focus in high school and to graduate and prepare for college.

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412th Security Forces Squadron issues speeding citations

The 412th Security Forces Squadron issued 18 speeding citations and processed three driving suspensions from June 19 through June 25.

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<tr>
<th>Citations issued</th>
<th>15 days</th>
<th>30 days</th>
<th>60 days</th>
<th>90 days</th>
<th>180 days (six months)</th>
<th>365 days (one year)</th>
<th>730 days (two years)</th>
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Per AFI 31-218 and EAFB’ 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.
Commentary: Fireworks safety tips from EAFB Fire Dept.

From Edwards AFB Fire Department

Fireworks are synonymous with our celebration of Independence Day. Yet, the thrill of fireworks can also bring pain. Two hundred people on average go to the emergency room every day with firework-related injuries in the month around the July 4th holiday. In California, only the safe and sane type fireworks are legal for use. However, even these fireworks are not legal for use in every city. The general rule is if you can buy the fireworks, they are legal for use in the city where you bought them. If you are planning to buy fireworks in one city and use them in another, you should check with the fire department to make sure they are legal in that city. An example of this is safe and sane fireworks that are legal to buy and use in Palmdale, might be illegal in Lancaster.

Please remember safe and sane fireworks are still dangerous. Statistics show that, nationwide, these types of fireworks are responsible for more injuries than any other type. This is believed to be because the title safe and sane gives many people the idea they cannot hurt you. Nothing could be further from the truth. Fireworks can be dangerous, causing serious burns and eye injuries. You can help us and your local fire departments prevent firework-related injuries and deaths. How? By following these simple safety tips for off base fireworks use. Remember, fireworks are prohibited on Edwards AFB unless approved by the base commander.

- Never allow young children to play with or ignite fireworks.
- Avoid buying fireworks that are packaged in brown paper. These are for professional display shows.
- Always have an adult supervise fireworks activities. Parents don’t realize that young children suffer injuries from sparklers. Sparklers burn at temperatures of about 2,000 degrees - hot enough to melt some metals.
- Never place any part of your body directly over a fireworks device when lighting the fuse. Back up to a safe distance immediately after lighting fireworks.
- Never turn your back on a lit firework device.
- Never try to re-light or pick up fireworks that have not ignited fully.
- Never point or throw fireworks at another person.
- Keep a bucket of water or a garden hose handy in case of fire or other mishap.
- Light fireworks one at a time, then move back quickly.
- Never carry fireworks in a pocket or shoot them off in metal or glass containers.
- After fireworks complete their burning, douse the spent device with plenty of water from a bucket or hose before discarding it to prevent a trash fire.
- Make sure fireworks are legal in your area before buying or using them. Fireworks are not authorized on base property except for the authorized professional show.

From ACES II, page 1

weight ranges for pilots and to provide a slower rate of descent and oscillation, according to the manufacturer.

In the past several weeks, testing of the GR7000 parachute consisted of 10 dummy drops, 20 live-person jumps and five drops using a crosswind deployment cylindrical test vehicle, which looks similar to an inert bomb.

“Key performance values for this test are airspeed, altitude, rate of descent and canopy structural integrity. Riser loads and acceleration data also will be collected and analyzed,” said Dean Van Oosterhout, 418th FLTS ACES II SSIP project engineer.

For test purposes, the 418th FLTS contracted a Skyvan from Skydive Perris, out of Perris, California. Skyvans have been previously used for live jumps, dummy drops and airdrops. The plane has an anchor cable with a winch on the right side of the aircraft cargo hold and bench seats for parachutists and passengers running down both sides. According to the 418th FLTS ACES II SSIP project pilot, Maj. Duncan Reed, the Skyvan is able to meet test requirements to climb and level off between 16,000 and 17,000 feet median sea level and trim to between 90 and 100 knots-indicated airspeed, which is required for the cylindrical test vehicle drops.

The ACES II Safety and Sustainment Improvement Program has been on-going for many years, according to White. She said in the past year, a critical design review was held that culminated in the final seat design and a qualification effort ensued.
This Week in Edwards History


Breaking barriers since 1947
Celebrating 70 years of supersonic flight

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