

DESERT WINGS

Public Affairs, Volume 66, Number 17

Aug. 10, 2018

AF Test Center welcomes new commanding general

By Kenji Thuloweit

412th Test Wing Public Affairs

The world's premier flight test organization is in the hands of a new leader.

Brig. Gen. Christopher P. Azzano assumed command of the Air Force Test Center during a ceremony held Aug. 3 in Hangar 1600 at Edwards Air Force Base.

Azzano takes the reins from Maj. Gen. David Harris who has commanded the AFTC for the past three years.

Gen. Ellen M. Pawlikowski, Air Force Materiel Command commander, presided over the ceremony.

Azzano now directs an enterprise of more than 18,000 military, civilian and contractor personnel across Edwards AFB, Eglin Air Force Base, Florida, and Arnold Air Force Base in Tennessee.

"To the men and women of the Air Force Test Center, it's truly an honor to serve with all of you again," Azzano said. "Together we will continue to build new lethality into America's arsenal forged from the latest technology developed, integrated and validated, by all of you. For you, smart risk management and rigorous self-improvement are a foundation of agility and speed."

His area of responsibility will include the development, test,



Brig. Gen. Christopher P. Azzano poses with the Air Force Test Center guidon with the commander of Air Force Materiel Command, Gen. Ellen Pawlikowski, during a change-of-command ceremony held in Hangar 1600 at Edwards Air Force Base, Aug. 3. (U.S. Air Force photo by Kenji Thuloweit)

and evaluation of manned and unmanned aircraft systems in both experimental and proven aerospace vehicles. These include programs for military services, Defense Advanced Research Projects Agency (DARPA), NASA and international partners, in addition to operation of the U.S. Air Force Test Pilot School.

"As stewards of some of America's most important real

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OG chasing options for test support with Alpha Jet



A Gauntlet Aerospace Alpha Jet flies above the Mojave Desert earlier this year. Two Alpha Jets have been contracted to serve as chase aircraft for test missions at Edwards. The 412th Operations Group is conducting an experiment to determine if the planes can successfully provide needed test support. (U.S. Air Force photo by Ethan Wagner)

By Kenji Thuloweit

412th Test Wing Public Affairs

When a test aircraft takes to the sky, on many occasions it is accompanied by a chase airplane. The chase plane can provide safety support by giving visual feedback, serve as a flying target, and document the test sortie through photography and video taken by an additional crewmember.

Testing new systems on almost every aircraft type in the Air Force inventory, with several sorties each day, can be a grind and the demand for chase aircraft is higher than ever.

The 412th Operations Group is exploring ways to augment

its chase plane fleet and one option is using Alpha Jets.

"The primary test support aircraft is the F-16, which is very capable," said Christopher Klug, 412th Operations Group technical director. "The demand for test support, mostly safety chase and flying as a target, exceeds F-16 capacity. While the Alpha Jet isn't as capable as the F-16, it can service the part of the test support mission that doesn't require the higher-end capabilities of the F-16."

Edwards currently has two Alpha Jets contracted through Modern Technology Solutions, Inc. and Gauntlet Aerospace to support certain test sorties as an experiment to see what they can offer.

According to Gauntlet Aerospace, the owner of the jets, the two-seat Alpha Jets were designed to be light attack and trainer aircraft in the 1970s through a partnership between French aircraft company Dassault and German company Dornier. The Alpha Jet was also designed to be launched quickly after each sortie and does not require ground-support equipment. The jets are still in military service in France, Belgium, Egypt, Portugal, Thailand, and are operated by French test pilot school EPNER and Britain's Empire Test Pilot School, according to Gauntlet.

Klug added that Alpha Jets can be well-suited to handle shorter-length test support missions executed at around 30,000 feet and less than 0.8 Mach speed. So far, Alpha Jets have supported

See Alpha page 3

AF announces retirement of Gen. Ellen Pawlikowski

From AFMC Public Affairs

Air Force officials announced July 26 that Gen. Ellen Pawlikowski, commander of Air Force Materiel Command at Wright-Patterson Air Force Base, will retire in September.

Pawlikowski, the third female Air Force general officer to reach four-star rank, has served as AFMC's commander since June 2015. She was commissioned as a second lieutenant 40 years ago following graduation from the New Jersey Institute of Technology with a degree in chemical engineering.

She has served in a number of technical management, leadership and staff positions, including program director of the Airborne Laser Program and commander of the Air Force Research Laboratory. More recently she led Air Force space systems acquisition as command-

er of the Space and Missile Systems Center in Los Angeles, and served at the Pentagon as Military Deputy, Office of the Assistant Secretary of the Air Force for Acquisition.

Her successor has not yet been named. The date of her retirement ceremony will be announced in the near future.

As AFMC commander, Pawlikowski leads a workforce of 80,000 uniformed and civilian Airmen responsible for the conceiving, developing, acquiring, testing, sustaining, modernizing and ultimately retiring Air Force weapon systems. Her command also provides critical warfighting Airmen readiness and installation support functions. The command annually manages \$60 billion of the DoD budget.

A native of Bloomfield, New Jersey, Pawlikowski is planning a move to central Georgia following her retirement.



(U.S. Air Force photo)

AF releases Light Attack Aircraft draft request for proposal

Secretary of the Air Force Public Affairs

The Air Force shared a draft request for proposal for the Light Attack Aircraft with Sierra Nevada/Embraer and Textron Aviation following the conclusion of the second phase of the Light Attack Experiment.

This is the first step in working with industry towards the final RFP release that is expected in December 2018. Air Force acquisition officials indicated there are items that still need to be finalized prior to the release of the final RFP, but it is prudent to begin the dialogue with industry in order to adjust the RFP as appropriate in order to meet the timelines.

"We must develop the capacity to combat violent extremism at lower cost," said Secretary of the Air Force Heather Wilson. "Today's Air Force is smaller than the nation needs, and the Light Attack Aircraft offers an option to increase the Air Force capacity beyond what we now have in our inventory or budget."

Wilson said in the past year the Air Force has completed two flying experiments and drafted the Light Attack Aircraft request for proposal.

"We're where we're at today because both Congress and our industry partners understood the need to find ways to get capabilities to our warfighters faster," she said.



A Beechcraft AT-6 experimental aircraft flies over White Sands Missile Range, New Mexico, July 31, 2017. The AT-6 is participating in the U.S. Air Force Light Attack Experiment (OA-X), a series of trials to determine the feasibility of using light aircraft in attack roles. (U.S. Air Force photo by Ethan Wagner)

Pilots flew the Sierra Nevada/Embraer A-29 Super Tucano and the Textron Aviation AT-6B Wolverine this summer as a live-fly experiment to gather additional information about aircraft capabilities, as well as partner nation interoperability, prior to a potential light attack purchase.

"It is important to look at the light at-

tack aircraft through the lens of allies and partners," said Air Force Chief of Staff Gen. David L. Goldfein. "An interoperable light attack aircraft that delivers common architecture and intelligence-sharing network capabilities will enhance our collective ability to compete, deter and win across all domains."

412th Force Support Squadron upcoming events

Club Muroc 275-CLUB

Family Luau at the club is Friday, Aug. 17 at 5 p.m. Club member and non-club member prices. Kids eat at a discount. The evening features a Hawaiian buffet, tropical drink specials and free kids games.

Club Muroc Summer Parties — Are you looking to host a squadron event or party this summer? Look no further than Club Muroc! For a low price per person, enjoy our "Patio Burger Burn" option, which includes burgers, hot dogs, macaroni salad, potato chips lettuce, tomato, and onions, condiments and water. All you have to provide are cooks, plates, napkins and utensils. Enjoy the secluded patio with access to the pool. Add our 20 foot water slide for an additional fee.

Kids Eat Free on Saturdays! Purchase one adult meal and receive one free kids meal valid for children under 12. Dine-in only.

Monday Pizza Night — Every Monday night from 5-8 p.m. Enjoy a 16" pizza made with fresh

dough for dine-in, carryout or delivery. Make sure to try our delicious chicken buffalo pizza! For more options and to place your order, call 275-CLUB.

Wednesday Breakfast Special — Every Wednesday, 6:30 a.m.-10 a.m. Start your day off with scrambled eggs, bacon, toast and juice. Breakfast is served every weekday from 6:30 - 10 a.m. and all day Saturday and Sunday from 10 a.m.- 8 p.m.

Delivery Service — Did you know that we deliver to base housing? Call us Monday-Friday from 5-8 p.m. to place your order.

High Desert Lanes Bowling Center 275-BOWL

Kids Bowl Free — Registered kids get two free games a day this summer. Include four guests with a family pass for a discounted price. This promotion is available until August 3. The Kids Bowl Free membership is free for each child 15 years and under. Must sign-up via www.kids-bowlfree.com and fill in all fields to obtain KBF® Coupons. "Family Pass" allows up to four additional family members over the age of 15 to receive coupons for two free games of bowling per day and may only be used while bowling with the KBF® member. Shoe rental not included.

Green Pin Special is every Monday, 10:30 a.m.-7 p.m. Get a strike when you have a green head pin and get that game free. Shoe rental not included. Cannot be combined with any other offers/specials.

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

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.

Rosburg Fitness Center 275-GYM1

Chair Massages — Take a break from work and enjoy a relaxing chair massage available 11 a.m.-1 p.m. and 3-5 p.m. Five, 10 and 15 minute

**For more information
about 412th FSS offerings, visit
www.edwardsfss.com/wordpress**

prices. No appointment necessary

Fitness Classes — High intensity classes are Mondays and Wednesdays at 6:30 a.m. on the basketball court. Circuit training is Tuesdays and Thursdays at 3:30 p.m. on the basketball court.

Library 275-BOOK

Reading Takes You Places runs until Aug. 17. Summer reading program for children of all ages. Sign-up throughout the program. Special event every Friday at 10 a.m.

Education and Training 277-2713

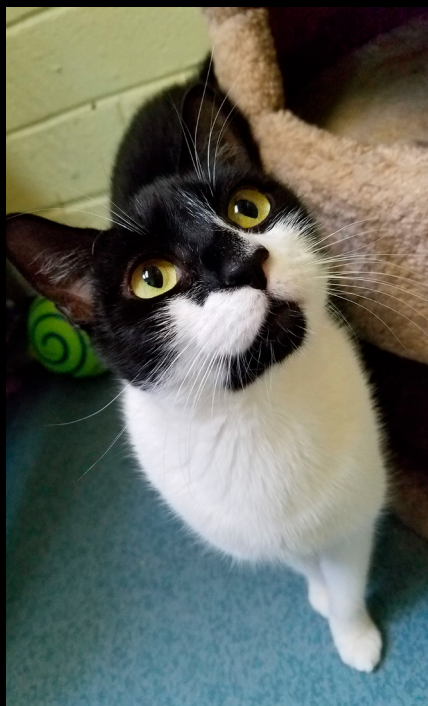
Leadership Training Opportunities — Did you know that your Edwards Education and Training Center offers a variety of civilian leadership training programs to help civilian leaders in their day-to-day leadership paths? Examples of the courses that can be offered are: Leadership Gold, 360 Degree Leader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



Adopt me!

Kennedy is a wonderful 2-year-old kitty who is rather independent. She tolerates other animals but certainly wouldn't mind being the only princess. She loves to talk and enjoys human companionship the most. You can often find her cuddled up on a kitty tree taking a snooze or greeting you at the door. Contact APET today at 258-9525.

Muroc Lake Golf Course hosts

LPGA's MOLLY ARONSSON

Friday, August 24 ~ 9am-2pm

Saturday, August 25 ~ 8am-2pm

Muroc Lake Golf Course ~ 275-PUTT

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Presenting

FREE Golf Clinics Open to All Ages



Announcements

Outdoor Recreation 275-CAMP

Gun Safety Classes at the Rod and Gun Club Aug. 25 and Sept. 22 from 9 a.m.-2 p.m. Register by the Wednesday prior. Guns and ammunition are not provided. Must be 18 years or older. Call for prices.

August Discounted R4R Trips:

Deep Sea Fishing is Aug. 25 from 3 a.m.-8 p.m. Sign up by Aug. 22.

RecOn pricing is for all USAF active duty, Reservists and their family members. Anyone under the age of 18 must be accompanied by parent or guardian.

Gun Safety Classes are on the fourth Saturday of every month from 9 a.m.-2 p.m. Small fee per person. Open to ages 18 and up with classes being held at the Rod & Gun Club. Familiarization and how-tos of guns and shooting taught by California's fastest shooter, Len Paris. Includes a classroom portion on basic firearms and safety rules, followed by two hours of shooting practice on the range. Ammunition at no time will be allowed in the classroom. Guns will not be provided. Class size is limited so reserve your spot by visiting Outdoor Rec.

Pool Movie Nights are 4-8 p.m. Price includes food, goodie bags, relay races and door prizes. Space is limited so sign up fast.

Now Hiring Lifeguards for the Oasis Aquatic Center. Free training for applicants who pass the initial swim test. Swim test includes a 300 meter swim, two-minute tread with no hands and a timed deep-water brick retrieval. Must be 16 years or older to apply. Contact the Oasis Aquatic Center for more information.

Open/Family Swim at Oasis Aquatic Center is Monday-Friday. Hours are 3-5:30 p.m. Family pass is valid for four people for three months. Passes are available for purchase at Outdoor Recreation and the Oasis Community Center now. They must be shown to the lifeguards on duty for verification before entering the pool.

Free Lap Swim at the Oasis Aquatic Center hours are Monday, Wednesday and Friday from 6-8 a.m. And Monday-Friday, 10 a.m.-6 p.m. No children allowed unless they are able to swim laps unsupported.

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!
Numerous openings in RV Storage — Come over and park your equipment for our low prices and have access to them anytime you need.

Muroc Lake Golf Course 275-PUTT

Long Drive and Trick Shot Program — Aug. 18, 9 a.m.-3 p.m. FREE clinics and presentations open to all ages. Program features Todd Keirstead, professional golfer, author and motivational speaker featured on Golf Channel, Sports Illustrated, ESPN, TSN and TMZ.

LPGA Golf Pro Clinic dates are Friday, Aug. 24 from 9 a.m.-2 p.m. and Saturday, Aug. 25, from 8 a.m.-2 p.m. Muroc Lake Golf Course will host LPGA pro Molly Aronson for two free golf clinics open to all ages.

Single Airmen 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 Force-led joint base without a spouse and a guest.

Information, Tickets and Travel 275-TRIP

New Travel Specialist — Save hours of searching the internet by contacting Candace at Edwards ITT. She has over 10 years of travel experience and is here to help you plan the vacation of your dreams. Custom packages are available including resorts, cruises, flights and tours.

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

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. Call 275-TRIP(8747). Come by anytime to pick up a prices list for your favorite theme parks too.

Teen Center 275-8336

Teen Center Summer Programs are for ages 13-18. Six exciting trips beginning July 19 with Morro Bay Kayaking, Cal Poly campus tour and San Luis Obispo Farmer's Market Trip. Call the Teen Center to sign up. Other trips are Getty Center/Santa Monica; music video recording camp; Big Bear; and skateboard and science camps.

Instructional Classes — Gymnastics (ages 3-17 years) are Tuesdays, Wednesdays and Thursdays. Email ssgymnastic1@yahoo.com for more information.

Youth Sports 277-8961

Sideline Sports Camp with Youth Sports is Aug. 13-17, for ages 9-18. Times are 9 a.m.-12 p.m. and 1-4 p.m. Free for members; fee for non-members. Take a new adventure into non-traditional sports such as: ultimate frisbee, badminton, water polo, fencing and lacrosse.

Youth Soccer — Sign up now. Season starts in September. Ages 5-14 with all teams being co-ed. Call for prices. Discounts for siblings who sign up. Late fee will be charged after July 27. Volunteer coaches are also needed.

Start Smart Soccer for ages 3 and 4. Season begins Sept. 12. Sign up by Aug. 13. Call for prices.

Youth Programs 275-5437

Boys & Girls Club Power Hour/Project Learn is Monday-Thursday, 2:30 p.m. — 4 p.m. Making minutes count helps club members (ages 6-12) become successful in school by providing homework help/tutoring while encouraging members to become self-directed learners. See Ms. Breanne for details and to sign up.

Creative Kids - Art Daily at 3 p.m. in the art room area. Children will enjoy creating all types of cool arts and crafts.

Fitness Daily is at 3:30 p.m. in the Youth Center Gym. Join us for fitness. See what played like dodge ball, skating, volleyball and much more. 4-H Photography Club — is the first Tuesday of the month from 3:30 p.m.-5 p.m. Learn all about photography skills. See Ms. Kerry for details.



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FRIDAY AUGUST 10	SATURDAY AUGUST 11	MONDAY AUGUST 13
 ADRIFT (PG-13) 3:30PM  TULLY (R) 6:30PM	 FERDINAND (PG) 3:30PM  DEADPOOL 2 (R) 6:30PM	 FROZEN (PG) 12PM
 LIFE OF THE PARTY (PG-13) 3:30PM  BOOK CLUB (R) 6:30PM	 ICE AGE (PG) 3:30PM  SOMETHING ABOUT MARY (R) 6:30PM	<h2 style="margin: 0;">NO SHOWING</h2>


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Rocket Lab Airman dead following traffic accident

From 412th Test Wing Public Affairs

A U.S. Air Force Airman died as a result of a traffic accident near Victorville, California, July 25.

Tech. Sgt. Justin Elledge, 33, was assigned to the Air Force Research Laboratory's Rocket Lab located on Edwards Air Force Base. He served as the non-commissioned officer in charge of the fabrication shop and had been at Edwards for almost two years. He served 15 years total in the Air Force.

"Technical Sergeant Elledge inspired and motivated the entire lab," said Lt. Col. Jonathan McCall, AFRL Rocket Lab commander.

The accident occurred at approximately 7:45 p.m.

"We are all deeply saddened by his



(U.S. Air Force graphic)

loss," said Maj. Gen. William T. Cooley, AFRL commander.

Elledge is survived by his wife and

three children.

"Team Edwards grieves alongside our AFRL teammates and is already fully engaged in supporting their every need," said Brig. Gen. E. John Teichert III, 412th Test Wing commander and Edwards AFB base commander.

The California Highway Patrol is investigating the accident.

LEGAL NOTICE: Attention to all personnel. Col. Kirk L. Reagen, 412th Test Wing vice commander, regrettably, announces the death of Tech. Sgt. Justin W. Elledge. Anyone having claims against or indebtedness to the estate of Tech. Sgt. Elledge should contact 1st. Lt. Joshua-Edward C. Beardsley, AFRL, summary courts officer, at 661-275-8152.

From Azzano, page 1

estate, we will continue to care for our installations, for our ranges, and of course, for our joint servicemembers and their families making the Air Force Test Center a great place to live and work."

Azzano comes to Edwards from Headquarters, Air Force Materiel Command, Wright-Patterson Air Force Base, Ohio, where he served as the director of Air, Space and Cyberspace Operations. Before that, he served as the 96th Test Wing at Eglin Air Force Base, Florida.

Azzano graduated from the U.S. Air Force Test Pilot School at Edwards AFB in 2000 and later returned as the 412th Operations Group commander.

Azzano has flown more than 2,900 hours in 35 aircraft types as an instructor pilot, evaluator pilot and experimental test pilot. He has conducted developmental tests on a wide range of aircraft and weapons, and has commanded at the squadron, group and twice at the wing level.

Following the change of command, the base held a retirement ceremony for Harris who is leaving the Air Force after more than 31 years of service.

From Alpha, page 1



Brig. Gen. Christopher P. Azzano (center), accepts command of the Air Force Test Center from Gen. Ellen Pawlikowski, Air Force Materiel Command commander, during a change-of-command ceremony Aug. 3 at Edwards Air Force Base. Azzano replaces Maj. Gen. David Harris (right) who is retiring from the Air Force. (U.S. Air Force photo by Kenji Thuloweit)



A Gauntlet Aerospace Alpha Jet flies above the Mojave Desert earlier this year. Two Alpha Jets have been contracted to serve as chase aircraft for test missions at Edwards. The 412th Operations Group is conducting an experiment to determine if the planes can successfully provide needed test support. (U.S. Air Force photo by Ethan Wagner)

test missions with F-16s, F-15s, F-22s, B-1s and F-35s, he said.

The ability to capture visual data is another important role of a chase plane and the 412th OG hopes more test missions can be properly documented with lower-priority test missions getting the necessary photographic documentation needed.

"The F-16 is a much more versatile photo platform than the Alpha Jet, but there just aren't enough D-models (two-seat versions) to go around," said Christian Turner, Media Fusion Aerial Photography manager. [U.S.A.F. Test Pilot School] is a pretty high priority when it comes to getting D-models since they're required to have instructors for most of their flights. Having access to Alpha Jets simply gives us greater access to a two-seat photo chase platform."

As with all testing at Edwards AFB, data will be analyzed and leaders will decide if Alpha Jets can be used as permanent fixtures to support future tests.



This Week in Edwards History

On Aug. 6, 1980, a B-1 Combined Test Force crew completed an 11-hour sortie in B-1 No. 4. This was the longest nonstop flight ever logged by a B-1 Lancer. (Edwards History Office file photo)

National Breast-feeding Month Symposium Aug. 16

By Capt. (Dr.) Kara Garcia
412th Medical Operations Squadron

What saves the lives of babies born too early and reduces missed work and saves money? Breast-feeding.

Breast milk is the ultimate infant food. It's conveniently packaged, organic and always the right temperature from the tap. Plus, it comes with an added benefit — mom snuggles.

Breast-feeding has been proven to reduce the number of infectious illnesses to include ear infections, colds and those nasty gastrointestinal bugs that make their way through squadrons and families. This means fewer sick days for kids and fewer missed work days.

Breast-feeding has also been linked to decreased breast cancer risk, type 2 diabetes, ovarian cancer risk and reduced postpartum depression in moms. Even further, breast-feeding moms return to better health sooner after the birth of their infant.

The Air Force recognizes the importance of breast-feeding and has made steps to promote breast pumping at work. Personnel policies in place have greatly contributed to improving the moms who continue to breastfeed beyond the first 3 months of their infants' lives. These include the increased parental leave options, postpartum deferment of deployment and TDY, requiring the provision of a private and clean space to express milk



(U.S. Air Force photo by Beau Wade)

while away from their infant, and most recently including a lactation shirt option for the ABU undershirt in the most recent dress and appearance AFI update.

One outstanding breast-feeding resource at Edwards AFB is the La Leche League. Email the Edwards Chapter of La Leche League International at EdwardsAFBla lecheleague@gmail.com. Dr. Kara Garcia, a 412th Medical Group pediatrician, is an IBCLC (International Board Certified Lactation

Consultant) and is available for consultation through the appointment line at 277-7118. As part of the celebration of National Breast-feeding Month, the 412th MDG invites all to participate in the 2018 Breastfeeding Symposium at 1 p.m., Aug. 16, on the second floor of the Main Clinic. Garcia will present a short talk followed by a question-and-answer session about breast-feeding and ways to foster command support in the Edwards military population.

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