



NIGHT OUT

... works to build community

PAGES 14-15

Words matter: Speak up to lead culture



The Air Force Medical Service has been on a long journey toward high reliability. This journey is referred to as "trusted care."

Within the medical field, this focus is on patients and patient safety. In order to truly care for our patients, we must keep them safe. One of the tenets of trusted care is the duty to speak up, which applies to more than patients, it can apply to caring for all Airmen.

A long time ago, when I was in civilian residency training, I was in

Commander's Commentary

the operating room getting ready to start a case with the attending physician. This physician made a disparaging, misogynistic comment about the patient who was anesthetized on the operating table. Everyone in the room heard this: the scrub nurse, the circulating nurse, the anesthesiologist and myself. Not one of us spoke up. Why?

This was a moral failing on my part. Although I was in a position of being a trainee with this physician's

opinion being a significant part of my rating, I had the duty to speak up. The others in the room did not have the same relationship with this physician, but none of them spoke up. Why? This was the culture at the time. How do you change culture? Culture change starts with leadership and proceeds slowly and deliberately. The AFMS is charged with taking care of patients. Leaders are charged with taking care of subordinates.

Have you created an environment where Airmen are empowered

to speak up? The creation of this environment starts at the top. Do you feel comfortable speaking up to your leadership when you see something that's not right? People do not always think before they say things and clearly words do not always translate into actions, but words matter. Airmen who hear enough discriminatory, sexist, racist and homophobic talk that goes unchecked will clearly not feel they are in an environment where they can speak up. And so goes the culture. So, charge yourself and your Airmen to speak up.

'Thank you for the feedback' when corrected



A few years ago, as a staff sergeant, I thought I was the most experienced

member on one particular honor guard detail charged with providing final honors to a retiree.

Several factors came together to make this a challenging detail, such as having new teammates with little experience, a difficult approach to the grave site and carrying a very heavy, wooden casket. Later, I found myself mentally picking apart every error and after a very quiet ride back to base, I told our team every mistake they made and what a disgrace this detail was to the veteran we were supposed to be honoring.

Afterward, as I was walking to my car, one of the new team members called out to me, "Can I talk to you for

Commentary by Chief Master Sgt. Kimberly Green

60TH AEROSPACE MEDICINE SQUADRON

I screwed up. I missed an opportunity to be a real leader. The real leader in that situation was the senior airman who offered some much needed feedback.

I share this story to illustrate that we

a second? We know we didn't do a great job, but you could have handled that differently."

I was taken aback and reflected for a moment. He was absolutely right. Had I been more mature and disciplined to key in on their nonverbals I would have seen they were already beating themselves up and this was not a time to crush their spirits.

Instead, I should have taken the time to sit down and talk through each movement, discuss what happened and explain how we could do it better next time while sharing advice.

3. Directly identify the root of the issue with "the thing that concerns me most about this is," "the perception is," or "it was inappropriate because."

4. Provide a suggestion for what would be appropriate the next time a similar situation arises or, better yet,

can be quick to criticize and complain about the behavior of others, but how often do we confront the behavior to offer calm, rational thoughts, observations, and facts regarding the situation? Typically, we find it is fear and discomfort that hold us back, so I would like to offer a few tips for starting what could be thought of as a difficult conversation:

1. Request time. This may include getting together for coffee, a walk, lunch or a calendar meeting.

2. Provide a neutral opener to the conversation and lead into the issue with "I noticed," "it was brought to my attention" or "I heard."

And last but not least, if you find yourself on the receiving end of one of these conversations, the correct response is "thank you for the feedback." Fight the urge to get defensive. How else are we going to learn about our blind spots? There is no need for hurt feelings, no

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Tailwind

Travis AFB, Calif. | 60th Air Mobility Wing

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On the cover

Children play on an inflatable slide during the 60th Security Forces Squadron National Night Out Aug. 6 at Travis Air Force Base.

U.S. Air Force photo/Heide Couch

Travis Airmen, 49ers meet at 'Salute'

Senior Airman Christian Conrad
60TH AIR MOBILITY WING PUBLIC AFFAIRS

Under a comfortable bout of balmy, Bay Area breezes, 70 Airmen from Travis AFB descended on Santa Clara's Levi's Stadium July 30 to spend a pre-season training day with the San Francisco 49ers.

The day, billed as a "Salute to Service," was a way for Travis Airmen and other service members to meet some of the National Football League's top stars, as well as give players a chance to rub elbows with military men and women from the U.S.'s five military branches.

Among the Airmen present was Senior Airman Curtis Covington, 60th Security Forces Squadron installation patrolman and California native, who had the opportunity to get up-close and personal with the storied sports franchise he'd spent his childhood idolizing.

"I grew up about an hour north of this stadium in Walnut Creek," Covington said. "I have over a decade of memories seeing this team on TV and going to games. I even remember watching the 49ers play at Candlestick Park back when it was still standing. It's just crazy carrying around that history and then, out of the blue, getting the call to go see them as a member of the Air Force."

Covington joked that upon being invited to the training camp, he took the request to be a hoax rather than a concrete opportunity.

"When my leadership called me asking me to come, I initially thought I was being pranked," he laughed. "Like, 'There has to be a catch, right?' But no. It was legitimately a really fun experience to get to see that story come full circle and see all these players who I



Travis Airmen meet July 30 with members of the San Francisco 49ers at Levi's Stadium in Santa Clara, California.

Courtesy photo/San Francisco 49ers

would've been cheering on and looking up to back when I was a kid to now getting to meet them and shake their hands on equal footing. It makes it all worth it."

But Covington wasn't the only one feeling star-struck. 49ers offensive guard Ben Garland, himself a captain in the Colorado Air National Guard, was

likewise getting the hero vibe from the service members in attendance.

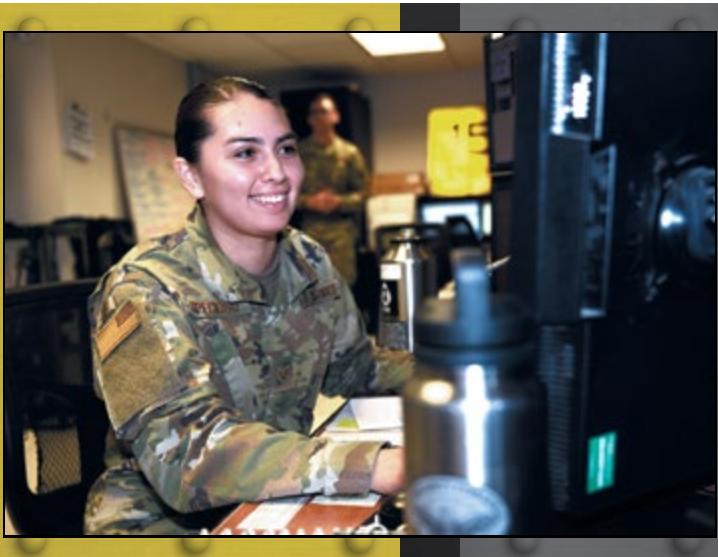
"As a football team, the military is the organization we look to for inspiration," Garland said. "To see the military's hard work and dedication – how they come together as a team to be the best in the world – there's no better organization to try to draw ideas from."

Inviting them out was the least we could do to thank them for all the heroism and sacrifice they give us every day."

Showing appreciation for those in the armed forces is not only important to the 49ers, but to the entire NFL, Garland said. It's something he hopes the

See 49ERS Page 17

WARRIOR OF THE WEEK



Name:
Senior Airman Nora Specioso.

Unit:
60th Security Forces Squadron.

Duty title:
Senior patrolman.

Hometown:
Pinole, California.

Time in service:
Two years.

Family:
Spouse, Senior Airman Michael Specioso.

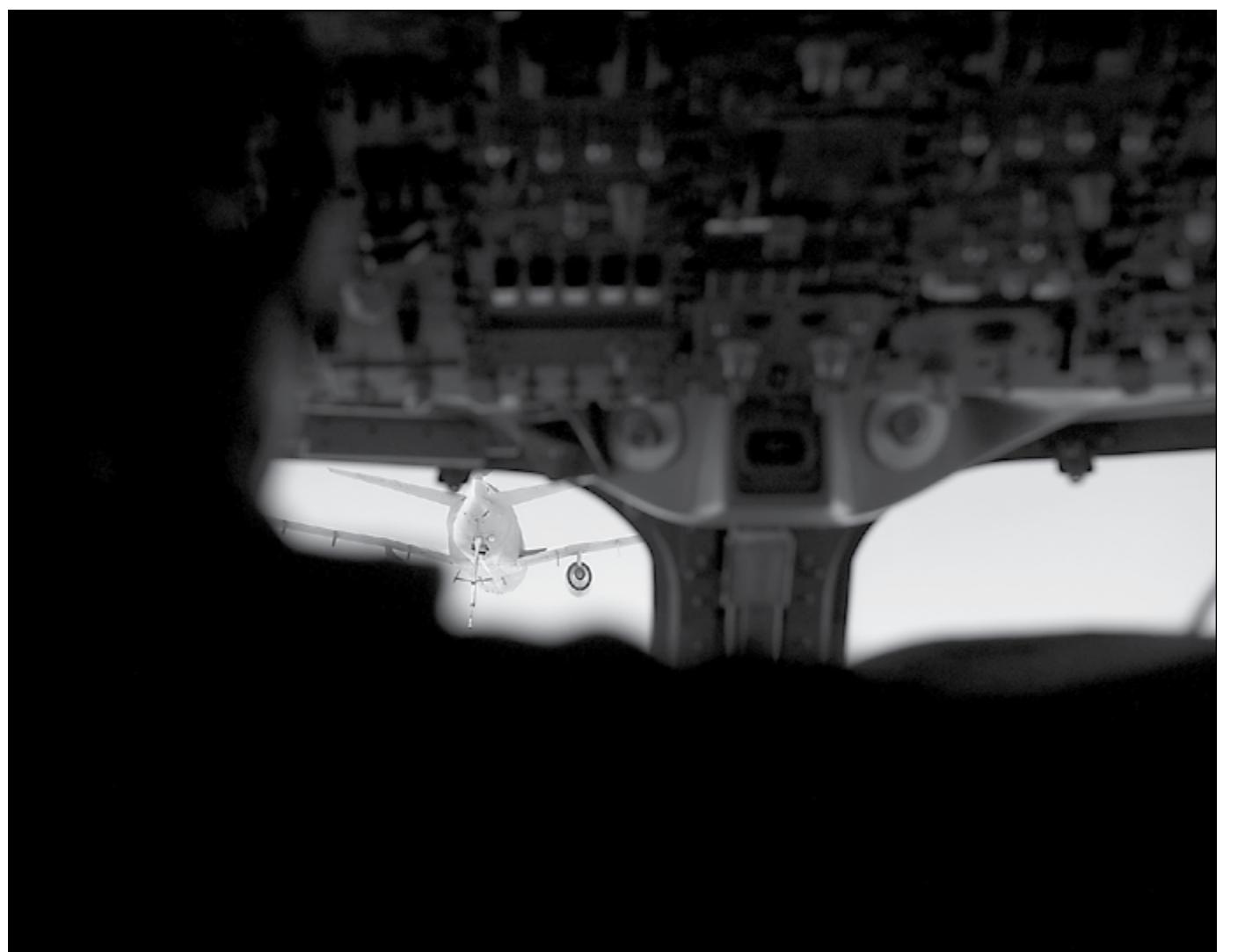
What is your greatest achievement?

Taking control of my finances at a young age. My husband and I will be moving to step 3 of Financial Peace University making us debt free by September. It is also my

going on adventures with my husband.

What are your hobbies?
Hiking, finding new coffee shops,

Travis shows off skills to secretary of defense



Department of Defense photo/U.S. Army Sgt. Amber I. Smith
Secretary of Defense Mark T. Esper and his wife, Leah Esper, watch an in-air refueling of a E-4B Advanced Airborne Command Post by a KC-10 Extender aerial refueling tanker Aug. 2 over the Pacific Ocean. The 60th Air Mobility Wing from Travis Air Force Base, California, supported the refueling.

AMC commander directs temporary removal from service of 123 C-130s

Air Mobility Command Public Affairs

SCOTT AIR FORCE BASE, Ill. — Gen. Maryanne Miller, Air Mobility Command commander, ordered the temporary removal of 123 of 450 Total Force C-130 Hercules from service on Aug. 7, after atypical cracks were discovered on the lower center wing joint, or "rainbow fitting," during

programmed depot maintenance.

In consultation with aircraft maintenance and engineering experts, Gen. Miller directed an immediate time compliance technical order inspection to identify and repair any cracking to ensure airworthiness of these C-130 aircraft. In accordance with the TCTO, in-depth visual and modified non-destructive

inspections of the wing box will be conducted on affected C-130H and J-model aircraft that have not received the extended service life center wing box and have greater than 15,000 equivalent flight hours.

If cracking is identified during the 8-hour inspections, a depot-level replacement of the rainbow fitting will be required. Aircraft that are inspected and determined to

have no cracking will be immediately returned to service. The Air Force takes the safety of its Airmen and aircraft very seriously and is working diligently to identify and repair affected aircraft as soon as possible. At this time, it has been assessed that this temporary removal of service will not impact ongoing C-130 support to overseas contingency operations.

See KIOSKS Page 26

CHPS unveils blood pressure kiosks

Travis Civilian Health Promotion Services

Travis Civilian Health Promotion Services now offers a more convenient way to monitor blood pressure thanks to new touch-screen blood pressure kiosks.

Though not a diagnostic device, the kiosk does provide information on blood pressure, heart rate, weight and BMI.

The kiosks are located at the Fitness Center at 550 Travis Ave., Bldg. 434, in the stretching room or at the 60th Maintenance Squadron at 850 Ragsdale St. in Bldg. 803.

High blood pressure is a common and dangerous condition, often called the "silent killer," with minimal warning signs or symptoms.

About one in three U.S. adults — or about 75 million people — have high blood pressure. Only 54 percent of these people have their high blood pressure under control, according to the Centers for Disease Control and Prevention.

Blood pressure is the force of blood pushing against the walls of arteries as they carry blood from the heart to other parts of the body. While blood pressure normally rises and falls throughout the day, health problems such as heart disease and stroke can arise if it stays high for a long time.

There are many steps you can take to help prevent high blood pressure, such as:

- Eating a healthy diet.
- Maintaining a healthy weight.
- Getting enough physical activity.

See KIOSKS Page 26

Back-to-school event provides 'cool looks'

Lorraine Harris-Ortega
ARMY & AIR FORCE EXCHANGE SERVICE
PUBLIC AFFAIRS

The Army & Air Force Exchange Service is making it easy to find finishing touches for back-to-school season with the Cool School Look event on Aug. 17.

During the event, military service members can try beauty products, participate in workshops and store giveaways, as well as save \$5 on a \$30 purchase of skin care, fragrances or cosmetics.

Military Star cardholders can get an even sweeter deal with \$15 off a \$60 Military Star card purchase.

"The Travis Army and Air Force Exchange is ready to

help returning students find the look that will make their first day special," said Phonda Bishop, Exchange general manager. "With this event, shoppers save when stocking up on products they need, from primer to moisturizer to signature scent."

Shoppers must present the coupon from the weekly sales flyer or ShopMyExchange.com at the register to receive the discounts. The coupon can also be applied at Exchange-operated MAC stores and online at ShopMyExchange.com.

The Military Star card is administered by the Army & Air Force Exchange Service and is accepted at all military exchanges and commissaries.

For more information, visit MyECP.com.

Dawn of school year brings Exchange deals

Lorraine Harris-Ortega
ARMY & AIR FORCE EXCHANGE SERVICE
PUBLIC AFFAIRS

with Military Star and automatically earn a \$20 rewards card for every 2,000 points. In 2018, shoppers earned \$34.6 million in Military Star rewards cards.

Other benefits of the Military Star card include:

- The lowest flat-rate APR (12.49 percent) among store cards. The rate is offered to all cardholders upon account approval.
- No annual, late or over-limit fees.
- Reduced-interest deployment plan with no payments required for eligible customers.

During this time, Travis Army and Air Force Exchange shoppers will receive 15 percent off all their first day's purchases instead of the 10 percent discount regularly offered.

The discount will appear as a credit on the first monthly billing statement.

"Signing up for a Military Star card is a great way for military families to save during back-to-school season," said Phonda Bishop, Exchange general manager. "The card saves shoppers money year-round with special promotions and rewards."

The Military Star card is administered by the Army & Air Force Exchange Service and is accepted at all military exchanges and commissaries.

For more information, visit MyECP.com.

CyberLOG's safe word for medical devices, equipment

Military Health System Communications Office

Cybersecurity for medical devices and equipment was the focus of breakout sessions Aug. 1 at the 2019 Defense Health Information Technology Symposium, or DHITS.

The theme of this year's event, sponsored by the Defense Health Agency, was "One Team, One Mission — Enabling MHS Transformation."

Air Force Maj. Jeffrey Barnes, chief medical information officer for DHA Medical Logistics, and Army Capt. Louis Weldon, information management officer, spoke about "RMF and Medical Devices: The New CyberLOG." They explained progress toward standing up a center of excellence to unify cybersecurity efforts for medical devices and equipment. It will plan, implement, and sustain medical device and equipment security across the Military Health System enterprise, they said.

Barnes is coordinating the transition of DHA medical logistics as well as the medical



Air Force Maj. Jeffrey Barnes, center, chief medical information officer for Defense Health Agency Medical Logistics, is coordinating the transition of DHA medical logistics as well as the medical device Risk Management Framework.

foremost in their mind is that patient safety, privacy, and security are never jeopardized.

Barnes described a strategy that involves standardization, integration, and transparency. "Each service has its own good process," he said. "But blending them together can be a challenge. We'll start getting away from all these silos of repeating requirements. We can bring them in together and really look at them."

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C-17 celebrates 20 years of excellence, airpower



The C-17 West Coast Demo Team flies above the first C-17 Globemaster III delivered to McChord Field during a rededication ceremony celebrating the 20th anniversary of C-17 Globemaster IIIs at McChord Field, July 26, at Joint Base Lewis-McChord, Wash. The first C-17 is still operational and flying missions out of McChord Field.

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Airman 1st Class Sara Hoerichs
62ND AIRLIFT WING PUBLIC AFFAIRS

JOINT BASE LEWIS-MCCHORD, Wash. — Team McChord honored the 20th anniversary of the first C-17 Globemaster III delivered to McChord Field, Washington, with a rededication ceremony on July 26.

The ceremony featured retired Maj. Gen Donald Brown, former 62nd Airlift Wing commander, Mark Angello, vice president of C-17 Services at Boeing Company, and Col. Scovill Currin, 62nd Airlift Wing commander. They highlighted the story behind the making of the C-17 and what makes it such an extraordinary aircraft.

Since the first C-17 was delivered to McChord Field, the aircraft, tail emblazoned with Mt. Rainier on a green field, has influenced the installation's purpose, global reach and culture.

"This green tail flash you see has struck fear in the hearts of Al Qaeda, ISIS, and the Taliban," said Col. Scovill Currin, 62nd Airlift Wing commander.

"This tail flash sends a clear and present signal that there is no safe haven for those who wish us harm. This same tail flash has provided hope and support for our friends and loved ones. To

the citizens of New Orleans after Hurricane Katrina, a tsunami in American Samoa, and an earthquake in Pakistan, this tail flash has meant the difference between life and death."

Hours of planning, labor and expertise from across the Department of Defense and civilian designers resulted in an aircraft uniquely capable of meeting the demands of the modern world.

"You just can't ask for anything that flies any smoother or lands any more perfectly - it's just an awesome piece of equipment," said Charles Thornton, 627th Security Forces Squadron joint operations officer.

Though combat airlift is the primary mission, combat isn't the only thing the C-17 can do.

"The people here understand the mission of this aircraft, which is several different missions, and that's what I love about it," said Cary Hatzinger, 62nd Maintenance Group superintendent of aircraft maintenance scheduling.

"We have a humanitarian mission, a combat mission, a transportation mission, and a prime nuclear airlift force mission and they're all equally important. But when you have something that you can use on

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Support group provides hope for survivors

Airman 1st Class Jayden Ford
19TH AIRLIFT WING PUBLIC AFFAIRS

LITTLE ROCK AIR FORCE BASE, Ark. — Team Little Rock members have a variety of options to foster their emotional and mental health. For those looking to connect with others, while learning healthy coping methods, they now have a new way they can seek out care and support.

Little Rock Air Force Base's Sexual Assault Prevention and Response team created an anonymous support group which provides resources to give people hope and help them cope with traumatic events that have taken place in their lives. The group offers material to people who attend that could be useful in their healing process.

"We act as facilitators, not counselors, and we present topics that are important to most victims or that affect their lives," said Tiffany Clark, 19th Airlift Wing SAPR victim's advocate. "We provide coping skills that they can learn and use to create their own path to recovery."

The meetings rotate through a multiple-step process encompassing many aspects of attaining the resolution one needs after a traumatic incident. The material is restarted upon completion of all the lessons allowing for members of the group to come and go when it's beneficial for them.

"We rotate through the 12 sessions so you can come in at any time, and leave at any time," said Linda Benjamin, 19th AW SAPR coordinator. "You don't have to start or stop

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Clinics, patients turn to hyperbaric medicine

Tech. Sgt. Katherine Spessa
59TH MEDICAL WING

BROOKE ARMY MEDICAL CENTER, Texas — "We call it the fog. It's like they've been awake for a few days straight," said Col. (Dr.) Michael Richards, 59th Medical Specialty Squadron Undersea and Hyperbaric Medicine section chief.

"His wife had to finish his sentences. He could no longer take care of himself, really. He couldn't manage his finances, he couldn't drive, he couldn't take care of his children. He couldn't make decisions, even on small things like choosing what kind of milk to buy at the grocery store."

For this patient, a fighter pilot, suffering from arterial gas embolism, a condition that causes gas bubbles to enter the blood stream and prevent blood flow, "the fog" was a career ender. Or would have been without the use of hyperbaric medicine.

When treatment after treatment weren't having an effect on his mental disorientation, he turned to the hyperbaric medicine unit at Brooke Army Medical Center. After 60 sessions, he has regained the acuity needed to return to the air.

"We brought this patient from the east coast and after about three months of treatment, he left here a completely different person," Richards said. "That was really gratifying for us, because he really had no other options and we were able to turn him back into the person he was before."

"His father called me in tears."

As one of two hyperbaric chamber facilities in the Air Force, this one at BAMC gets referrals from throughout the Defense Department, as well as from civilian trauma and burn centers in the San Antonio area. The physicians,



Gennette Jones, a hyperbaric patient, wears an oxygen hood inside a hyperbaric chamber May 31 at Brooke Army Medical Center, Texas. Typical hyperbaric patients suffer from post-radiation injuries; decompression sickness; arterial gas embolism; chronic wounds; diabetics who have end-organ disease and poor circulation; sensory hearing loss; and burns.

nurses and technicians there treat typical hyperbaric patients suffering from post-radiation injuries; decompression sickness; arterial gas embolism; chronic wounds; diabetics with end-organ disease and poor circulation; sensory hearing loss; burn patients and more.

"For example, for carbon monoxide poisoning, [patients] can get treatment under hyperbaric conditions with oxygen to drive off that carbon monoxide," said Lt. Col. William Hayes, 59th MDSS Undersea and Hyperbaric Medicine flight commander. "Within 24 minutes they can have normal carbon

monoxide levels again - better than normal. With arterial gas embolism or decompression sickness, they can get treatment and be resolved less than 24 hours after the incident."

They've also begun treating other patients who may not fit the bill but may benefit from the therapy - with success.

Hayes described one patient suffering from necrotizing, or dying, flesh on the ends of his fingers. The motorcycle rider was experiencing such pain that he couldn't use his hands.

"It wasn't something typically treated using

hyperbarics, but the mechanism behind what he had is something that we've seen respond to hyperbaric treatment," Hayes said. "So we thought - let's give it a shot."

After several treatments, the patient had a complete resolution.

As the word gets out about the benefit hyperbarics offers to patients, the clinic gets busier and busier. The clinic has begun partnering with dermatology, rheumatology, orthopedic surgery, and infectious disease, just to name a few, adding a tool to aid patients in addition to any treatment they're already receiving.

"It blows me away, the technology, but more than that the humanity. I've broken down a couple of times, it's just so overwhelming. When they take care of you it's from the heart, it's real."

Methods used to control critters

Military Health System Communications Office

Mosquitoes aren't just annoying at summer barbecues. In many parts of the world, they carry pathogens for Zika, dengue, yellow fever and the most devastating of mosquito-borne diseases, malaria.

According to the Centers for Disease Control and Prevention, 440,000 people died in sub-Saharan Africa in 2016 from malaria, contracted from the bite of infected female Anopheles mosquitoes.

Malaria causes severe chills, high fever, profuse sweating, and other flu-like symptoms, and if left untreated, can lead to death. Protecting U.S. military personnel who continue to serve in this part of world is critical.

The Department of Defense Armed Forces Pest Management Board has curated various personal protective repellent systems for deployed service members: permethrin-treated uniforms, application of insect repellants such as DEET and Picaridin, permethrin-impregnated bed nets, and prescribed antimalarial medication. They also oversee the Deployed Warfighter Protection Research Program that studies how to mitigate a variety of insect threats to military personnel.

While chemical mosquito population control measures have been used with some degree of success, they are toxic to other insect populations and to the health of humans. A different angle of defense has emerged, which is genetic modification of the mosquito itself, making it transgenic. Transgenic mosquitoes are unable to transmit a pathogen, such as malaria, due to their altered genetic makeup.

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AFWERX Fusion drives collaboration

Staff Sgt. Jordyn Fetter
AFWERX

LAS VEGAS — The collisions that are common in the private sector are few and far between for Airmen and other military members who are increasingly looking for ways to advance their branch's capabilities.

To better foster a culture of collaboration and innovation within the Air Force, AFWERX Fusion brought more than 1,200 people from business, military and academia as well as close to 120 Multi-Domain Operations Challenge teams and companies together under one roof July 23-24.

"We're here to build, not only technologies, but to build out those relationships and that ecosystem so that we can secure our nation's future," said Dr. Brian Maue, AFWERX CEO. "What history suggests is, if people are given a creative environment and a safe place to experiment with new ideas, amazing innovations can happen."

As AFWERX's flagship event, Fusion entices participation from various organizations, sectors and missions to listen to speakers and



U.S. Air Force photo/Bridget Bennett
An exhibitor demonstrates his multi-domain operations-related product for an attendee during the AFWERX Fusion event on July 23 in Las Vegas. The annual event featured speakers, panels and product showcases focused on solving Air Force challenges with existing commercial products and concepts.

panelists, share ideas and collaborate on the spotlight AFWERX challenge of the year.

A total of 317 teams initially submitted to this year's focus, the MDO Challenge, and 100 were invited to AFWERX Fusion along with 20 Small

Business Innovation Research contract recipients. Following judging during the event, 30 teams were selected to attend the demonstration day scheduled Sept. 10-12 at the AFWERX Vegas Hub.

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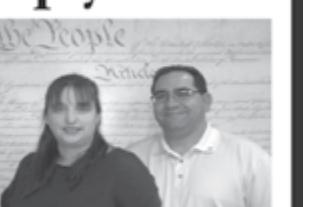
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Retired MWDs looking for families, homes



Courtesy photo
Robert Klesges, who is looking to adopt a military working dog, meets with Sofi, June 26, at Joint Base San Antonio-Lackland, Texas. Thousands of MWDs are stationed around the world placing themselves in harm's way detecting bombs, land mines and subduing threatening people; all in the name of keeping Americans safe.

Mary Nell Sanchez
502ND AIR BASE WING PUBLIC AFFAIRS

JOINT BASE SAN ANTONIO-LACKLAND, Texas — Fida served her country for almost five years as a military working dog. During the German shepherd's career, the European-born canine served as a combat tracker for the Marines and worked in detection training at Joint Base San Antonio-Lackland before medically retiring in 2013.

Thousands of MWDs are stationed around the world placing themselves in harm's way detecting bombs, land mines and subduing threatening people; all in the name of keeping Americans safe.

When it was time for Fida to retire, Robert Klesges stepped up to the plate to adopt her. He returned to JBSA-Lackland in June 2019 to meet up with Jerry Britt, 37th Training Wing MWD dispositions coordinator.

"She was almost like a human with fur; she was that smart," Klesges said. "She deserved to be treated like a queen."

During her time with

Klesges, Fida loved walks in parks and playing with children.

"She was the sweetest thing in the world," Klesges said. "Fida was a child magnet."

During one outing, Klesges recalled another dog trying to attack him and Fida sprang into action to protect him. Once the incident was over, he said Fida wanted to go and play with children again.

A veterinarian told Klesges Fida would live about two more years before her body simply wore out, but the retired four-legged warrior instead remained an important member of Klesges' family for almost five additional years.

Fida crossed the rainbow bridge earlier this year and Klesges decided to adopt another MWD to honor her. He returned to JBSA-Lackland in June 2019 to meet up with Jerry Britt, 37th Training Wing MWD dispositions coordinator.

"You get the satisfaction of

See MWDS Page 22

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Sergeants gather for summit

Staff Sgt. Anthony Agosti
18TH WING PUBLIC AFFAIRS

MCGHEE TYSON AIR NATIONAL GUARD BASE, Tenn. — Shortly after he assumed command, Air Force Chief of Staff Gen. David Goldfein, who has made squadron revitalization one of his top priorities, said, "Leaders have a sacred charge: to take care of people so those people can take care of the mission Your duty as a leader is to work tirelessly to clear obstacles between your people and their mission."

More than 210 first sergeants from across the Air Force did their part to aid the CSAF's squadron revitalization effort, as they gathered at the I.G. Brown Training and Education Center at McGhee Tyson Air National Guard Base in Louisville, Tennessee, July 21-27, for a summit and symposium to become better leaders of Airmen.

Leaders and functional managers from across the first sergeant community presented over the course of the week to better inform, train and prepare the first sergeants in the field.

"The first sergeant really is a lynchpin for health, morale and welfare of the unit," said Chief Master Sgt. Casy Boomershine, Air Mobility Command first sergeant functional manager. "That's right in their wheelhouse; that's exactly what they're concerned about."

The summit, which was organized by three Tennessee Air National Guard wings, is in its fifth year. The importance of communication was a common theme throughout.

"The chief master sergeant of the Air Force has a mantra of always telling folks to squint with their ears, so you'll understand that all of our Airmen are dealing with

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AFSPC unveils enterprise data strategy

1st Lt. Noah Emerson
AIR FORCE SPACE COMMAND
PUBLIC AFFAIRS

PETERSON AIR FORCE BASE, Colo. — Air Force Space Command unveiled its new enterprise data strategy during the AFSPC Chief Data Office Innovation Summit, at Peterson Air Force Base, July 30-31.

The command's enterprise data strategy will provide the means to ensure greater mission success. It is a framework that integrates space enterprise data sources into a common, resilient and agile architecture optimized for space domain awareness and responsive multi-domain operations at speed and scale.

"The strategy is a plan for next generation data management that will energize AFSPC's warfighting ability," said Gen. Jay Raymond, AFSPC commander. "Decisions and actions are all based on analyses of data and the better that data is the more effective are our actions."

Maj. Gen. Kimberly Crider, mobilization assistant to the AFSPC commander and Dr. Mark Brady, AFSPC chief data officer, hosted the summit. Attendees included representatives



U.S. Air Force photo/Staff Sgt. Dennis Hoffman
Maj. Gen. Kimberly Crider, mobilization assistant to the Air Force Space Command commander, gives the keynote speech July 30 at the AFSPC Chief Data Office Innovation Summit at Headquarters AFSPC. AFSPC held the event to unveil the command's new enterprise data strategy, its construct, why it is needed and how it will make U.S. and Allied warfighters more agile and lethal.

of the data strategy, why it is needed and how it will make U.S. and allied warfighters more agile and lethal. Attendees included representatives

from NASA, U.S. Strategic Command, Pacific Air Forces, Air Combat Command, the Department of State, National Reconnaissance Office, Defense Information Systems Agency, Air Force Tactical Exploitation of National Capabilities and the many

See DATA Page 19

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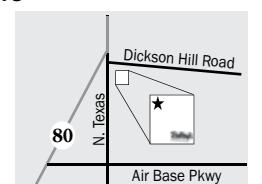
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F-35A flies first sortie after five hours

Micah Garbarino
388TH FIGHTER WING PUBLIC AFFAIRS

HILL AIR FORCE BASE, Utah — The 388th Fighter Wing set a speed record for bringing online a newly delivered aircraft last week, flying a local sortie less than five hours after accepting delivery of its 68th F-35A Lightning II.

Aircraft tail number 5261 left Lockheed Martin's Fort Worth, Texas, production facility a little after 8 a.m. Aug. 1, landed at Hill Air Force Base at 10 a.m., and by 3 p.m. had taken off on its first combat training mission.

"The F-35A program's production and delivery plan was designed to allow rapid aircraft induction and quick use by the customers," said Col. Michael Miles, 388th Maintenance Group commander. "We've shown the enterprise it's possible."

This isn't just a "gee-whiz" record. In theory, it means that F-35As could be deployed directly from the factory into combat if a large-scale conflict ever drives that need, Miles said.

When a new F-35A comes off the line at the production facility, it undergoes several contract and government



U.S. Air Force photo/Cynthia Griggs

An F-35A Lightning II flies Nov. 19, 2018, over Hill Air Force Base, Utah.

check flights before the Air Force accepts final delivery. These flights generate data points that are collected in the Autonomic Logistics Information System and then passed on to the gaining unit, in this case the 388th FW.

The previous timeline for inducting new aircraft was

measured in days and weeks, but process and system improvements in the data collection and transfer process bodes well for the future, said Chief Master Sgt. Trey Munn, 388th Maintenance Group chief enlisted manager.

"We've been working toward this goal as the program

Digital Hangar retains data

Bryan Ripple
88TH AIR BASE WING PUBLIC AFFAIRS

WRIGHT-PATTERSON AIR FORCE BASE, Ohio — There is a new hangar under construction at Wright-Patterson Air Force Base, but this will be made of digital ones and zeros rather than steel and concrete.

The Air Force Research Laboratory's "Digital Hangar," a concept created by Dr. Rick Graves, an Air Force Research Laboratory's design and analysis branch aerospace research engineer, is a virtual repository containing digital surrogates of aerospace systems that have been gated through rigorous validation and verification processes.

One goal of the effort, Graves says, is to research and identify high-value data that need to be maintained, or curated, to produce an enduring set of digital artifacts for aerospace platforms that can be shared with other AFRL researchers, Air Force Service Program offices and other agencies such as NASA.

Creation and curation of the Digital Hangar is part of a Department of Defense Digital Engineering initiative that began in June 2018, with the publication of a Digital Engineering Strategy that explains how DoD hopes to transform how the services design, develop, deliver, operate and sustain systems. To read the strategy, visit https://www.acq.osd.mil/se/initiatives/init_de.html.

The strategy defines digital engineering as an integrated digital approach that uses authoritative sources of system

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60th Security Forces Squadron recognizes National Night Out



U.S. Air Force photos/Heide Couch



1) Senior Airman Alexa Ammerman, 60th Security Forces Squadron military working dog handler, runs with Aaraphao during the 60th SFS National Night Out Aug. 6 at Travis Air Force Base. National Night Out is an annual community-building campaign that promotes police-community partnerships and neighborhood camaraderie. The event included a demonstration by military working dogs, live music and a variety of activities for children. 2) Children play a game during National Night Out. 3) Lt. Col. David Temple, 60th SFS commander, delivers opening remarks during National Night Out. 4) McGruff the Crime Dog pauses to take a picture with Team Travis community members during National Night Out. 5) Senior Airman Isaiah Johnson, 60th SFS installation patrolman, is dumped into a dunk tank during the National Night Out. 6) Daria jumps into a vehicle to apprehend a mock suspect during National Night Out.



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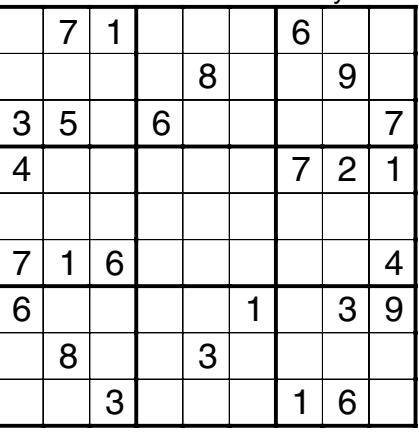


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No. 450 Very Hard



The solutions will be published here in the next issue.

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Retiree Corner

Prevent mosquito-borne illness in US, overseas

Did you know that there are more than 3,000 species of mosquitoes worldwide?

Mosquitoes can spread dangerous diseases no matter where you are. Here are some ways that you can prevent mosquito bites and reduce your chances of getting sick:

— TRICARE.mil Staff

• Wear long sleeves and pants when exploring outdoors, especially at night.

• Use an insect repellent that's registered with the Environmental Protection Agency. Be sure to follow the product label instructions and reapply as directed.

• Sleep in an air-conditioned or well-screened room.

— TRICARE.mil Staff

News Notes

Prescription update. Starting Aug. 26 all off-base prescriptions will be processed at the Base Exchange Pharmacy.

Sidewalk Sale. 9 a.m. to 5 p.m. Sept. 5-8 at the Travis Commissary. Come enjoy savings up to 50 percent off regular retail price, on a variety of products. The sale will take place inside the warehouse of the commissary.

• Protestant Women of the Chapel: 9:30 to 11 a.m. Tuesday.

DGMC Chapel

• Protestant Traditional Service: 10 to 11 a.m. Sunday.

Airmen's Ministry Center

• The Peak is open from 5:30 p.m. to 9 p.m. Monday through Friday at Bldg. 1348. Home-cooked meal from 6:30 p.m. to 7:30 p.m. Tuesdays followed by Bible study.



For more information about chapel programs, call Twin Peaks Chapel at 707-424-3217.

counseling for teens and young adults. Text 741-741 anywhere in the United States and a live, trained crisis counselor responds quickly.

Employee-Vehicle Certification and Reporting System. Civilian and military personnel must maintain emissions information with the Web-based ECARS system. For more information, call Xuyen Lieu at 707-424-5103.

Exceptional Family Member Program

Sensory Play Group. This group meets from 2 to 4 p.m. the second and fourth Wednesdays at the Balfour Beatty Community Center. For more information, call 707-424-4342 or visit the Facebook page "EFMP Travis AFB."

Family Advocacy Parent/Child play groups. Toddlers to the Max play group for children ages 1 to 3 meets from 9:30 to 11 a.m. Wednesdays at the First Street Chapel Annex. The Rattles to Raspberries play group for infants 8 weeks to 1 year meets 9:30 to 11 a.m. Thursdays at the First Street Chapel Annex. For more information, call 707-424-5165.

Family and Friends Combat Stress Peer Support Group. Meets from noon to 1 p.m. the first Tuesday of each month at the Delta Breeze Club. For more information, call Mark Raymond at 707-416-5331.

Air Force Office of Special Investigations. To report a crime, get a foreign travel brief or request information on joining AFOSI, report to Bldg. 380B, second floor. Send correspondence to AFOSI Detachment 303, 510 Airlift CR, Travis AFB, 94535. For more information, call 707-424-3115 or DSN: 837-3115.

Air Force Recruiting Office. Now open at the Solano Town Center mall. Learn more about what the Air Force has to offer, such as up to 100-percent tuition assistance, 30 days paid vacation per year, free medical and dental care, tax-free housing and food allowance and much more. Contact Tech. Sgt. George Yardley at 707-889-3088 or stop by the office located at 1350 Travis Blvd., Suite P2, Fairfield, in the Solano mall.

Air Force Composite Squadron 22 Civil Air Patrol. Open to youth from 12 to 18, as well as adults ages 18 or older who train and serve as the volunteer component of the total force. UTA is 6:30 to 9 p.m. Monday, Bldg. 241-B-2. Open to all students with a 2.0 or higher grade-point average. And must be completed online with 2D barcode at website <https://pptform.state.gov/> and/or <https://travel.state.gov/>. For more information, call 707-424-3905.

Air Force Sergeants Association "Walter E. Scott" Chapter 1320. General membership meetings are at 2 p.m. on the second Friday of each month at Wingman's in the Delta Breeze Club and include a free breakfast. For more information, contact Master Sgt. Reynaldo Rios or Master Sgt. Rosel Agapay.

Airmen's Attic. The Airmen's Attic is open from 10 a.m. to 2 p.m. Tuesday and Thursday and 4 to 6 p.m. Wednesday, 560 Hickam Ave. For more information, call 707-424-8740 or visit the Facebook page "The Attic at Travis AFB."

Hometown News Releases. To submit a Hometown News Release, visit <https://jhns.release.dma.mil/public> and fill out the information.

Travis Air Force Base Heritage Center. Open 10 a.m. to 5 p.m. Tuesday through Saturday, Building 80, 461 Burgan Blvd., Travis Air Force Base. Escorts required for general public, call center to arrange. Free. 424-5598, travisairforcebaseheritagecenter.org.

Travis Legal Office. Power of attorney and notaries are walk-ins 9 a.m. to 2 p.m. Monday, Tuesday, Wednesday and Friday, 9 a.m. to 1 p.m. Thursday. Legal assistance for active duty members and dependents are walk-ins 707-424-3683.

Base emergency numbers. Mobile phone users must dial 707-424-4911 if they have an emergency on base. Those using government or home phones can call 911. For more information, call the Travis Air Force Base Fire Prevention Office at 707-424-3683.

Base illicit discharge number. To report sewage/water leaks or illegal dumping, call 707-424-2575. For hazardous chemical/material spills, call the base emergency numbers.

Civilian Health Promotion Services. Will perform free wellness screenings from 7:30 to 9:30 a.m. every Monday for all DoD federal civilians.

Screenings include cholesterol, glucose, blood pressure and body composition analysis. For more information, visit www.AFMCwellness.com or contact CHPS at 707-424-CHPS or CHPSTravis@fob.hhs.gov.

On-base child care. The Air Force requires on-base residents to be licensed by the 60th Mission Support Group if they provide more than 10 hours of care per week in their homes. For more information, call 707-424-8104 or 707-424-4596 or stop by Bldg. 380B.

Twin Peaks Chapel

Crisis text line. Free, confidential, 24/7

Recurring events

Catholic
Twin Peaks Chapel

• Roman Catholic Mass: 9 a.m. and noon Sunday.

• Children's Church: 10:15 a.m. Sunday.

• Sacrament of Reconciliation/Confession: 4:30 to 5:30 p.m. Wednesday or upon appointment.

• Infant Baptism Prep Class: Two classes. Registration required. 6 to 7 p.m., quarterly.

• Youth Choir: 1 p.m. Sunday.

• Children's Choir: 2 p.m. Sunday.

• Adult Choir: 4 p.m. Sunday.

• Women's Bible Study: 10 a.m. (at First Street Chapel).

• Catholic Women of the Chapel: 6 p.m. first Monday of every month, Annex.

• Rite of Christian Initiation of Adults: 6 to 7:30 p.m. Wednesday, Annex.

• RE Classes: 10:15 to 11:30 a.m. Sunday, RE Wing.

First Street Chapel

• Mom's Group: 9 to 11:30 a.m. Thursday and Friday.

DGMC Chapel

• Roman Catholic Mass: Noon to 12:35 p.m. Monday through Thursday, except for federal holidays.

The Church of Jesus Christ of Latter-day Saints

• Sacrament services: 9 and noon Sunday at Church of Jesus Christ of Latter-day Saints Fairfield Stake Center, 2700 Camrose Ave., Fairfield.

DGMG Chapel

• Latter-day Saints Service: 4 to 4:30 p.m. Sunday at DGMG Medical Center Chapel.

• For all other inquiries, call LDS Military relations representatives at 707-535-6979.

Protestant

First Street Chapel

• Protestant Community Service: 9:30 to 10:30 a.m. Sunday.

• Gospel Worship Service: 11:30 a.m. to 12:30 p.m. Sunday.

• Children's Ministry is provided for 6-month-olds through fifth grade.

• Protestant Men of the Chapel, 6-8 p.m. every second and third Tuesday of the month at First Street Chapel Annex, vice 8-9 a.m. first Saturday of the month.

• Moms group, Jesus Cares ministry, EFMP children's ministry, 4:30-6:30 p.m., every third Saturday of the month at First Street Chapel Annex.

Twin Peaks Chapel

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Recurring

Air Force Office of Special Investigations.

To report a crime, get a foreign travel brief or request information on joining AFOSI, report to Bldg. 380B, second floor. Send correspondence to AFOSI Detachment 303, 510 Airlift CR, Travis AFB, 94535. For more information, call 707-424-3115 or DSN: 837-3115.

Retiree Activities Office. Openings for volunteers. Customers are retired American service members and their family members. It is the RAO's responsibility to maintain open communication and to ensure retirees receive the service and the respect they deserve. If you would like to apply for a volunteer slot and have three hours or more to give, call 707-424-3905.

Solano/Napa Habitat for Humanity. This organization welcomes volunteers and supporters from all backgrounds. There are recurring events Tuesday through Saturday. For more information, email Staff Sgt. Mathew Clayton at mathew.clayton@us.af.mil.

Government no-fee passports. All submissions of applications for government no-fee passports must now include: 1) A photocopy of Military Identification Card front and back; 2) Passport photo taken in the past six months; 3) Supporting document(s), proof of U.S. citizenship certified copy with state or county seal, if it involved a name change submit a court order or marriage certificate. Passport application cannot be handwritten and printed back to back and must be completed online with 2D barcode at website <https://pptform.state.gov/> and/or <https://travel.state.gov/>. For more information, contact CAP 1st Lt. Jo Nash at 707-424-3996 or recruiting@squadron22-cap.us, visit during a UTA or check out squadron22-cap.us.

Travis Community Thrift Shop. 10 a.m. to 2 p.m. Tuesday and Thursday. Ongoing need for volunteers to organize, sort and price donations. For more information, contact the Thrift Shop at 707-437-2370.

Travis Composite Squadron 22 Civil Air Patrol. Open to youth from 12 to 18, as well as adults ages 18 or older who train and serve as the volunteer component of the total force. UTA is 6:30 to 9 p.m. Monday, Bldg. 241-B-2. Open to all students with a 2.0 or higher grade-point average. And must be completed online with 2D barcode at website <https://pptform.state.gov/> and/or <https://travel.state.gov/>. For more information, call 707-424-1720.

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AUGUST 9, 2019

Digital

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data and models as a continuum across disciplines to support lifecycle activities from concept through disposal.

AFRL continues to develop the Digital Hangar, which will eventually house high-value design information for digital representations of Air Force aerospace systems that will inform decision-making within AFRL and other stakeholder organizations.

The Digital Hangar is focused on the design and analysis phase of the acquisition life cycle, Graves said.

"It's a lot cheaper to address problems or to look at physics-based questions through simulation as a project moves up the scale to ground testing or even a flight test, where it becomes more and more expensive," he said. "We want to know what types of information we should be generating and using to make decisions during early design phases because that's where a lot of the costs for an aircraft get locked in. We want to know what types of information we should be gathering over the life cycle of the airplane. The idea is to identify what data is worth keeping, and reuse that data."

It's a good idea to give decision makers the options to explore concept development through digital means rather than going all the way to flight tests, Graves said, adding, "to look at preliminary concepts in terms of transitioning

technology is something we really like to look at as early as we can. This helps us transition our technology more efficiently."

Graves said he and other researchers plan to add new aerospace systems to AFRL's Digital Hangar strategically, based on a set of rigorous validation and verification criteria.

"We are taking a few candidate test cases and maturing those to see how it looks and is received. It really isn't just a digital description of a model – it's all the data that goes along with that model," Graves said.

With a background in sensitivity analysis and uncertainty quantification, Graves says he has long had interests in data science, data engineering and machine learning. As a graduate student, he was employed by the National Center for Atmospheric Research in Boulder, Colorado, and was exposed to uncertainties associated with forecasting weather events. He hopes to apply these concepts and required skill sets to benefit AFRL.

AFRL's Digital Hangar is an exciting area for young professionals who are interested in working for AFRL, according to Graves.

"We are defining what the digital transformation for AFRL is going to look like in the next 10 years. This is a time for new ideas and new approaches," he said. "We are looking at an area where we as scientists and engineers are trying to get the people who are accepting the technology we are developing to embrace more risk. The organizations we deliver technology to may be risk adverse."

49ers

From Page 3

day's events were able to convey to all the military who came out to see the practice.

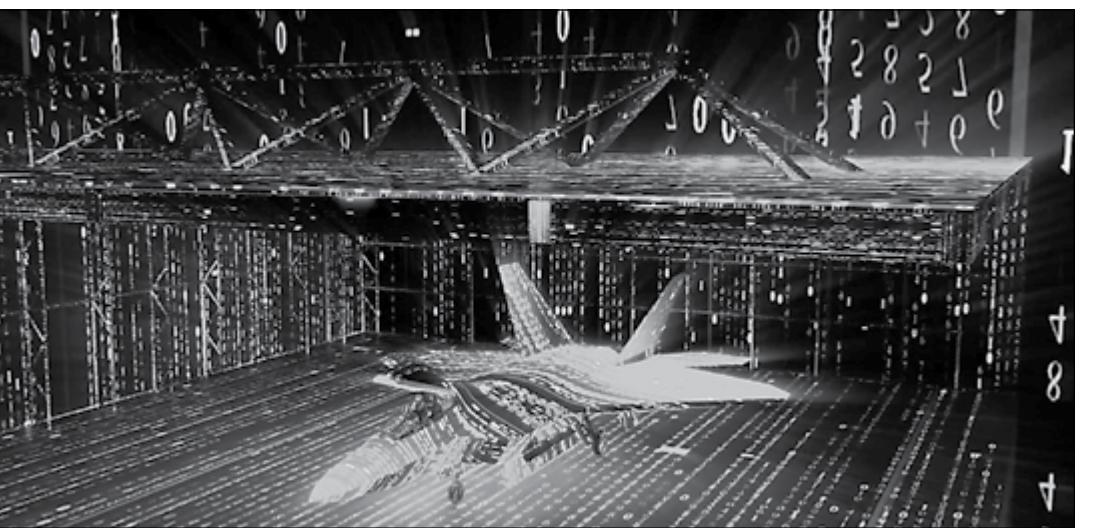
"It's my favorite thing getting to have the military come out and spend time talking and taking photos with them," Garland said. "But it's two-fold, too. If there's one thing I hope our service members walk away with, it's that even though they might've seen today as their chance to meet us, we also saw today as our chance to meet them."

The feeling of the proverbial

shoe being on the other foot in regard to one's childhood heroes is pretty surreal, Covington said, but it's also a feeling that makes those days lugging around 60 pounds of gear in triple-digit heat a little easier.

At least for now, Covington is simply content with the bliss of it all.

"It's just been a really great experience," he said. "I'd have to invent a completely new language to accurately communicate what the day has me feeling like, but what I can say right now is how thankful I am for what this day's given me, not just as an Airman, but also as a lifelong 49ers fan."



U.S. Air Force illustration/Kenneth McNulty

One goal of the Air Force Research Laboratory's Digital Hangar effort is to research and identify high-value data that need to be maintained, or curated, to produce an enduring set of digital artifacts for aerospace platforms that can be shared with other AFRL researchers, Air Force Service Program Offices and other agencies such as NASA.

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Data

From Page 11

organizations within AFSPC.

Crider, who served as the Air Force's first chief data officer, highlighted the AFSPC chief data office and all it has accomplished under Brady's leadership, including the development of the command's data strategy.

"Establishing the AFSPC chief data office has been critical to drive innovation in our ability to seamlessly access, integrate and share protected data with multi-domain partners at higher speeds and with greater precision than our adversaries," Crider said. "The strategy will act as a clear roadmap outlining how AFSPC will structure and manage data. We look forward to sharing our breakthroughs across the Defense Department."

In September 2018, AFSPC became the first Air Force major command to have its own dedicated chief data officer. The command hired Brady to be its chief data officer then gave him the immediate task to build a data strategy designed to aid space warfighting in both a supported and supporting role.

One of the first things Brady did was enlist a team to go across the command to find out how people were using data, what was challenging their ability to leverage data and what data they needed to accomplish their missions. The team met with more than 200 individuals, visiting 82 units at 19 sites.

"That current-state assessment revealed a lot about what is happening in space operations and what operators need," said Brady. "It identified our strengths, but more importantly it identified areas where we needed to improve."

During the assessment, a common theme emerged – historically, data has been stored, by the military and industry, in proprietary stovepiped systems. These systems are cut off from each other. They are not tied to a larger, enterprise-level architecture and they are designed to only perform specific functions or support single mission areas.

To help solve this issue, AFSPC developed the Unified Data Library through a partnership with the Air Force Research Laboratory and the Space and Missile Systems Center. The UDL is a highly scalable cloud-based data environment to store space data and other data. It is a place where data can be discovered and understood through its interactive documentation. It allows human users to tap in and query data directly.

Through the activities being proposed in AFSPC's enterprise data

strategy, data is set to achieve its maximum utility in both real-time and near-real time mission scenarios, resulting in mission data instantly and more accurately being managed and transferred to:

- Eliminate the need for manual processes.
- Support machine to machine interaction.
- Advance analytics and artificial intelligence / machine learning.
- Allow decision-makers to be automatically alerted to threats and review courses of action in near real-time.

AFSPC is a major command focused on providing military-focused space capabilities with a global perspective to the joint warfighting team. The command's mission is to provide resilient, defendable and affordable space capabilities for the Air Force, joint force and the nation.

MWDs

From Page 10

giving the retired military working dog a good place to spend the twilight years," Britt said.

Prospective adopters must fill out paperwork that includes questions about where the dog will live and if they will be cared for with necessary medications throughout their lives. The adoption process is different for every dog and can happen almost immediately or take up to two years.

Each dog's welfare is important when it comes to making a good match. Since they can't speak for themselves, Britt represents their interests. Canines are screened for aggressiveness, how they interact with people, children and other dogs before that final match is made, he said.

To be approved for a MWD adoption, applicants must have a 6-foot fence, no children under the age of 5 and no more than three dogs already in the home. They must also have a veterinarian listed on the application and two references.

Once paperwork is completed, the dog's microchip ID number should be registered with a database prior to the dog leaving and potential adopters must also have an approved crate to transport them home.

Some of the adoptable



Courtesy photo

Robert Klesges, left, Jerry Britt, center, 341st Training Squadron adoptions and dispositions coordinator, and Melissa Little, 59th Medical Wing behavioral health preventive medicine researcher, talk about the military working dog adoption process June 26 at Joint Base San Antonio-Lackland, Texas.

canines come from the MWD puppy foster program, breeding program eliminations and training program. Retired and medically released canines are also eligible for adoption.

While there is demand to adopt puppies that don't advance in the training program, older retired dogs bring great obedience and good manners even though they have limited longevity, Britt added.

No matter what amount of time Klesges will have with his next canine companion, he is ready to adopt the dog who deserves a great retirement. He will allow Britt to make the final pairing, he said.

For more information on the MWD adoption program, email mwd.adoptions@us.af.mil or call 210-671-6766.

"It will have to be a dog that

has very good obedience," said Britt, who watches over countless dogs every day as he looks for the right one for Klesges and other adopters.

For now, Klesges will wait for the call that will tell him his next walking canine partner has been selected. He'll return to JBSA-Lackland and fly home with his new companion seated next to him as retired MWDs are permitted to travel in the cabin. Once they land, they'll head off to the park and start a new chapter together.

For more information on the MWD adoption program, email mwd.adoptions@us.af.mil or call 210-671-6766. Some of the adoptable

Summit

From Page 11

life," said Chief Master Sgt. Manny Piñeiro, Air Force first sergeant special duty manager. "It's our job as senior leaders to make sure that we fix those limiting factors and gain the momentum to provide them the resources they need."

One way first sergeants were able to learn and train was simply by talking and networking with first sergeants from other units.

Chief Master Sgt. Nathaniel Perry Jr., Air Force First Sergeant Academy commandant, said symposiums like this allow them to share best practices and develop new ones.

The focused effort to improve the lives of Airmen helps to drive the mission forward, which in turn helps to revitalize squadrons.

Another main purpose of this summit and symposium is to make sure first sergeants are prepared to make positive contributions to the leadership in their units.

Chief Master Sgt. Benjamin Williams, 118th Wing, Tennessee ANG, command chief master sergeant and one of the main organizers of the event, said this gathering is designed to give first sergeants their required 12 hours of annual training and to ensure they have the proper

skills to contribute as a part of the leadership triad. By being able to better advise commanders and command chiefs, these first sergeants will be doing their part in helping squadron revitalization.

The training also improved leadership skills that are vital in managing healthy squadrons.

Chief Master Sgt. Lorene Kitzmiller, ANG first sergeant functional manager, said the skills necessary to become a strong leader were being taught at this summit and symposium. This is critical because squadrons run on strong leadership and it's essential for first sergeants to be strong leaders in order to take care of Airmen.

Some obstacles that first sergeants addressed were using their leadership roles to overcome the operational and administrative differences between the ANG, Reserve and active duty to operate as one total force.

"I find it tremendous that we have each component represented here," said Chief Master Sgt. Travon Dennis, Air Force Reserve Command first sergeant functional manager. "Visually it sends a message to the field that we are not trying to go total force integration, we are (integrating). Nobody cares outside of that gate which branch you serve. What they are going to see is Air Force labeled on our chest."

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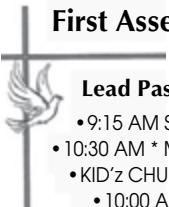
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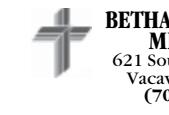
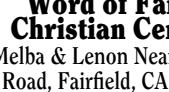
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Methods

From Page 9

The concept of transgenic mosquitoes has been around since the 1980s, although the first laboratory colony wasn't developed until 1997, according to Dr. Marcelo Ramalho-Ortigao, associate professor of preventive medicine in the Department of Preventive Medicine and Biostatistics at the Uniformed Services University in Bethesda, Maryland.

So far, the idea of using transgenic mosquitoes to combat malaria has been tested in laboratory settings only. However, successful genetic modification of a particular species of mosquito, *Aedes aegypti* – known to spread the Zika, dengue, yellow fever, and chikungunya viruses – has been both laboratory and

diseases using transgenic mosquitoes. One is population replacement using a concept known as "gene drive" to spread anti-pathogen genes. The other is a population suppression strategy that reduces the number of mosquitoes that can pass on the pathogen.

Because of the ethical ramifications of gene editing to alter mosquitoes or other species, this concept has always been controversial, Ramalho-Ortigao said. "Controversy and discussions with regard to applications, and especially how to

control against unwanted effects, is critical for the advancement of science, especially with regard to transgenic technologies." Government regulation by the Food and Drug Administration and the Environmental Protection Agency is a way to ensure studies do not deviate from their scientific goals, he added.

In addition to potentially proving a new tool in the fight against mosquito-borne diseases, "studies of insect transgenics also provide crucial training for the next generation of scientists who may be involved in cutting-edge research and possibly apply techniques they learned using mosquitoes or other insects as a model for higher organisms," explained

Ramalho-Ortigao. He pointed out that insects "share many common features with vertebrates with regard to gene expression, ability to mount an immune response to invading microorganisms and viruses, and certain behavioral traits."

Scientists may therefore be able to apply knowledge gained about insects toward organisms "higher in the evolutionary scale, including vertebrates," he said.

Although humans may not miss mosquitoes if they were to be eradicated, our ecosystem would. "Mosquitoes play an important role as pollinators," said Ramalho-Ortigao. "Also, they are a food source for other insects, spiders, frogs, lizards, and birds."



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20 years

From Page 6

a daily basis to help people all over the world, I think that's what makes the C-17 special."

The McChord mission could not happen without a diverse team.

"I'll tell you what's different about the C-17 and other weapons systems I've worked on and that's the integrated team that we have here," Hatzinger said.

"We have Airmen, active duty and reserve, we have civilians, and we also have Boeing, and that partnership with Boeing civilians, the expertise that they bring every day to this weapons system, you don't see that at most fighter bases. "That level of experience really makes the C-17 as reliable as it is. It's that full team effort

out there on the flight line that makes this aircraft special."

Over the past 20 years, McChord C-17s have reached every corner of the globe and landed on all seven continents. When the first C-17 landed at McChord Field, it had just over seven flight hours and seven landings. That same C-17, still flying missions out of McChord today, has over 19,800 flight hours and over 11,000 landings worldwide.

"Team McChord has set the standard since WWII," Curran said. "You can go from the Doolittle Raid to the Berlin Airlift, Operation Homecoming in Vietnam to the opening nights of Operation Iraqi Freedom. We've always lead the way."

Though currently the most modern cargo plane in the fleet, Team McChord Airmen are already looking to the future.

"When you walk through the airpark here you notice that throughout time the machines have always changed," Currin said. "One thing has remained constant, that's the spirit and passion and talent of the American Airmen. Hopefully it's a long ways down the road but we'll retire this plane someday. It will be a sad day but it'll be a joyous day too because when they retire this aircraft and bring out the next variation, there's still going to be that one constant. It's going to be the next generation of American Airmen who protect our freedom and way of life."

The ceremony ended with the C-17 West Coast Demonstration Team performing its first demonstration for Team McChord and various McChord Field units showcased their assets for all to see.

CyberLOG

From Page 5

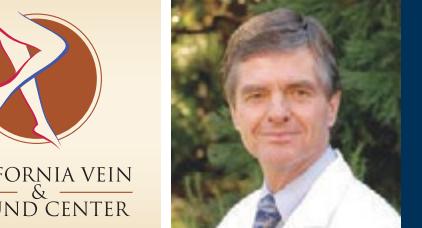
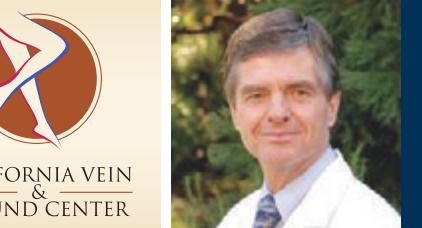
Barnes also was part of a second presentation, "The Future Path for Medical Devices and Equipment in DHA." He was joined by Air Force Lt. Col. Richard Keller, chief of Medical Logistics Enterprise Information; Frank Boals, chief of Healthcare Technology Management, DHA Medical Logistics; and Nigel Stone, Clinical Engineering Support, Health Technology Management, DHA MEDLOG.

"If we bring a legacy way of thinking to MHS GENESIS, we're not going to get it done," said Barnes, adding that he was paraphrasing Air Force Maj. Gen. Lee Payne, assistant director for Combat Support at the DHA.

DHITS brought together approximately 2,000 government, military, and industry information technology professionals to share knowledge, ideas, new developments, and lessons learned. The symposium was held July 30 through Aug. 1 at the Caribe Royale in Orlando, Florida.

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Icon of a person working on a driveway

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Green

From Page 2

need for a lengthy explanation as to why you did or said what

you did and there is no need to take the comment as a personal attack; it is feedback. It is meant to help you grow into a stronger leader, the same way that Airman helped me.

Kiosks

From Page 4

- Not smoking.
- Limiting alcohol use.
- Reducing your stress.
- Monitoring your blood pressure regularly.
- Talking with your health care team.

Travis CHPS has many services to help increase

awareness of your blood pressure and offer educational opportunities for prevention:

- Wellness screenings – cardiac risk profile, blood pressure, body composition.
- Health education classes
- DASH Diet for Healthy Blood Pressure, Warning Signs of Heart Attack and Stroke.
- Physical activity and weight management challenges.



U.S. Air Force photo/Airman 1st Class Jayden Ford

Linda Benjamin, 19th Airlift Wing SAPR coordinator, and Tiffany Clark, 19th AW SAPR victim's advocate, created an anonymous support group which provides resources to give people hope and helps them cope with traumatic events that have taken place in their life.

Survivors

From Page 7

at a certain time because we continually go over the 12 sessions."

Clark strives to make people feel included and encourages them to set goals, no matter how small, to help boost morale.

"We ask them what was one thing that you can celebrate that was a success this week," Clark said. "Then they make small goals."

According to Clark, the camaraderie one can get from being a part of the group, which is the only SAPR-led survivor support group in the Air Mobility Command, is seen as beneficial to developing a sense of belonging and makes the person feel like someone actually cares, and it is also great for connecting with people during

their recovery who share similar experiences.

"We are going to be there with them," Clark said. "Once they start coming to the group and start making those friendships, they start to realize people care."

The SAPR team plays an essential role in Herk Nation, one they take deep pride in, uplifting people with the knowledge they have.

"I feel like we are hope givers," Clark said. "That is kind of our mission because not having any hope is a dangerous place to be. We want to give that hope when people are starting to lose it."

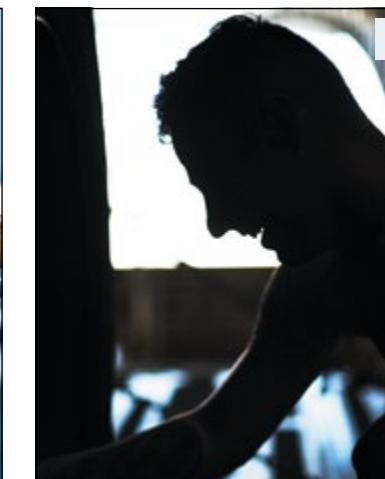
The group also brings hope to Clark and Benjamin that the negative stigma involved with someone seeking mental or emotional help will be resolved by presenting an uplifting atmosphere for survivors of traumatic events.



1) A simulated ambulance is loaded onto a C-17 Globemaster III aircraft Aug. 1 at Travis Air Force Base. The loading was part of a joint force mobility exercise involving Airmen from Travis AFB and March Air Reserve Base, Calif. 2) Airman 1st Class Anthony Sauma, 60th Aerial Port Squadron air transportation journeyman, ensures the proper loading of a simulated ambulance onto a C-17 Globemaster III aircraft Aug. 1 at Travis. The exercise utilized the expertise of both 60th APS and 729th APS Airmen to augment Travis mobility operations. 3) Sauma checks the tire pressure on a simulated ambulance. 4) An Airman from March directs the load of a simulated ambulance into a C-17 Globemaster III aircraft Aug. 1 at Travis.

EXPERIENCE boosts Airmen's ...

U.S. Air Force photos/Senior Airman Christian Conrad



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