

# MAINTENANCE

... celebrates KC-10's 'Black Letter' status

PAGES 10-11





# Key spouse aids community during tough times

Staff Sgt. Sarah Brice  
621ST CONTINGENCY RESPONSE WING

Wife, mother, pillar of support. One award-winning spouse at Travis Air Force Base, California, has been building up her family and her community for the past few years and continues to lend her strength and optimism during the COVID-19 pandemic.

Earlier this year, Yasmin, wife of Master Sgt. Christofer Galbadores, who was the former 821st Contingency Response Support Squadron commander's executive, was named the 2019 Key Spouse of the Year for the squadron thanks to her ongoing contributions to military families.

"I love to help other people," said Yasmin. "I check up on the spouses every month and see if there's anything they need help with. They probably get tired of my text messages."

Yasmin has been helping coordinate meal trains and volunteers to cook and deliver food for families with new babies.

"It helps to not have to worry about dinner," said Yasmin.

In the beginning of the COVID-19 pandemic, families had even more to worry about, including how to keep their children safe. To help, Yasmin stepped up and re-opened her home daycare business.

"I opened up my home to families that needed care, because a lot of businesses were shutting down," said Yasmin. "I take temperatures when the kids are dropped off and make sure they don't have a fever. I do ask parents that if they're sick to not bring the kids over and to wait at least two weeks, because I want to protect my kids and other families as well."

Yasmin has three boys of her own, two of whom are in school. She does all of this while her husband goes into the office for



Courtesy photo

Yasmin Galbadores, left, encourages her family to stay active and involved in the community, including such activities as a walk to remember fallen security forces Airmen that took place May 14 at Travis Air Force Base, California.

mission-essential work.

"If you look up the definition of humble, you'll probably find a picture of her there," said Galbadores, who recently moved to a first sergeant position at the 9th Air Refueling Squadron at Travis. "She doesn't strive to do all this stuff; it's just in her natural instincts to help other families."

Galbadores has felt the full impact of Yasmin's desire to help others. Two years ago, he was diagnosed with cancer.

"It hits you in waves and really messes with your mental aspect," said Galbadores. "You'll wake up one day and go 'man, is this thing going to come back?' She reminds me that you can't live that way."

Yasmin became her husband's support, providing mental and physical assistance, and started a challenge that focused on fitness and bringing awareness to testicular cancer.

"This was definitely a true test of her being my backbone and she didn't waver," said Galbadores. "She is the absolutely strongest woman that I know."

As a mother of three boys, Yasmin said she wanted to show them that girls can be strong, too.

"Every day that you wake up is a blessing. Tomorrow's never guaranteed," she said. "You never know who you're inspiring or motivating."

Tailwind

Travis AFB, Calif. | 60th Air Mobility Wing

Air Force

Col. Jeffrey Nelson  
60th Air Mobility Wing commander

Capt. Erica Feehan  
Chief of command information

Daily Republic

Nick DeCicco  
Tailwind editor

Todd R. Hansen  
Copy editor

The Tailwind is published by the Daily Republic, Fairfield, California, a private firm in no way connected with the U.S. Air Force.

While most of the editorial content of the Tailwind is prepared by the 60th Air Mobility Wing Public Affairs office for its Web-based product, the content for the Tailwind is edited and prepared for print by the Daily Republic staff.

Content of the Tailwind is not necessarily the official view of, nor is it endorsed by the U.S. Government, the Department of Defense or the Department of the Air Force.

The appearance of advertising in the publication, including inserts or supplements, does not constitute endorsement by the Department of Defense, the Department of the Air Force or the Daily Republic, of the products or services advertised.

Everything advertised in the publication shall be made available for purchase, use or patronage without regard to race, color, religion, sex, national origin, age, marital status, physical handicap, political affiliation or any other nonmerit factor of the purchaser, user or patron.

Correspondence can be sent to the 60th Air Mobility Wing Public Affairs staff, Tailwind, 400 Brennan Circle, Bldg. 51, Travis AFB, CA 94535-2150 or emailed to 60amwpa@us.af.mil.

Deadline for copy is 4:30 p.m. Friday for the following Friday's issue. Swap ads must be brought to Bldg. 51 by noon Monday for possible print in that Friday's issue. Emailed or faxed Swap Ads are not accepted.

Those on base wishing to receive home delivery of the Tailwind can call 427-6975 today.

For information on paid advertising and on base circulation, call 425-4646. Correspondence can be sent to: Daily Republic, 1250 Texas St., Fairfield, CA 94533 or faxed to 425-5924.

Visit the Travis public web site at <http://www.travis.af.mil>. Read the Tailwind online at <http://tailwind.dailyrepublic.net> or by accessing the Travis SharePoint.

Table of contents	
Puzzles	7
Cover story	10-11
Worship services	13-14
Classifieds	16-17
On the cover	
U.S. Air Force Senior Airman Jacob St. George, 660th Aircraft Maintenance Squadron dedicated crew chief, examines a KC-10 Extender July 13 at Travis Air Force Base, California.	
U.S. Air Force photo/Senior Airman Jonathon Carnell	

# Boneyard bound: KC-10 first to retire

Tail stationed at Travis AFB in mid-1990s

Shaun Eagan  
JOINT BASE MCGUIRE-DIX-LAKEHURST  
PUBLIC AFFAIRS

JOINT BASE MCGUIRE-DIX-LAKEHURST, N.J. — The 305th and 514th Air Mobility Wings bid farewell to the first KC-10 Extender set for retirement during a ceremony July 13 at Joint Base McGuire-Dix-Lakehurst, New Jersey.

The ceremony recognized the aircraft for its contributions to the Air Force over the span of more than 33 years of service, and marked the first retirement of 59 Extenders intended for eventual replacement by the KC-46A Pegasus.

"Today, we solemnly, and with an immense amount of pride, say 'farewell' to the first KC-10 in the McGuire fleet to make its journey to the 309th Aerospace Maintenance and Regeneration Group - more commonly known as the 'Boneyard,'" said U.S. Air Force Col. Scott Wiederholt, 305th Air Mobility Wing commander.

The aircraft was the first of three identified KC-10s from the Air Force's Backup-Aircraft Inventory that were congressionally approved for retirement during Fiscal Year 2020. Following the ceremony, the aircraft was flown to the 309th Aerospace Maintenance and Regeneration Group at Davis-Monthan Air Force Base, Arizona, where it will continue to support the remaining Extenders with spare parts as they are flown for several years while the KC-46A is integrated into Air Mobility Command's Total Force tanker enterprise.

"This aircraft, like all the aircraft in our KC-10 fleet, has served honorably and provided life-saving fuel to warfighters executing global reach," Wiederholt said. "[The aircraft] ensured that all missions, whether combat, re-supply or humanitarian,



U.S. Air Force photo

KC-10 Extender tail No. 86-0036 receives a traditional water salute as U.S. Air Force Lt. Col. Mike Pillion, 514th Air Mobility Wing pilot, prepares to fly it to the 309th Aerospace Maintenance and Regeneration Group at Davis-Monthan Air Force Base, Arizona. A July 13 ceremony at Joint Base McGuire-Dix-Lakehurst, New Jersey, marked the retirement of the first of 59 Extenders intended for eventual replacement by the KC-46A Pegasus. A total of three KC-10s from the Air Force's Backup-Aircraft Inventory were congressionally approved for retirement during fiscal year 2020.



U.S. Air Force photo/Staff Sgt Sean Evans

KC-10 Extender No. 86-0036 takes to the skies for its final mission to the 309th Aerospace Maintenance and Regeneration Group at Davis-Monthan Air Force Base, Arizona, following its retirement July 13 at Joint Base McGuire-Dix-Lakehurst, New Jersey.

airplane in the face of our nation's enemies," said U.S. Air Force Col. Thomas Pemberton, 514th Air Mobility Wing commander. "Without fail, they enabled the strategic effects of combatant commanders, extended the powerful reach of the

in-flight refueling to U.S. and coalition aircraft, from Operations Desert Shield and Desert Storm to Operation Inherent Resolve.

The retirement comes as the Air Force begins preparing for integrating the KC-46 into the Total Force tanker enterprise. Select portions of the legacy tanker fleet will be gradually divested, which allows for the recapitalization of the aging tanker fleet, while also maintaining its aerial refueling capability and capacity for the warfighter.

"Thank you for your dedication to this mission, aircraft and to all the Airmen who played a role in ensuring its prominent place in the finest Air Force in the world," Wiederholt said. "This is an exciting time to be part of our Air Force, and I look forward to watching this total force team soar to new heights in the coming years."

National Command Authorities and enabled soldiers and Marines in enemy contact a safe haven as KC-10s refueled their air support and air cover overhead."

For nearly four decades, KC-10s have helped secure global reach for America, providing





U.S. Air Force photo

Members of the 621st Contingency Response Wing leadership listen and take notes to diversity and inclusion guest speaker Risha Grant during a one-hour diversity and inclusion meeting June 30 at Joint Base McGuire-Dix-Lakehurst, New Jersey.

# Devil Raiders double down on diversity

**621st Contingency Response Wing Public Affairs**

JOINT BASE MCGUIRE-DIX-LAKEHURST, N.J. — With mounting tensions in today’s political climate, leadership within the 621st Contingency Response Wing are taking extra measures to understand and help improve the workplace environment for their Airmen.

One such initiative invited Risha Grant, international motivational speaker, to discuss the hot topic of diversity and race in the workplace with command teams from the 621st CRW at the headquarters building,

Joint Base McGuire-Dix-Lakehurst, N.J. Leaders on the East Coast as well as the West Coast at Travis Air Force Base, California, participated in the event in person or via video teleconference.

“Our roundtable discussion with Ms. Grant today was just one step of many in the right direction for our leadership teams’ quest to build and foster a culture rife with diversity and inclusion,” said Chief Master Sgt. Tony Jenkins, 621st CRW command chief.

The Air Force is working on diversity and inclusion initiatives, and discussions like these are a step toward those goals.

“Talking to leadership is where it’s at with diversity and inclusion policy because the people in entry level and up are looking to you to guide them in this journey,” said Grant.

Grant is known as a renowned diversity, inclusion and bias expert. She is a divorced African-American bisexual black woman who is a small business owner and basketball coach. At the leadership meeting, she explained that bias is a roadblock to acceptance and inclusion.

“I have learned how to separate unconscious bias from facts,” said Grant. “We go through life having these feelings about people who have never done

anything to us.”

During the discussion, leaders opened up about their own experiences with and thoughts on unconscious bias as well as their concerns about the future of the Air Force. Many expressed their hopes that conversations like this will help drive a culture of belonging and inclusivity within their units.

“Our leadership teams care deeply about their Airmen,” said Jenkins. “We need to keep these conversations going so that hopefully, one day, all our Airmen feel valued, comfortable, and connected in an environment without any fear of bias or discrimination.”

# Retiree Activities Office adapts

**Travis Air Force Base Retiree Activities Office**

The Travis Air Force Base Retiree Activities Office established a Facebook page and two Facebook groups to expand services during the COVID-19 pandemic.

Currently, the office is closed to walk-ins due to shelter-in-place protocols as well as the fact that most of its volunteers and many customers are in the high-risk group for those over 65 years of age with varying health conditions.

The main page gives the RAO a place to post items of interest for military retirees living in our service area. The two group pages give military retirees living in Northern California a central location to post comments, or request help from their servicing RAOs by email.

The RAO also posts PDF-formatted copies of the Afterburner, the RAO quarterly newsletter, forms, updates and other documents retirees may need to update military pay accounts, establish an estate plan choose a health care/Federal Employees Dental/Vision Program insurance plan or change beneficiaries for arrears of pay and survivor benefits.

Retirees also have an option to request help from the RAO page by sending the office an email directly from the Facebook page.

The office currently interchanges ideas for expanding information, service and outreach with Beale AFB RAO’s director, Dave Johnson. Beale has its own Facebook page retirees in the service area are encouraged to visit their page.

For those using a personal Facebook account, visit the Travis Air Force Base Retiree

**See RETIREE Page 15**

# WFH setup can cause neck, back pain

**Robert Goetz**  
502ND AIR BASE WING PUBLIC AFFAIRS

JOINT BASE SAN ANTONIO-RANDOLPH, Texas — “There’s no place like home” may be an appropriate sentiment for people who favor working from the comfort of home during the novel coronavirus pandemic.

However, it doesn’t ring true for those teleworkers who are feeling more pain than comfort because their home office leaves much to be desired.

“I would have to say the most common complaint of teleworkers is neck and upper back pain between the shoulder blades,” said Jason Wheeler, 559th Medical Squadron physical therapist.

Wheeler has seen his share of what he called “interesting” home setups for teleworkers.

“I had someone who has been sitting in a beach lounge with a laptop on their lap, someone sitting on their floor with the laptop on a coffee table and a lot of people using kitchen counters or dining room tables without proper chairs for the task,” he said.

Even his own home office is less than ideal, Wheeler admitted.

“I am using a home office



U.S. Air Force photo

**Jason Wheeler, 559th Medical Squadron physical therapist, works with a patient at the Joint Base San Antonio-Randolph Physical Therapy Clinic. Neck and upper back pain are common complaints for teleworkers whose home office conditions are less than ideal.**

with a desk and office chair, but it is set for my wife’s height, so the desk appears way too tall for me, which is causing headaches and low back pain if I

don’t adjust a few things,” he said. “I do this for a living and still catch myself in compromising positions from what I recommend to patients.”

Wheeler’s template for an ideal home setup is something as close to a good office setup as possible.

**See PAIN Page 15**

## Disposition of personal effects

Maj. Kyle F. Neuendorf is authorized to make disposition of the personal property of Senior Airman Zulema Gonzalez-Romero, deceased, 60th Surgical Operations Squadron, as stated in AFI 34-501.

Any person having claims for or against the deceased person please contact Neuendorf by phone at 707-423-3906 or email kyle.neuendorf.1@us.af.mil.

**— 60th Force Support Squadron**

Visit Travis at **FACEBOOK.com/TravisAirForceBase**



# Solano County's Largest Full Service Truck Shop

## NBTC

### NORTH BAY TRUCK CENTER

We service all makes and models of RV motorhome, 5th Wheel and Trailer Chassis, brakes, lights, engine, HVAC, transmission, steering, axles, bearings, suspension, tires etc. We also repair and service all trucks from a pick up truck to a Class 8 Big Rig.

Our team of Technician's have over 150 years combined repair and diagnostic experience. We treat your vehicle like it is ours. There is no job too big or small, we invite them all.

Give us a call to schedule an appointment or just stop by we always have coffee brewed and popcorn popped. We look forward to meeting you and providing you with excellent customer service.

**(707) 427-1386**

Present This Ad for **10% Discount** off any Repair or Service!



Mon.-Fri., 7:30AM-5:30PM  
Sat., 7:30AM-4:00PM  
1245 Illinois St., Fairfield, CA



# Critical care nurse joins Reserve at age 50

**Master Sgt. Chance Babin**  
AIR FORCE RECRUITING SERVICE  
PUBLIC AFFAIRS

SCOTT AIR FORCE BASE, Ill. — In 12-plus years of working at a Veteran’s Affairs Hospital, Capt. Jennifer McGuigan has heard many heart-wrenching stories from family members of those in her care as a critical care nurse.

She remembers one story in particular that changed her life and inspired her to join the Air Force Reserve at the age of 50.

“Many years ago, I cared for

a Vietnam veteran who had suffered cardiac arrest at home,” McGuigan said. “The first responders were able to get his heart beating, but he never did breathe on his own. He was brought to our ICU (intensive care unit), and we cared for him for about a week until his family decided to withdraw life-sustaining treatments.

“While he was in our ICU, his father, who was a World War II veteran, shared with me how difficult it was for him when his son volunteered to serve in Vietnam. He knew firsthand what

his son would experience, and even though it broke his heart, he felt he had to honor his son’s decision and support his desire to serve.”

It was stories like this one that made McGuigan feel particularly close to the families of the veterans in her care. Her children were only 8 and 9 at the time, but his words forever changed how she viewed the families of the veterans under her care.

“My kids are now old enough to join the military themselves, and even though they have not, I think of that World War II vet often,” she said. “I want to be able to help care for those serving our country for all of those parents who have had to struggle through the same situation as that World War II vet.”

With her children grown, McGuigan decided the time was right to do something about her desire to help those families. So, at the age of 48, she set out to become a critical care nurse in the Air Force Reserve.

“I had heard from friends in the Reserve that there was a need for critical care nurses,” McGuigan said. “My husband served in the Air Force for 10 years, and loved it. When we discussed it, he was extremely supportive and excited that I wanted to serve in the Reserve.”

Next, she had to tell her kids of her plans, and to her surprise,



Courtesy photo

**U.S. Air Force Capt. Jennifer McGuigan, left, poses with her medical co-worker, Iris Appenrodt, July 7, at Scott Air Force Base, Illinois. Facing a shortage of critical care nurses, the Air Force Reserve granted an age waiver for McGuigan, who is 50.**

they were equally supportive.

The Air Force Reserve does indeed have a dire need for critical care nurses. These nurses have an important mission during wartime and have also been in high demand during the COVID-19 pandemic.

“The need for critical care nurses was highlighted during the response to COVID-19,” said Col. Sherry Hemby, Air Force Reserve Command’s command nurse and career field manager. “Many patients diagnosed with COVID-19 had difficulty breathing and were placed

See NURSE Page 18

## Airmen complete FTAC course



U.S. Air Force photo

Congratulations to the latest Airmen to complete the First-Term Airman Center course. Alphabetically: ; Airman Arturo Acosta, 60th Security Forces Squadron; Airman 1st Class Andre Alexander, 60th Operations Support Squadron; Airman 1st Class Kiara Arrington, 60th SFS; Airman 1st Class Mason Barnette, 60th Civil Engineer Squadron; Airman Joseph Behneman, 60th Aerial Port Squadron; Airman 1st Class Fernando Beltran, 60th APS; Airman Basic Brock Berech, 60th OSS; Airman 1st Class Preston Billups, 860th Aircraft Maintenance Squadron; Airman Basic Tyler Boda, 60th Maintenance Squadron; Airman Basic Paul Bonomi, 60th APS; Airman 1st Class Alisa Boyle, 60th Medical Diagnostics and Therapeutics Squadron; Airman 1st Class Andrew Briggs, 60th CES; Airman 1st Class Jayden Brush, 60th Force Support Squadron; Airman 1st Class Myles Charlton, 60th MXS; Airman 1st Class Teyondra Cheatham, 60th APS; Airman 1st Class Keenan Coleman, 60th MXS; Airman Sarah Marie Cramer, 60th APS; Airman Bradley Cryslar, 60th CES; Airman 1st Class Kamron Cuff, 9th Air Refueling Squadron; Airman 1st Class Gabriella Cunningham, 22nd Airlift Squadron; Airman 1st Class Robert Dancer, 60th APS; Airman 1st Class Russell David, 60th MXS; Airman Basic Cyrus Dyck, 660th AMXS; Airman 1st Class Tatiana Elizondo, 60th MXS; Airman 1st Class Johnathan Flores, 660th AMXS; Airman Basic Lucas Fry, 60th MXS; Airman Antonio Garibay, 60th MXS; Airman 1st Class Paloma Guerrero, 60th SFS; Airman 1st Class Ameer Haddad, 22nd AS; Airman 1st Class Tamara Henry, 60th Surgical Operations Squadron; Airman 1st Class Kristopher Hill, 60th MXS; Airman 1st Class Asa Hof, 60th APS; Airman 1st Class Jamie Elizabeth Hoffman, 60th APS; Airman 1st Class Jacob Holwegner, 60th OSS; Airman 1st Class Nowai Horace, 60th MDTs; Airman 1st Class Genesis Kelly, 860th AMXS; Airman Basic Devin Kramer, 60th APS; Airman 1st Class Jakub Lopez, 60th MDTs; Airman 1st Class Jacqueline Lopez Rivera, 9th ARS ; Airman 1st Class Jazmyne Manolias, 60th SFS; Airman Luis Martinez, 60th OSS; Airman 1st Class Michael Mitchell, 60th Medical Operations Squadron; Airman 1st Class La’ruce Moffett, 660th AMXS; Airman 1st Class Jalyn Moore Kelley, 60th APS; Airman 1st Class Ethan Myers, 60th MDOS; Airman Ivan Francis Offemaria, 60th CES; Airman 1st Class Kaitlin Olack, 60th Dental Squadron; Airman 1st Class Novi Price, 60th APS; Airman Kyle Ramaker, 60th CES; Airman Brianna Ramirez, 60th Logistics Readiness Squadron; Airman 1st Class Chase Turner, 860th AMXS; Airman 1st Class Asani Wheatley, 60th DS; and Airman 1st Class Roma Yi, 60th DS.

# Team up seeks to boost sleep

### Defense and Veterans Brain Injury Center

Newly released guidelines from the Defense and Veterans Brain Injury Center will help health care providers manage sleep disturbances among service members and veterans diagnosed with concussions, and should provide measures that could improve the health and readiness of U.S. forces.

The expanded recommendations identify additional sleep disturbances through a streamlined process of diagnosis and management; and provide medication dosing and specialty referral recommendations, when appropriate. DVVIC is a division

of the Defense Health Agency Research and Development Directorate, and is the Defense Department’s center of excellence for traumatic brain injury.

“Our recommendations are developed with the primary

See SLEEP Page 12

**PAZDEL CHIROPRACTIC, INC.**

# Neck Pain?

258 Sunset Ave., Ste. I, Suisun City • 429-4861

[www.PazdelChiropractic.com](http://www.PazdelChiropractic.com)

Se Habla Español

**24/7/365 TOWING SERVICE**

**Mention this ad for a 20% Military Discount**

**Service is all we sell! (707) 437-2800**

**BRYAN SCOTT**  
ORTHODONTICS

*“We Go The Extra SMILE”*

**Bryan C. Scott, D.M.D.**  
Specialist in Orthodontics

Voted Best Orthodontist

**www.scott-ortho.com**

1360 Burton Drive, Ste 100, Vacaville, (707) 451-2292

- Orthodontics for Children & Adults
- Cosmetic (Clear) Braces
- Invisalign
- Early Intervention Treatment
- Financing Options Available
- Military Discounts

**THE GOLF CLUB AT RIO VISTA**

# Weekend Special

WE'RE SLICING PRICES JUST FORE YOU!

— Before 2:00pm —

## \$34 for 18 Holes

— After 2:00pm —

## \$24 for 18 Holes

With a cart when you book online!

Use promo code TAILWINDS during booking process to receive the discount. Valid through 7/31/20. Not valid 7/4/20.

[WWW.PLAYRIOVISTA.COM](http://WWW.PLAYRIOVISTA.COM) | 707.374.2900

**Puzzles**

**STR8TS**  
No. 499 Tough  

Previous solution - Medium

How to beat **Str8ts** – Like Sudoku, no single number can repeat in any row or column. But... rows and columns are divided by black squares into **compartments**. These need to be filled in with numbers that complete a 'straight'. A straight is a set of numbers with no gaps but can be in any order, eg [4,2,3,5]. Clues in black cells remove that number as an option in that row and column, and are not part of any straight. Glance at the solution to see how 'straights' are formed.

You can find more help, tips and hints at [www.str8ts.com](http://www.str8ts.com)

**SUDOKU**  
No. 499 Easy  

Previous solution - Very Hard

To complete Sudoku, fill the board by entering numbers 1 to 9 such that each row, column and 3x3 box contains every number uniquely.

For many strategies, hints and tips, visit [www.sudokuwiki.org](http://www.sudokuwiki.org)

If you like Str8ts, Sudoku and other puzzles, check out our books, iPhone/iPad Apps and much more on our store at [www.str8ts.com](http://www.str8ts.com)

The solutions will be published here in the next issue.

**Star Tech European**

HONEST, ETHICAL & PERSONAL

AUTOMOTIVE SERVICE & REPAIR SPECIALISTS

Specializing in:

Mercedes-Benz, BMW, Porsche, Jaguar, Audi, Volkswagen, Volvo & more.

**Family owned and operated.**  
Owner...Don Westhaver,  
Over 45 Years Experience  
Proud Military Parents

We offer dealer quality service without the hassle or the price.  
Factory trained, we use OEM parts.

First Time Customers:  
Bring ad in for visual 26 pt inspection

23 Union Way • Vacaville, CA • 707-455-8870 • [star-tech-european.com](http://star-tech-european.com)

Visit Travis at **FACEBOOK.com/TravisAirForceBase**



# Virtual reality revolutionizes aircrew training



**Master Sgt. Ted Daigle**  
307TH BOMB WING

BARKSDALE AIR FORCE BASE, La. — A new virtual reality trainer is one step closer to potentially transforming the way B-52 Stratofortress student-pilots train for combat.

The Virtual Reality Procedures Trainer, released during a milestone demonstration of its capabilities on July 7 at StrikeWerx in Bossier City, Louisiana, may even change the entire Air Force bomber community's approach to training.

The VRPT is the brainchild

of Maj. Mark Budgeon, currently assigned to Air Force Global Strike Command, Maj. Brandon Wolf, 307th Operations Support Squadron, and Maj. Justin Stephenson, 11th Bomb Squadron chief pilot and chief of innovations.

"Our adversaries are getting much better, much faster," Budgeon said. "This system has the potential to revolutionize the entire training process and make our student graduates better."

The three Airmen teamed up with King Crow Studios, a virtual reality training company from Baton Rouge, Louisiana, to develop it as part of a larger learning management system that uses virtual reality with an embedded instructor to teach and grade B-52 student pilots.

Members of the 307th

Bomb Wing, 2nd BW and Air Force Global Strike Command watched as a demonstrator from King Crow Studios put on virtual reality goggles to access a 360-degree, virtual replica of the jet's cockpit.

The demonstrator was able to practice going through the entire ground procedures checklist just as a student pilot would prior to take-off.

During the demonstration, Budgeon, an active-duty Airman, and Wolf, a Reserve Airman, explained several ways the VRPT can improve current training practices.

## Practice makes perfect

The main advantages of the VRPT are its potential to reduce human bias in instruction,

See **VIRTUAL** Page 12

# Drones make environmental program take off

**Lori A. Bultman**

502ND AIR BASE WING PUBLIC AFFAIRS

JOINT BASE SAN ANTONIO-LACKLAND, Texas — What began as a project to improve land surveying, floodplain mapping, vegetation classification and endangered species management at Joint Base San Antonio-Camp Bullis has become a revolutionary innovation that could save the Air Force millions of dollars and countless hours of labor.

The Air Force Installation and Mission Support Center's unmanned aerial system project was initiated in late 2019. Then, in March of this year, the Air Force presented a \$3 million Small Business Innovation Research Program award for the project.

The award, which was presented to a selected small business, brings the amount of government investments in the program to \$6 million over four

years. Added to the \$50 million in funding from industry and venture capitalists the small business secured, this brings the total investment in the project to \$56 million.

That funding has kicked the project, which began as an effort to protect the habitat of an endangered species, into high gear.

"The entire project revolves around the golden-cheeked warbler, which is present on JBSA-Camp Bullis," said Paul Jurena, natural resources specialist, Air Force Civil Engineer Center. "Nesting of this species occurs here, and in the central region in Texas."

Taking responsibility for protecting the birds' habitat is something JBSA environmental specialists take very seriously.

"As a federal agency, the U.S. Air Force is responsible for reporting any activities that could impact the species, especially during breeding season, March through June, to the U.S. Fish

and Wildlife Service. They are responsible for enforcement of the Endangered Species Act," Jurena said.

Prior to the AFIMSC project, surveying the habitat conditions at JB San Antonio-Camp Bullis was a timely process.

"Sending government or contract representatives physically into an environment to examine and study the habitat can be grueling work, as well as costly," said Dustin Dickens, AFIMSC Innovation Office UAS project manager.

Through regular testing of the project's UAS capabilities, which last took place July 9, surveying the habitat should soon become exponentially easier.

See **DRONES** Page 19



U.S. Air Force photo/Sarayuth Pinthong

An unmanned aerial system is set up in preparation for a test flight, July 9, at Joint Base San Antonio-Camp Bullis, Texas.

## You Served. You Save.

### CAL ROOFING SYSTEMS



Vacaville, CA 95688  
(707) 447-3132  
Lic. #560708

www.calroofingsystems.com

### DIXON LANDSCAPE MATERIALS



150 E. H St.  
Dixon, CA 95620  
(707) 678-8200

www.dixonlandscapematerials.com

### NORTH BAY TRUCK CENTER



1245 Illinois St  
Fairfield, Ca  
94533  
(707) 427-1386

www.northbaytruckcenter.com

### MITCHELL'S

HAULING, CLEANING, ORGANIZING,  
PACKING, & HOUSE CLEANING



Suisun City,  
CA 94585  
(707) 386-1312  
Lic. #22444  
Insured

### USS HORNET MUSEUM



707 W. Hornet Ave.  
Pier 3, Alameda Point  
Alameda, CA 94501  
(510) 521-8448

www.uss-hornet.org

**DO YOU OFFER A  
MILITARY DISCOUNT?  
PLACE YOUR AD HERE.  
\$40/MONTH  
CALL 707-425-4646**

*Let My Experience, Make Your  
Home Buying or Selling Experience,  
Your Best Experience!*

**CENTURY 21** MM

**Nancy Price-Branson**  
REALTOR®  
Cal BRE #01426977  
CDPE, SFR, ABR, MRP, SRES

**Cellular (707) 718-1989**

nprice@c21mm.com  
301 Dickson Hill Road, Fairfield, CA 94533

Each Office is Independently Owned and Operated



### Family Eye Doctors near Travis AFB

**ATTENTION: ALL MILITARY SPOUSES  
& DEPENDENTS AND ALL RETIREES,  
SPOUSES & DEPENDENTS  
WHY WAIT WEEKS FOR AN EYE EXAM?**



*We Accept*

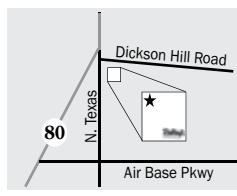
**TRICARE / TRICARE For Life**

Who can be seen at our Eye Clinic?  
-All Military Spouses and their Dependents with Tricare Prime,  
All Retirees with Tricare Prime,  
All Retirees and their Spouses with Tricare for Life / Medicare,  
and All members needing Contact Lenses Prescriptions

**Dr. Larry Huey • Dr. Don Hsiao**  
Optometrists

Travis Family Optometry  
301 Dickson Hill Road Ste. B  
Fairfield, CA 94533  
(707) 437-9600

Located 1 mile north of Air Base Parkway,  
in the Raley's Plaza  
on the corner of N. Texas St. & Dickson Hill Rd.



Ask  
About Our  
MILITARY  
DISCOUNT

### Four Seasons SELF STORAGE

Located off Hwy 12 @ Walters Road



**SIZES TO FIT EVERY NEED!**

Household • Commercial • Warehousing • Boat & RV

- On Site Management
- Security Cameras
- Individually Alarmed Units
- Private Gate Codes
- Well Lit Wide Hallways
- Drive-Up Units Available



COUPON

**50% OFF  
1st MONTH**

ON MOST SIZES. NOT VALID WITH ANY OTHER OFFER.  
EXPIRES 7/31/20.

**1600 Petersen Road • Suisun**  
**(707) 439-0605**  
**www.4ssonline.com**



CALIFORNIA VEIN  
&  
WOUND CENTER



**DR. JEFFREY BROOKS**

**Board Certified and Fellowship  
Trained Vascular Surgeon**

**VARICOSE VEINS? LEG ULCERS?  
LEG PAIN? LEG SWELLING?**

**LEG CRAMPS? LEG HEAVINESS? BURNING SENSATION?  
SKIN COLOR CHANGES? RESTLESS LEGS?**



**FREE CONSULTATION! WE CAN HELP!  
CALL TODAY! (707) 392-2500**

- Major Insurance, MediCal, Medicare, Covered CA and Care Credit Accepted
- Se Habla Español

#### OUR OFFICES:

935 Trancas Street, Suite 2C, Napa, CA 94558  
1460 N Camino Alto, Suite 101, Vallejo, CA 94589  
1261 Travis Blvd., Suite 150, Fairfield, CA 94533

1360 Burton Drive, Suite 160, Vacaville, CA 95687  
5120 Manzanita Ave. #105, Carmichael, CA 95608

**www.TreatYourLegs.com**

*Save with Military Discounts from these fine businesses!*





1

1) U.S. Air Force Senior Airman Jacob St. George, 660th Aircraft Maintenance Squadron dedicated crew chief, checks the brake piston on his KC-10 Extender July 13 at Travis Air Force Base, California. The purpose of the dedicated crew chief program is to provide continuity and accuracy by assigning ownership to each aircraft. St. George signed off the aircraft forms with zero discrepancies before flight, deeming the flight as a “Black Letter.” 2) St. George fills out aircraft forms post flight for a KC-10 Extender July 13 at Travis. 3) St. George checks the oil level of the constant speed drive on a KC-10 July 13 at Travis. The constant speed drive works similarly to the transmission in a car.



2



3

# Travis maintainers launch ‘Black Letter’ flight with KC-10

4) U.S. Air Force Senior Airman Jacob St. George, 660th Aircraft Maintenance Squadron dedicated crew chief, poses for a photo in front of his KC-10 Extender, tail No. 91946, at Travis Air Force Base, California July 13. St. George signed off the aircraft forms with zero discrepancies before flight, deeming the flight as a “Black Letter.” 5) A KC-10 is parked on the installation flight line July 13 at Travis.



4



5

## Story and photos by Senior Airman Jonathon Carnell 60TH AIR MOBILITY WING PUBLIC AFFAIRS

The 660th Aircraft Maintenance Squadron launched a ‘Black Letter’ aircraft July 13 at Travis Air Force Base, California.

The KC-10 Extender was signed-off for flight with zero discrepancies or scheduled delayed modifications due, awarding it the status of a ‘Black Letter’ aircraft.

The phrase black -letter flight or aircraft stems from the maintenance forms. When there is

a discrepancy or scheduled inspection, it is denoted with an x, a dash or a forward slash in red ink. Zero discrepancies or scheduled inspections means zero red ink, deeming the status of the aircraft ‘Black Letter.’

“I’ve been a crew chief on a KC-10 for almost eight years, and this is the first ‘Black Letter’ flight I’ve ever signed-off,” said Senior Airman Jacob St. George, 660th AMXS dedicated crew chief. “It wasn’t just me, though, this was definitely a team effort.”

Pride in this accomplishment extended beyond the maintainers to the aircrew for the mission.

“Our maintenance team here is doing their absolute best to stop the hands of time and work on these aircraft non-stop to keep them in the fight and accomplishing our various missions,” said Lt. Col. Danny Avila, KC-10 pilot and 60th Operations Support Squadron chief. “In particular, for the KC-10 formal training unit, that means keeping myself, my instructor force, and my students in the air as we teach new KC-10 crewmembers how to accomplish their job safely.”

According to Capt. Gregory Thomas, 660th AMXS

operations officer, the aircraft’s crew chiefs are key players in making this happen.

“St. George’s aircraft is one of the oldest in Travis’ fleet,” Thomas said. “With closing on four decades of flying time, achieving a jet with zero defects is extremely impressive and takes a lot of personal dedication from the dedicated crew chief to make it happen.”

St. George said it is an incredible achievement to have a ‘Black Letter’ aircraft. This achievement is not just a reflection of crew chiefs but the entire maintenance team.

“Maintaining our aircraft is crucial for mission readiness,” St. George said. “I have two Airmen who work under me on this aircraft, and we treat this aircraft like it’s ours.”

While a rare achievement for any maintenance unit, this milestone also occurred only one day after the 40th anniversary of the first KC-10 Extender flight on July 12, 1980.

“It takes a village to do what we do, and the fact that I get to be a part of it and witness the day to day interactions of these Airmen is an amazing opportunity,” said Thomas.



# Virtual

From Page 8

provide better access to training for student pilots, and give students immediate feedback that lessens the chance they develop poor habits in the early phases of training.

Wolf explained that the current technology used in student pilot training limits hands-on training opportunities. Due to logistical concerns, student pilots don't have 24-hour access to instructors or training tools.

The VRPT has the potential to eliminate that problem.

It employs virtual reality goggles, a computer and two hand controls. These portable items can be used almost anywhere to generate the virtual B-52 cockpit.

"It would be accessible to them all the time, so they can take it home and practice," Wolf said. "They become familiar with it, and we won't get that deer-in-headlights moment when they first get in the simulator or B-52."

The program also has the

capacity to collect data on student performance with time-stamps that show speed and errors. That data can be used by instructors to provide immediate feedback.

"It catches mistakes early on a human might miss so that instructors can create a process for correcting them," Wolf said.

The three pilots also stressed ease of use with the new system.


"Its operating system is intuitive, so all we have to do is hand it to them and say 'go,'" Budgeon said.

King Crow Studios is scheduled to produce a complete VRPT prototype later this year.

Budgeon, Wolf and Stephenson hope the trainer moves into the third phase of the contracting process and is adopted by the 307th Bomb Wing to train all incoming B-52 student pilots for the Air Force.

If adopted, the three Airmen are eager to press forward with similar trainers for the jet's weapons systems officers and electronic warfare officers.

**Ramon Santos**  
NMLS 237037 | #3094  
Branch Manager | Sr. Mig. Advisor  
FHA • VA • Conventional



Buying or Refinancing - Call Me  
Together, possibilities  
are endless!  
**707.427.1400**

301 County Airport Road, Suite 206, Vacaville, CA 95688

**Old School Boxing**

✓ Men

✓ Women

✓ Youth

✓ 50 Years

Training

Experience

**Open Now for Training**

**660 Parker Rd., Fairfield, CA 94533**

**707-514-6559**

# Sleep

From Page 7

making treatment and specialty referral decisions."

Sleep disturbances are a widely reported symptom among service members and veterans diagnosed with concussion, also known as mild traumatic brain injury. Nearly 12 percent of service members were diagnosed with at least one sleep disorder in 2018, the latest figures available from the DoD Health of the Force. The most commonly diagnosed sleep disorders were sleep apnea and insomnia.

In October 2019, the Defense Department and the Department of Veterans Affairs released a clinical practice guideline on the management of chronic insomnia disorder and obstructive sleep apnea, which noted the high prevalence of sleep disorders in active-duty service members and veterans. In addition, a study by the VA San Diego Health Care system found more than half of the veterans seeking treatment at that VA had insomnia symptoms.

At a recent TBI symposium at the National Institutes of Health, University of Maryland School of Medicine clinical psychology professor and sleep disorder specialist Emerson Wickwire explained that conditions following a TBI such

as headaches, dizziness and poor balance can be affected by sleep disturbances and "if providers knew more about sleep, it would have a huge impact on TBI care." Wickwire served as a member of DVVIC's expert working group that developed the clinical recommendations.

Twenty four experts in sleep medicine, neurology, psychiatry, psychology, and pharmacology participated in the working group that developed the updated clinical recommendation. Experts represented the Army, Air Force and Navy, the Uniformed Service University of the Health Sciences, the Department of Veterans Affairs, and the civilian sector including the University of Maryland. The clinical recommendations align with the DoD/VA clinical practice guideline.


Practice guidelines have multiple advantages for the practitioners. "They sort of standardize the care...so everybody, if they are following the guidelines, they are generally doing the same thing for the same sort of situation," said Army Col. (Dr.) Brian Robertson, the chief of sleep medicine service at Walter Reed National Military Medical Center. Because those who design guidelines have both clinical experience and knowledge of the scientific literature, "a lot of that work on deciding what to do has already been done for you. That

makes life a lot easier for [the] clinician. That's the goal."

"Medical students get a one-hour lecture on sleep for their entire medical training," said Risa Nakase-Richardson, a neuropsychologist and scientific research director at the Tampa DVVIC-VA site. Because of that, "the CR will provide an outstanding reference tool for sleep for primary care physicians to help evaluate and make clinical decisions about managing sleep for persons with TBI."

Known as the "Management of Sleep Disturbances Following Concussion/Mild Traumatic Brain Injury: Guidance for Primary Care Management in Deployed and Non-Deployed Settings," the recommendations are tailored to assist practitioners managing sleep and concussion in the primary care setting. To inform appropriate clinical interventions, it includes screening questions, guidance on potentially emergent symptoms, diagnostic criteria, and recommended evaluations.

Like its 2014 predecessor, the new recommendations cover insomnia, obstructive sleep apnea, and irregular sleep-wake patterns. They also address excessive daytime sleepiness, insufficient sleep syndrome, restless legs syndrome, and other unusual events during sleep, such as nightmares and sleepwalking.

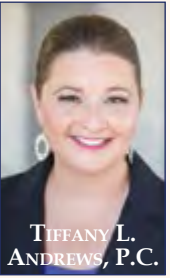


LAW OFFICE OF  
**TIFFANY L. ANDREWS, P.C.**  
*If you care, we care!*

PROFESSIONAL FAMILY LAW SERVICES  
INCLUDING JUVENILE DEPENDENCY LAW CASES

*Now offering weekend & early evening consultations  
up to 8pm with one of our associates.*

- Divorce
- Legal Separation
- Custody and Visitation
- Child and Spousal Support
- Restraining Orders



TIFFANY L.  
ANDREWS, P.C.

**25% OFF Military Cases** *(If retained)*

SOLANO OFFICE: 817 MISSOURI STREET, STE. 4 • FAIRFIELD, CA 94533 • (707) 673-4855  
SACRAMENTO OFFICE: 6611 FOLSOM AUBURN RD., STE. H • FOLSOM, CA 95630 • (916) 790-8440

[www.tlalawoffice.com](http://www.tlalawoffice.com)



# DIRECTORY OF local worship services

For advertising information about this directory, call Classifieds at 707-427-6973 or email:  
lvargas@dailyrepublic.net

## ASSEMBLY OF GOD

### First Assembly Of God of Fairfield

**Lead Pastor: C. Eric Lura**  
 • 9:15 AM SUNDAY SCHOOL  
 • 10:30 AM \* MORNING WORSHIP  
 • KID'z CHURCH Grades K-5th  
 • 10:00 AM WEDNESDAY SENIOR PRAYER  
 • 7:00 PM WEDNESDAY NIGHT  
 Adult Bible Study  
 Girl's Club  
 Royal Rangers  
 Revolution Youth  
 \*Nursery Care Provided

**707-425-3612**

2207 UNION AVE., FAIRFIELD  
**www.1agff.org**  
 email: info@1agff.org  
 Live Stream on:



## BAPTIST

### Worship With Us... St. Paul Baptist Church

1405 Kentucky Street  
 Fairfield, CA 94533  
**Rev. Dr. Terry Long, Pastor**  
**Sunday**  
 Sunday School: 11:00 a.m.  
 Morning Worship Service: 12:00 p.m.  
 Children's Church: 11:30 a.m.  
**Tuesday**  
 Prayer Meeting: 6:30-7:00 p.m.  
 Bible Study: 7:00-8:00 p.m.  
**Web Site:** www.stpaulfairfield.com  
**Email:** stpaulbcfairfield@comcast.net  
**Church Phone:** 707-422-2003

## BAPTIST



### MOUNT CALVARY BAPTIST CHURCH

Dr. Clayton Lca, Jr. - Senior Pastor  
**Fairfield Campus**  
 1735 Enterprise Drive, Bldg. 3  
 Fairfield, CA 94533  
 Sunday Worship Services  
 7:00am & 9:30am.  
 Bible Study  
 Tuesdays @ 7:00pm (Youth Sanctuary)  
**Suisun Campus**  
 601 Whispering Bay Lane,  
 Suisun City, CA 94585  
 Sunday Worship Services, 11:00am  
 Bible Study  
 Tuesdays @ 12:00noon  
 707-425-1849  
**www.mcbcf.org** for more information  
 Live Stream on:



### First Baptist Church of Vacaville

*The All Together Different Church*  
**Senior Pastor**  
**Wyatt Duncan**  
 Sunday Services:  
 8am and 11am

**Meeting online only.**  
**For details please**  
**go to**  
**www.fbcvv.com**

Awana on  
 Wednesdays at 6pm  
**1127 Davis Street, Vacaville**  
**707-448-6209**  
**www.fbcvv.com**

## BAPTIST



**Live stream at:**  
**itsallaboutfamilies.org**  
 301 N. Orchard Ave., Vacaville  
 707.448.5848

**SUNDAY**  
 Classes for all ages..... 10:00 am  
 Worship..... 11:00 am  
 CORE Bible Studies 12:30 & 5:00 pm  
 (2nd & 4th Sunday)  
**WEDNESDAY**  
 Adult Studies.....2:00 pm  
 AWANA for Kids.....6:15 pm  
 Adult & Youth Studies .....6:30 pm

*Come and worship with us*



### Live Stream on ELMIRA BAPTIST CHURCH

Independent Baptist Church - KJV  
 Scott Dean - Pastor  
 6111 California Pacific Rd.  
 Vacaville, CA 95687  
**Sunday School 9:45-10:45 a.m.**  
**Sunday Morning Worship 11 a.m.**  
**Sunday Evening Worship 5 p.m.**  
**Wednesday Prayer Meeting and**  
**Bible Study 7 p.m.**  
 (Nursery is provided in all services)  
**Website:** www.elmirafamily.com  
**Email:** elmiraibaptistchurch77@gmail.com  
**Phone:** (707) 430-3529

## CHURCH OF CHRIST

**YOU** are the one that God loves the most  
 Come worship with us so we can learn  
 from **YOU**.



### Services Temporarily Suspended

**Sunday Morning Bible Study ..... 9 AM**  
**Sunday Morning Worship ..... 10 AM**  
**Sunday Evening Worship ..... 6 PM**  
**Wed. Evening Bible Study ..... 7 PM**  
*Homeless ministry at Mission Solano*  
**Rescue Mission 1st Friday of month 6-8 PM**  
**CHURCH OF CHRIST - SOLANO**  
 1501 Marshall Road, Vacaville, CA 95687  
 707-451-9301 • www.churchofchristlosano.com

## CHURCH OF JESUS CHRIST

### THE CHURCH OF JESUS CHRIST of LATTER DAY SAINTS

Fairfield Stake Center  
 2700 Cambridge  
**Services Temporarily  
Suspended**  
 Base Sacrament Services  
 DGMC Chapel  
 (1st Floor North entrance)  
 Sunday 1600-1630

Inquires: Call LDS Military  
 Relations Missionaries  
 707-535-6979

## EPISCOPAL



**Grace Episcopal  
Church**  
 1405 Kentucky Street  
 Fairfield, CA 94533  
**Sunday Services:**  
**8:00 a.m.**  
 Holy Eucharist Rite I  
**9:15 a.m.**  
 Pastor's Forum  
**10:00 a.m.**  
 Holy Eucharist Rite II  
**Tuesday Service:**  
**10:00 a.m.**  
 Healing Eucharist  
 Childcare Provided for all Services  
 For additional information or  
 Live Stream at:  
 www.gracechurchfairfield.org  
 or contact the office at 425-4481  
 Welcome home to an Open, Caring,  
 Christian Community

# DIRECTORY OF local worship services

For advertising information about this direc-  
 tory, call Classifieds at 707-427-6973 or email:  
 lvargas@dailyrepublic.net

## LUTHERAN



**BETHANY LUTHERAN  
MINISTRIES**  
 621 South Orchard Ave.  
 Vacaville, CA 95688  
 (707) 451-6675  
 Live stream at: gobethany.com  
**Worship Services:**  
 Sunday: 10:00am with Bible Studies and  
 Sunday School for all ages at 9:00am  
 Fellowship: 11:15am  
 Communion on the 1st and 3rd Sundays of  
 the month @ 621 S. Orchard Ave., VV  
 Reverend Phillip Pledger  
 Senior Pastor  
**Bethany Lutheran Preschool**  
 451-6678  
 mypreschool@gobethany.com  
 www.gobethany.com

**Bethany Lutheran School**  
 1011 Ulatis Drive  
 Vacaville, CA 95687  
 451-6683 ph • 359-2230 Fax  
 myschool@gobethany.com  
 www.gobethany.com

## NAZARENE



10am Sunday  
 310 Parker Street  
 Vacaville, CA 95688

Please visit sonrise-vv.org for online  
 details  
 nazarene.org

## NON-DENOMINATIONAL

### Church of Christ

1500 Alamo Drive  
 Vacaville, CA 95687  
 (707) 446-0835

### Services Temporarily Suspended

**Sunday Morning**  
 Bible Classes ..... 9:30 am  
 Assembly Worship ..... 10:45 am  
 Evening Assembly Worship ..... 5:00 pm  
**Wednesday Evening**  
 Bible Classes ..... 7:00 pm  
 Classes also by appointment  
 Elders:  
 Mark McCallister (707) 446-7477  
 Ed Sanderson Sr. (707) 446-0536

## NON-DENOMINATIONAL



A Passion to...  
 Worship God • Love People • Share Christ  
**A Non-Denominational Bible  
Teaching Church**

### Services Temporarily Suspended

*We offer:*  
 • Nursery • Children's Classes  
 • Youth Ministries  
 • AWANA Program  
 • Men's & Women's Bible Studies  
 • Prime Timers (Seniors Ministry)  
 • In Home Mid-Week Bible Studies  
 • Celebrate Recovery  
**Bruce Gallaher, Lead Pastor**  
**707-446-9838**  
**www.cccv.me**  
 190 Butcher Road, Vacaville, CA 95687  
 (off of Alamo, Just South of I-80)

## NON-DENOMINATIONAL

### Vacaville Church of Christ

401 Fir St., Vacaville, CA 95688  
 (707) 448-5085  
 Minister: Ryan Brewer  
 Sunday Morning Bible Study  
 9:30 AM  
 Sunday Morning Worship  
 10:30 AM  
 Sunday Evening Worship  
 6:00 PM  
 Wed. Evening Bible Study  
 7:00 PM  
 www.vacavillecofc.com  
 If you would like to take a free Bible  
 correspondence course contact:  
 Know Your Bible Program  
 401 Fir Street • Vacaville, CA 95688  
 (707) 448-5085

## NON-DENOMINATIONAL

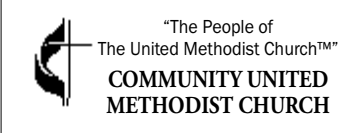


The Father's House  
 4800 Horse Creek Drive  
 Vacaville, CA 95688  
 (707) 455-7790  
 www.tfh.org

Service Times  
 Saturday: 6pm  
 Sunday: 9am & 11am

Live Stream at

## UNITED METHODIST



1875 Fairfield Avenue, Fairfield  
**Phone: 707-426-2944**  
**Email: info@cumcfairfieldca.org**  
**Website: cumcfairfieldca.org**  
**Visit Online for Live Stream**

**Pastor Anne Choy**  
 Worship Service 10:30 a.m.  
 Sunday School for Children  
 during the Worship Service  
 Communion - 1st Sunday of  
 each month  
 Children, Adult and Bell Choirs  
 Young Adult Ministries  
 Adult Bible and Book Study Classes  
 United Methodist Women  
 United Methodist Men



**Sundays**  
 9:30, 11:30 am,  
 2:00 pm (en Español)  
**2641 N. Texas St.**  
**Fairfield, CA**  
**(707) 425-9673**

**New Sulsun Location!**  
 Thursdays at 6:30 pm  
 Joseph Nelson Center  
 611 Village Dr., Suisun City, CA

**LibertyFairfield.com**



### "To know Him, and to make Him known"

490 Brown Street  
 Vacaville, CA 95688  
 707-446-8684

**Sunday Services:**  
 Sunday School 9:45am  
 Morning Worship 11am  
 Evening Worship 5pm

**Thursday Service:**  
 Prayer Meeting 7pm  
 Bible Studies throughout the week

**Pastor Ben Smith**  
**www.vacavillebiblechurch.com**  
**office@vacavillebiblechurch.com**

Live Stream on:



*We exist as a church to love, live, and  
 declare the supremacy of Jesus Christ in all  
 things, to all people. Christ dependent, Spirit  
 Dependent, Word Saturated, Love Driven.*

**Sunday Worship Services**  
 9am and 11am, 10am only in the summer  
 • Men's and Women's Bible Studies  
 • In Home Small Group's  
 • Awana  
 • Kids Choir  
 • Jr High and High School Ministries  
 • Sunday morning children's Sunday school  
 • Nursery and Preschool Sunday morning  
 classes  
 • Neighborhood Tutoring Center  
 • Much to be part of  
 www.eparkway.com  
**2397 Heath Drive Fairfield, CA**  
**707-425-7675**

Member of Gospel Coalition  
**www.thegospelcoalition.org**



*Celebrating our oneness, honoring our diversity*  
**350 N. Orchard Ave,**  
**Vacaville - 447-0521**  
 unityvv@pacbell.net  
 www.unityvacaville.org

**Sunday Morning**  
 8:00 am Coffee with God  
 10:00 am Contemporary  
 Celebration with Youth Education  
**Wednesday Evening**  
 6:30 pm Non-Denominational  
 Meditation Time  
 7:00 pm Contemplative Prayer

**Come Home to Unity**  
**It's Like Blue Jeans for the Soul**  
 Affiliated with publisher of Daily Word®



# Pain

From Page 5

“The problem is that any office furniture, whether it’s at home or on base, is usually made as a one-size-fits-all design, and while most are adjustable, it just doesn’t fit certain body types and heights,” he said. “The ideal setup actually should be set for the individual so their body is supported to avoid poor posture for prolonged times.”

Wheeler recommends people raise their armrest so their shoulders feel slightly shrugged up to the ceiling in a relaxed position, sit with their hips slightly above their knees, and avoid a forward head position.

“An ideal chair would generally be as adjustable as possible, with a locking back, adjustable armrests in all directions, not just up and down, and adjustable height,” he said. “I also recommend that some people place a phone book or small stool at their feet so they can alter their foot position while they are sitting.”

In addition to using ergonomically sound furniture,

desk workers can keep physical problems at bay by engaging in posture exercises throughout the workday, Wheeler said. These include exercises such as back extensions, chin tucks and shoulder shrugs – all recommended in a handout produced for last year’s 59th Medical Wing Health Rally at Joint Base San Antonio-Randolph.

Taking breaks is one of the most important things someone with a desk job can do, whether at home or the office, Wheeler said.

“Breaks don’t have to be a complete stoppage of work; they can be having a standing desk and switching positions two to three times an hour, and they can also be five repetitions of a simple exercise that can be done hourly,” he said. “I try to set a timer on my phone for 15 minutes after my last patient of the morning and afternoon, when I am stuck on my computer typing notes. Otherwise, I end up in poor posture with headaches and shoulder pain.”

Exercises and taking breaks help office workers avoid prolonged positions, which are not ideal for the body, Wheeler said.

“Sitting is one of the worst

prolonged positions for many reasons,” he said. “In sitting, a lot of underlying issues that aren’t painful when standing or working out can become problematic and spread to other aspects of life. The hips are usually flexed close to end range, which compresses a lot of structures, and the shoulders round forward when we slouch, which causes the head to protrude forward. Add a computer monitor and office chair with a soft back to the mix and all of this tends to be made much worse.”

One of the problems with prolonged sitting is that one’s posture gets worse over time due to weakness and flexibility issues, Wheeler said.

“I tell my patients that if they want to see perfect sitting posture, then they should go by pediatrics to see 3-year-olds who haven’t been in a classroom yet,” he said.

Although teleworking can take a greater toll on the body due to inadequate home office conditions, Wheeler sees one benefit.

“If anything, people with a chronic issue now have time to finish up their work and then book some appointments to take care of things,” he said.

# Retiree

From Page 5

Activities Office Facebook page by typing in Travis AFB Retiree Activities Office.

To access the groups, expand the navigation bar on the left-hand side of the Travis AFB CA Retirees Activities page. You will see two group names appear in a dialog box. Here are the groups:

- Northern CA and Bay Area Military Retirees.
- Northern CA Military Retirees.

Right click on the group name to visit it and request to join.

These are closed groups, so retirees, 100 percent disabled veterans and Purple Heart recipients will have to request membership on the initial visit to the group pages to gain access to group posts.

The RAO administrator will review the request and approve membership. After membership is approved, the new group member can post comments,

## More info

For more information about the Travis Air Force Base Retiree Activities Office, visit the official site at <https://bit.ly/2CC3Hcd> or the new Facebook page at <https://bit.ly/3h5m5sY>.

upload files and download documents and updates we post regarding retiree and veterans’ benefits.

The ground rules for membership are keeping posts civil, relevant, free of coarse language and relevant to issues facing military retirees and veterans. Secondly, make sure anything posted conforms to copyright restrictions and that it is in the public use arena.

For those with retired military or veterans who are friends, let them know about the Facebook page and encourage them to join our groups. It is a great way for them to communicate with the Travis RAO and keep current on the issues that affect them in retired life.

Visit Travis at [FACEBOOK.com/TravisAirForceBase](https://www.facebook.com/TravisAirForceBase)

# HOME • BUSINESS • SERVICES DIRECTORY

## C190 CONCRETE WORK

**Pennella Concrete**  
Driveways, Patios, Walks  
Colored & Stamped  
**FREE Estimates**  
(707) 422-2296  
Cell 326-7429

## C190 CONCRETE WORK

**Dennis & Son Concrete**  
DRIVEWAYS - PATIOS - FOUNDATION  
PAVERS - COLORED & STAMPED  
St. Lic# 476589 A+B88 Insured  
**800-201-2183**  
We'll beat any licensed contractors bid

## C190 CONCRETE WORK

**M.C. MANZO CUSTOM CONCRETE**  
• PATIOS • DRIVEWAYS,  
• SIDEWALKS • GARAGE SLABS  
• COLORED • STAMPED  
• REMOVE & REPLACE  
• BROOM FINISH LIC# 859823  
**FREE ESTIMATES!**  
**707-689-7980**

## H120 HAULING

When You Want It Gone...  
... call John  
**JOHN'S HAULING**  
(707) 422-4285  
FREE Estimate • Same Day Svc  
Insured License #04000359  
Credit Cards Accepted  
[www.422haul.com](http://www.422haul.com)

## H120 HAULING

**MITCHELL'S**  
HAULING, CLEANING, ORGANIZING,  
PACKING & DOWNSIZING  
KATHY MITCHELL  
Owner  
**FREE ESTIMATES**  
**SAME DAY SERVICE**  
LICENSE 102443 • INSURED  
**CELL (707) 386-1312**

## H160 HOUSE CLEANING

**A & A Professional Cleaning Services**  
Carpet & Upholstery,  
Kitchen & Baths, Windows, Etc.  
Lic'd & Insured  
**707-386-3004**

## L105 LANDSCAPING

**YARD SERVICES**  
Free Estimates  
City Lic. #90000360  
**(707) 425-7284**

## L105 LANDSCAPING

**Gastelum Tree Service & Landscaping**  
Licensed and Insured  
**707-718-0645 / 678-2579**

## L105 LANDSCAPING

**FOUR BROTHERS**  
Yard Service • Clean Up  
Hauling • Trees • Fencing  
Maintenance  
**707-426-4819**

## L105 LANDSCAPING

**TRUJILLO**  
Complete Yard Care  
Landscaping • Sprinklers  
Clean-up • Fences • Concrete  
**Call Today**  
**(707) 631-1542**  
No St. License

## L105 LANDSCAPING

**T & T TREE & LANDSCAPING SERVICE**  
20 Years Experience  
Complete Professional Tree Service  
Tree & Stamp Removal Any Size  
Pruning • Trimming • Shaping  
Landscaping • Soil Installation  
Irrigation Systems & Sprinkler Repair  
**Insured & Free Estimates**  
**707-426-1251 • 707-290-2679**

## L105 LANDSCAPING

**Frank's Landscaping**  
• New Lawn • Artificial Lawn  
• Irrigation • Fences  
• Retaining Wall  
• Tree Cut/Clean Up  
• Concrete (Reg & Stamp)  
• Pavers • Hard Scapes  
• Drainage • Tile • Decks  
Patio Covers  
Complete Landscaping Since 1984  
Exp'd & Reliable  
CA St. Lic. #620746  
**707-738-0214**

## L110 LANDSCAPING MAINTENANCE

Free Estimates  
**Go Green**  
Lawn & Landscape  
*We Specialize in*  
• Maintenance • Sprinkler Systems  
• Shrub Trimming • Drip Systems  
• Fencing • Rock/Mulch  
• Sod • Clean Ups  
(707) 655-3627  
[gogreenlandscape18@gmail.com](mailto:gogreenlandscape18@gmail.com)  
Lic# 19000091 & Insured

## L131 LAWN MOWER REPAIR

**Charlie's**  
Lawn Mower & Saw Repairs  
• Retainers • Blowers • Generators  
• Weed Trimmers • Pressure Washers  
**WE BUY AND SELL USED LAWN MOWERS**  
**707-429-3698**

## L140 LOCKSMITH

**FAIRFIELD SAFE & LOCK CO.**  
Keys • Locks • Safes  
Changed, opened, repaired  
& installed.  
Deadbolt & foreign car specialist  
24 Hr. Emergency Service  
811 Missouri St. • 426-3000

## P100 PAINTING

**BELLA PAINTING**  
Superior Quality  
& Craftsmanship  
**(707) 631-6601**  
LIC # 678915

## P100 PAINTING

**#1 ANDY SUNRISE**  
Int./Ext. Acoustic  
Removed & Texture  
SUNRISE PAINTING  
707-425-7542 PHONE  
707-290-8179 CELL  
707-425-1381 FAX  
INS. BY CALL 1079169

## P100 PAINTING

**EXCELLENT PAINTING**  
Residential • Commercial  
[www.paintingexcellant.com](http://www.paintingexcellant.com)  
[teannature@aol.com](mailto:teannature@aol.com)  
**707.426.3411**  
or 707.580.4656  
Cell Lic. #461531

## R130 ROOFING

**REGIONAL ROOFING CO.**  
RESIDENTIAL RE-ROOFING  
• Free Estimate  
• Senior Discount  
Lic. #570655  
**707-422-7948**

**SCANDINAVIAN DESIGNS**

FURNITURE

VISIT OUR VACAVILLE STORE  
AND ASK ABOUT OUR

**15%  
MILITARY  
DISCOUNT\***

\*APPLIES TO REGULAR PRICED PURCHASE ONLY.  
TERMS APPLY. VISIT STORE FOR DETAILS.

STORE HOURS  
MONDAY – SATURDAY: 10AM – 6PM  
SUNDAY: 11AM – 6PM

[www.scandinaviandesigns.com](http://www.scandinaviandesigns.com)



266-A Bella Vista Road, Vacaville, CA 95687 | 707.447.4449

*For Service Source  
Information  
Call Classifieds  
Today At  
(707) 427-6936*



R130 ROOFING

**CAL ROOFING  
SYSTEMS**  
INC.

**"Locals Serving Locals"**  
For Over 31 Years  
**FREE ESTIMATES**  
**(707) 447-3132**  
CalRoofingSystems.com  
CA LIC #560708

T120 TILE

**J&S TILEWORKS**  
30 Years Experience  
**(707) 365-2244**  
Indoor Tile ■ Outdoor Tile  
Tile Repairs ■ Swimming Pools  
Patios ■ BBQs ■ Flooring  
**FREE ESTIMATES**  
Materials upon request Lic. and bonded #640930

**Home  
Improvement  
TIME?**

Let Service Source help you find the  
Perfect Professional  
to meet all your home needs.

Service Source

**TAILWIND Classified 427-6936**



**You'll love what you find  
in today's Classifieds.**

**Tailwind  
CLASSIFIEDS**  
In Print & Online  
**www.dailyrepublic.com**

**0343 ROOMS  
FOR RENT**  
Furnd., Mater bdrm., 2  
walk in closets, priv.  
ba. Full house priv.  
\$1,500 mo., incld.,  
utils. 415-385-0842

**0701 RVS/TRAVEL  
TLRS.-SALE**  
**MUST SEE**  
2015 Hideout Travel  
Trailer. 19', sleeps 6/7,  
auto awning, inter. va-  
cuum, stereo, USB  
ports, new sewer hose.  
\$9,000 Bank pay off.  
Located at Dover mo-  
bile Home Park, Fair-  
field. Contact  
josette50@msn.com

**0810 SUVs - 2WD**  
  
2010 Highlander SE  
Limited. Gray, lthr.,  
2wd V-6. A/T, all pwr.,  
very clean. \$9,900  
obo. DLR #42203.  
(707)280-6816 Quin-  
terosautosales.com

**0851 TOYOTA**  
  
2005 Camry LE. A/T,  
all pwr., 4 cyl. Runs  
great. Smog, clean  
title. \$3,999. obo DLR  
#42203. (707)280-  
6816 Quinterosautos-  
ales.com

**0824 FORD**  
  
Collector 2006 Crown  
Victoria LX. Lthr. in-  
terior. low mi. \$5,000  
obo. Call for more info.  
707-366-5753  
leave mess.



**Here's  
your  
keys  
to  
savings.**

Look in the  
Daily Republic's  
Auto Section of the  
Classifieds.  
**www.dailyrepublic.com**

**Stack up  
the savings  
you'll find  
in the  
Tailwind  
Classifieds**  
**707.427.6936**  
dailyrepublic.com

## Nurse

From Page 6

A retired Air Force colonel recommended McGuigan to Hemby and the command nurse reached out to the critical care nurse.

"I wanted to make sure she realized what was required for the job," Hemby said. "When we talked about deployments, required training and physical demands, she was all in. She told me that fitness had always been important to her and she had no doubt she could pass the fitness requirements."

Master Sgt. Felicia Mintz, an AFRC health professions recruiter, was McGuigan's recruiter for most of the process.

"Capt. McGuigan was wonderful to work with," Mintz said. "She always had a positive attitude and was on top of anything I needed from her. The biggest challenge was the age-waiver process."

"Many times, the older leads are already in management/administrative positions and don't meet the hands-on experience needed," Mintz said. "As a Reservist, you need to be able to

maintain your critical care certifications through your civilian employment. If you're not working in a critical care environment, you will not be able to do this."

Another challenge is being physically qualified through a Military Entrance Processing Station, or MEPS.

"It doesn't matter what age the applicant is, they have to meet the same physical requirements for entry as an 18 or 20-year-old," Mintz said.

"The process of joining was a bit like running a race," McGuigan said. "A lot of it is mental endurance. Going to MEPS was one of the bigger challenges. If I remember correctly, the paperwork went back and forth at least three times before I had my appointment. My favorite part of MEPS was when I was referred to as 'a person of advanced age.' That made me laugh out loud."

In total, the process that led to McGuigan's oath took more than a year and a half, but she never wavered in her desire to serve.

She was sworn into the Reserve June 6 via video teleconference.

After 18 months of striving

to join the Reserve, the day had finally arrived.

"After all the ups and down, I think there was a part of me that wasn't entirely sure it would happen," she said. "After I took the oath and everyone started calling me captain, I think I giggled every time. It was such an amazing honor that Col. Hamby was able to do my oath by Zoom meeting and that my family and friends were able to be there."

Mintz found inspiration working with McGuigan.

"Her determination is extremely motivating," Mintz said. "Capt. McGuigan is a great example to the younger generation about perseverance. There was never any guarantee she was going to be able to join, but her mindset was to keep moving forward in the process until she either couldn't go anymore or she was able to oath in."

Now that McGuire is officially a Reserve Airman, she is ready to do whatever is asked of her.

"I don't have expectations other than to serve where I am most needed and where my skill set can be of the most help," she said. "I will proudly serve in whatever way I can."

# AFCENT welcomes familiar face as new commander

**U.S. Air Force Central Command Public Affairs**

AL UDEID AIR BASE, Qatar — U.S. Air Force Lt. Gen. Gregory Guillot became the 17th commander in U.S. Air Forces Central Command history July 16 as he took command from U.S. Air Force Lt. Gen. Joseph Guastella during a change of command ceremony at Al Udeid Air Base. U.S. Marine Corps Gen. Kenneth McKenzie, commander of U.S. CENTCOM, presided over the ceremony.

"(Guillot) is inheriting a high-functioning command that is operating on all cylinders," McKenzie said. "I have full faith and confidence in his leadership capabilities, and I know he will continue the tradition of excellence this command has achieved."

Guillot will serve a dual-hatted role as both commander of AFCENT as well as the combined forces air component commander. As AFCENT commander and CFACC, the 31-year veteran is charged with working closely with coalition, joint, and interagency partners to lead a combined force that delivers decisive air and space power, and promotes security throughout U.S. CENTCOM's 20-nation area of responsibility.

"The cornerstone of AFCENT's operational success over the years has been the unbreakable bond shared between our regional partners,"

Guillot said. "I assure all partners that we will remain unified in our efforts to deter adversaries and combat terrorism and extremism in order to bring lasting stability."

Prior to this assignment, Guillot served as the director of operations for U.S. Northern Command at Peterson Air Force Base, Colorado. AFCENT is familiar territory for Guillot, as he served as both deputy commander and deputy combined forces air component commander from April 2018 to May 2019.

"The CENTCOM staff and components comprise a great war fighting team, and I'm privileged to rejoin that team," Guillot said. "I promise to be a trusted and reliable teammate as we support each other across the region."

Guastella departs AFCENT after more than two years in command. Under his leadership, AFCENT flew more than 45,000 sorties in direct support of Operation Inherent Resolve and Resolute Support as well as providing a credible deterrent force for U.S. CENTCOM.

"There are 18 airpower nations represented right here at this (Combined Air Operations Center) that have come together to handle the threats in this theater," Guastella said. "We are more lethal, more precise, and more capable of defending ourselves from the air than we have ever been, and it's because of the coalition."

## Providing VA Loans Locally!

*Fulfilling the dream of Homeownership for our Veterans since 1994*

**We can EASILY close a VA loan transaction in 19 - 22 days here locally, So if you want to get it done Quickly at a Great Rate and Low Fees, with the same person from the beginning till the end, Let's Talk.**

Great Service, Excellent Communication,  
Experienced VA Underwriters, Local Office!

We have NO OVERLAYS! We can do a VA Loan 2 yrs after a Short Sale, Foreclosure or Bankruptcy AND we can do scores down to 580 and ratios up to 65%!

We know how to structure a VA No No...  
No down, No closing costs! 0 Nada!

We have been able to successfully get COE's approved when other companies cannot get your eligibility restored!

We regularly beat other lenders quotes and we are right here Locally near the 'In and Out Burger'.

**START HERE! We will quickly approve you for your VA loan and we will refer you to a great REALTOR® who will show you homes in your price range and will negotiate the seller credits you need to keep your out of pocket expenses to a minimum!**



**George R. Kalis**  
Broker/Owner

**707.759.5129**

*We can use ANY Bank or Investors Wholesale dept. we are not confined to just one source!*



1300 Oliver Rd., Ste. 140 • Fairfield • George@NIMBLoan.com • NMLS #270402 • DRE#02077932 • NMLS #1818509



**TAILWIND Classified**

**Deadlines**  
To place, correct or cancel an ad, the advertiser must meet the current deadline schedule. In the event of a holiday, or unforeseen circumstances, advance deadlines may be in effect.  
**Classified In-Column Ads**  
Tailwind (Friday).....Wednesday 5:00pm  
Faxed and E-mailed Ads.....2 hours earlier than above deadline

**Place An Ad  
24 Hours A Day!**  
**Phone:** (707) 427-6936  
**Fax:** (707) 425-5924  
Email: drclass@dailyrepublic.net

**How to Write An Ad**

- Put yourself in the reader's shoes. What would you want to know about the product or service you are interested in? Be descriptive.
- Include a brand name, if available.
- List the features of your product or service. What makes it different from other items in the same category?
- Avoid abbreviations. They can abbreviate your results. (The Tailwind uses only standard abbreviations and requires proper punctuation.)
- Include the price.
- Include your phone number and the best times to call.

**Copy Acceptance • Cancellations  
Payment • Adjustments**

**Copy Acceptance:** The Tailwind reserves the right to classify all advertisements, to delete objectionable words or phrases or to edit or refuse any advertisement. Classified advertisements are accepted in good faith and must specify a bonafide offer. The Tailwind accepts only standard abbreviations and requires proper punctuation. Better results will be secured from ads that are easily read and understood.

**Cancellations:** Deadlines for ad cancellations are the same as those for placing ads. You will be billed only for the days your ad actually runs, unless it is a special rate package.

**Payment:** All ads are accepted subject to credit approval. (Some classifications must be pre-paid). The Tailwind may require payment in full before accepting new ad copy or require cash with copy.

**Adjustments:** Please check your ad the first day it is published. The Tailwind is not responsible for errors after the first day. Publisher accepts no liability for errors or omissions. If you find an error, please call 427-6936 so we can make a correction and, if necessary, adjust your bill.

**Upgrade Your Ad**

These features, plus more, are available to make your ad stand out and get noticed:

**LOOK** Add this logo to your ad for \$1.00

 Add a photo for only \$2.50 per week plus the cost of your ad (Commercial rate slightly higher.)

**Where To Find An Ad**

100 - Announcements	500 - Employment
200 - Real Estate	600 - Merchandise
275 - Commercial Prop.	675 - Pets, Farm & Garden
300 - Rentals	700 - Recreational Vehicles
400 - Bus. Op. & Financial	800 - Automotive

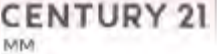


**Given the opportunity to serve you  
will be a *win Winn* situation!**

The Keys to your Dream Home are within reach.  
**The market is HOT! To get moving, call me**

**Monica Winn**  
REALTOR® DRE# 1971960

**(707) 344-4237**





Drones

From Page 9

“Sending Unmanned Aerial Systems instead can usually accomplish mapping and studies of the habitat much faster and more efficiently, which in turn provides a cost saving,” Dickens said.

While saving time and money is an important part of the project, making sure assessments are accurate is essential to continuing military training activities at JB San Antonio-Camp Bullis.

“The biological opinion provided by USFWS to Camp Bullis dictates the minimum size of habitat needed for this species, as well as the basic biologic parameters to measure,” Jurena said. “It requires JBSA to assure a minimum of 5,000 acres of suitable habitat based upon tree size, species, and density parameters. With the new UAS technology acquired through the SBIR award, the process should be faster, and much more accurate.”

“The UAVs, depending on their sensors, can identify and determine parameters that the human just cannot, which

increases accuracy and identification of specific habitats,” Dickens said. “The systems also support machine learning algorithms, or artificial intelligence programs, that can learn from data and improve from experience, without human intervention.”

The ability to achieve repeated results is also important to the effectiveness of the project.

“By having data about the habitat that is repeatable, and can be easily gathered through a UAS, makes for easier determinations on where the breeding habitats are, and thereby, benefiting JBSA and their training mission,” Jurena said. “This platform can give installation biologists better ideas of where the habitats are and can identify those areas that need further evaluation.”

This information is important to those who train at JB San Antonio-Camp Bullis.

“Once the habitats are assessed, the location and identification of habitats give mission and training personnel knowledge of where they need to avoid,” Jurena said.

The testing accomplished thus far has involved a small-scale UAS with

multi-spectral imagery and light detection and ranging, or LiDAR, sensors to classify habitat suitability for the golden-cheeked warbler, Jurena said.

During a recent outing with the UAS, July 9 and 10, the results were positive.

“Overall, the flights were a success and the results are very promising,” Dickens said. “AFIMSC and Air Force Civil Engineer Center are working toward a path for additional testing. Once complete will have a better understanding of the needs and feasibility for wide-scale implementation.”

The ability to utilize the technology and the data collected across a wide variety of agencies is what makes the completion of testing and beginning of implementation so important.

“Once fully operational, the cloud-based platform utilized with the UAS will allow multiple users to access and use the information collected for their requirements,” Dickens said.

“The UAS platform itself is modular in design that can be customized for flight controls and components,” Jurena said. “The payload attachment is also customized that can accept a variety of sensors with minimal tools and equipment

modifications. In short, the UAS platform flown is adaptable to both flight components and payload attachments with minimal downtime.”

As testing continues, the UAS’ capabilities will continue to improve and will broaden to expand its usefulness.

“The UAS platform flown July 9 and 10 provided LiDAR data for further refinement of habitat classification that was not possible with just regular and multi-spectral imagery from last year’s UAS flights,” Jurena said.

Once all processes are proven, Jurena said the team’s innovation will quickly be shared with others who may benefit.

“If the UAS/UAV methodology works well here, it could help other Department of Defense installations,” he said. “It can provide another survey tool for USFWS and state biologists to assess this species at their refuge sites, as well as multiple other uses.”

In addition, future classifications of the program’s UAS could include their use for infrastructure inspections, to detect water and fuel leaks, and other routine inspections,” Jurena said. “This really is a win-win for the Air Force and the Department of Defense.”



Your Credit Union — Travis Credit Union

We’ve taken care of Service Members and their families for nearly 70 years by offering **lower rates** on Auto and Home Loans, along with local, knowledgeable help. Right on base.

We’re also online, so you can easily manage your money and apply for loans and credit. And if you PCS, we’re still with you: on your smartphone or computer, or at more than 30,000 ATMs in the Credit Union CO-OP Network.



traviscu.org | (707) 449-4000 or (800) 877-8328

Federally insured by NCUA. Everyone who lives, works, worships or attends school in our 12-county area is eligible to join. Certain membership eligibility requirements may apply. Equal Housing Opportunity. NMLS #643926



We’ve got some big boots to fill.

Schwab is proud to be the exclusive provider of wealth management and investment brokerage services for USAA members. To the men and women who have served our country—and their families—it’s our honor to be part of your lives and your financial future.

Because we share the guiding principle of putting clients first, you can still expect to receive the service, value, and integrity you deserve. And you can be assured of our unwavering commitment to you, your family, and the military community.

Together, we stand ready to serve you.

Charles R. Schwab

Charles R. Schwab  
Chairman & Founder  
The Charles Schwab Corporation



Tom Fargo

Thomas B. Fargo  
Admiral, U.S. Navy (Ret.)  
Chairman of the Board, USAA



USAA means United Services Automobile Association and its affiliates.

Use of the term “member” or “membership” refers to membership in USAA Membership Services and does not convey any legal or ownership rights in USAA. Restrictions apply and are subject to change.

USAA Investment Services Company (ISCO), a registered broker-dealer and a registered investment adviser, provides referral and marketing services on behalf of Charles Schwab & Co., Inc. (Schwab), a dually registered investment adviser and broker-dealer. Schwab compensates ISCO for these services.

© 2020 USAA. 271566 - C620

GET IN GEAR



Get your search moving by driving your car shopping to the classifieds.

Daily Republic  
427-6936

www.dailyrepublic.com