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# SPACE OBSERVER

THURSDAY, FEB. 7, 2019

PETERSON AIR FORCE BASE

## STARBASE Peterson - An alternate method of learning



(U.S. Air Force photo by Cameron Hunt)

PETERSON AIR FORCE BASE, Colo. — Carol Rieping and Fola Davidson, 21st Force Support Squadron STARBASE instructors, demonstrate a project launch experiment, Jan. 31, 2019 at Peterson Air Force Base, Colorado. STARBASE Peterson is a school program that offers free enrichment programs that focus on teaching kids science technology engineering and math skills.

By Cameron Hunt | 21ST SPACE WING PUBLIC AFFAIRS

PETERSON AIR FORCE BASE, Colo. — The STARBASE facility provides a unique education experience for students of military members and civilians across four different school districts. Peterson Air Force Base is one of more than 60 STARBASE sites in the U.S., including a site in Puerto Rico.

“We teach students in a fun, engaging environment, free from homework and assessments,” said Patricia Smathers,

21st Force Support Squadron STARBASE Peterson director. “Our emphasis is on math and science, which covers lessons in physics, chemistry, 3D software, GPS receiver usage, nanotechnology and the study of the engineering design process. On average, we have 1300 students and conduct over 56 5-week classes annually.”

STARBASE is an acronym for Science

See STARBASE page 11



**I like being able to support flight members by fixing problems and making their daily duties easier.**



YEAR OF THE  
DEFENDER

## Air Force ends promotion testing for E-7 and above

SECRETARY OF THE AIR FORCE PUBLIC AFFAIRS

ARLINGTON, Va. — The Air Force announced today it is removing the Weighted Airman Promotion System testing requirement for active-duty promotions to the grades of E-7 through E-9, beginning this fall with the 2019 E-9 promotion cycle.

The memo, signed Jan. 31, 2019, removes the phase one requirement for senior non-commissioned officers to test for promotion, allowing promotion boards to identify the best qualified Airmen to promote into the senior noncommissioned officer corps.

Prior to the policy change, promotions were conducted through a two-phase process. Phase one consisted of a Promotion Fitness Exam and Specialty Knowledge Test, while phase two consisted of a central evaluation board.

“We continue to transform talent management across the force,” said Lt. Gen. Brian Kelly, Air Force deputy chief of staff for manpower, personnel and services. “This adjustment focuses on performance being the driving factor we consider when selecting our senior noncommissioned officers. It also continues our work toward increasing trans-

parency and making our processes simple.”

The Air Force will use a promotion board process similar to the board process used by officers.

“We trust this board process will continue to give senior leaders and commanders the greatest level of confidence that the right individuals are being selected for promotion to the top enlisted ranks,” said Chief Master Sgt. of the Air Force Kaleth O. Wright. “We found that removing the testing portion will eliminate any possibility that Airmen without the strongest leadership potential might test into promotion, while also ensuring that

our strongest performers continue to earn the promotion they deserve.”

Promotion boards will continue to score records using the current scoring process as well as reviewing the last five years of evaluations and all awards and decorations. Decoration points will no longer be utilized because the board will be considering all decorations during its review and scoring records accordingly.

Additional guidance will be published in an upcoming Air Force guidance memorandum or revised Air Force instruction after the last evaluation board is completed.

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# 21ST SPACE WING

## COMMANDER'S CORNER

# Special Needs Dependents



By Master Sgt. Darren Snider | 21ST SPACE WING PLANS AND PROGRAMS

PETERSON AIR FORCE BASE, Colo. — There are many military members that have a dependent (or dependents) with special needs. “Special needs” is a term that usually describes someone that has a physical, emotional, behavioral or learning disability. Sometimes it is not just children born with disabilities, but can also be an unfortunate accident or debilitating occurrence later in life.

To military members, this can sometimes add a whole other level of stress to daily life.

This article is not meant to be a sob story about just my situation, but to bring more awareness and understanding to military members with special-needs dependents and the added stress that they and their families deal with.

In my case, my son is on the autism spectrum. The descriptors that fall under the umbrella of the autism spectrum include attention deficit disorder, oppositional defiant disorder and others.

My son looks perfectly healthy to most people, and for the most part he is physically healthy, but he has suffered from seizures and has, at times, really bad behavioral and emotional problems.

Sometimes those behaviors happen at the worst times and in the worst locations.

For example, we have previously been in stores when he has had a total meltdown, falling to the floor, kicking and screaming because of something he didn't agree with or was frustrated.

Most people don't understand why an older child is behaving that way; then, as parents, we get scoffed at and have rude comments said to us.

I have had to physically restrain my son at times so he wouldn't hit his sibling; that was fun explaining to local law enforcement! Although he is improving as he gets older, he still has meltdowns, often despite our best efforts at de-escalation and situational changes.

My wife and I never thought we would have a child with disabilities. I think everyone knows it is

a possibility but hopes it never happens. Even so, we love our children very much and strive to give them the best life possible.

I will readily admit that until my wife and I had a child with disabilities, we really didn't have understanding of (or much sympathy for) families coping with disabled dependents. We soon found out and quickly understood how stressful it was, both mentally and emotionally.

It's funny how life happens and before you know it, you have a profound understanding and compassion toward other people's struggles and life situations.

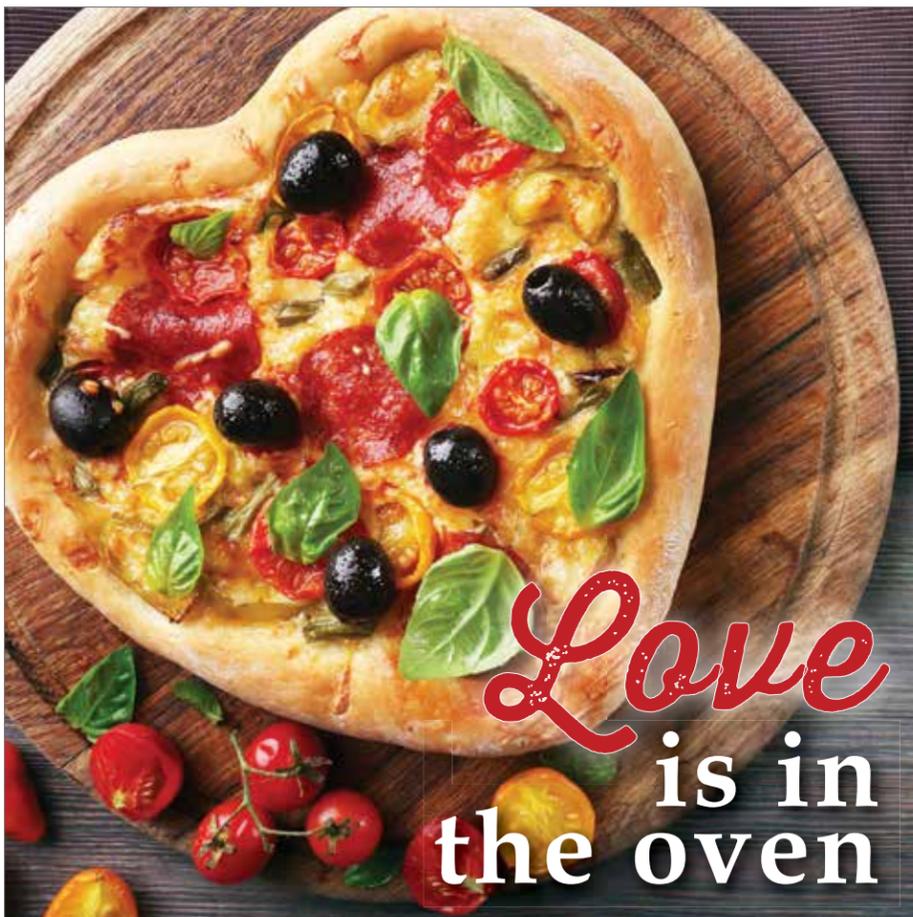
I will never again pass judgement on a parent because their child (young or old) is having a tantrum in a store or other public venue.

Yes, they may be a bit spoiled but then again, they may have developmental disabilities; it may not be that easily discernable! Now that my son is older and he goes out in society more, I can only hope and pray he doesn't have a meltdown and someone mistakes him for being a threat and hurt him, instead of realizing he is developmentally disabled.

I am very thankful and appreciative of the support and understanding of my Air Force leadership in recognizing the need for helpful programs through the Airman and Family Readiness Center and the Exceptional Family Member Program. Because of these programs and good medical care, we have had very few problems getting help for our son. This helps immensely in lowering the stress levels by knowing that we have support and can continue to do what we need to do to take care of our families and accomplish the mission.

I hope that all Department of Defense military and civilians can use resources, such as base helping agencies, to obtain the assistance needed to care for their families and appreciate any support.

“It's funny how life happens and before you know it, you have a profound understanding and compassion toward other people's struggles and life situations. I will never again pass judgement on a parent because their child (young or old) is having a tantrum in a store or other public venue.”



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# PEO Digital sharpens picture for Cheyenne Mountain Complex

By Benjamin Newell | 66TH AIR BASE GROUP PUBLIC AFFAIRS

PETERSON AIR FORCE BASE, Colo. — Program managers here ushered a software program through production using agile practices that link two strategic early warning systems together, which would give senior leaders better information when suspected missile attacks are underway.

The upgraded system takes messages generated by combatant commands and pipes them through a Combatant Commanders Integrated Command and Control System, referred to as “KICS.”

“Essentially, this effort delivers unambiguous missile warning data to the warfighter, giving strategic decision-makers accurate and timely information, when required” said Col. Todd E. Wiest, senior materiel leader, Strategic Warning and Surveillance Systems Division. The division is part of the Digital Directorate headquartered at Hanscom Air Force Base, Massachusetts.

“This was deemed a Joint Emergent Operational Need, so we worked the whole upgrade process in 18 months,” said 1st Lt. John Tippetts, sustainment lead for the system. “In short, we’re making sure the computer systems in Cheyenne Mountain can read and display all messages they receive.”

The program office worked with the Raytheon Co. to build the software over 10 months, at a cost of \$3.2 million. Raytheon used agile methods to field and test the system, abridging some of the more time-consuming operational checks in favor of building a minimum viable product, and iterating improvements over time.

The program office fielded a fully functional system in June 2018.

Next, the program office shipped the software to forward users throughout the world, including Pacific Command. There are approximately 50 global users who need the display upgrade to parse missile warning information.

“The system consists of about three million lines of code,” said John McConnell of Odyssey Systems Consulting Group, engineering lead for the project. “That’s about the size of a full operating system, like Windows. There were about 100 people putting this program together, and they made it fast, secure and reliable for a system that cannot fail.”



(U.S. Air Force photo by Senior Airman Dennis Hoffman)

Runners participating in the North American Aerospace Defense Command 5k Tunnel Run exit the Cheyenne Mountain Complex through the north portal at Cheyenne Mountain Air Force Station, Colorado, May 10, 2018. Cheyenne Mountain relies on communications equipment sustained by Air Force Life Cycle Management Center personnel at Peterson Air Force Base, Colorado.

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# BASE BRIEFS

## FURNITURE SWAP SHAREPOINT

The 21st Space Wing now has a SharePoint page dedicated to the reutilization of government resources. If your organization has excess furniture or equipment, or you are in need of resources, check out this SharePoint. The premise is similar to Facebook Marketplace and other online yard sale sites, only without any exchange of money. Instead of taking items directly to DRMO or a dumpster for disposal, give other agencies an opportunity to reutilize your excess. If your agency is fiscally responsible, check out this site before you order something.

The link to the SharePoint is: <https://eis2.afspc.af.mil/sites/21sw/ft/SitePages/Home.aspx>

## PETERSON AIR FORCE BASE COMMUNITY BLOOD DRIVE

There will be a community blood drive, Feb. 7, from 8:30 a.m. – 1:30 p.m. To make an appointment, please visit [Vitalant.org](http://Vitalant.org) and use code 6827. Get a head start by filling out your Health History Questionnaire before you come.

## TAX ASSISTANCE PROGRAM DISCONTINUED

The Peterson legal office will not be sponsoring a Tax Assistance Program this year. The primary reason for this decision is competing mission requirements (i.e. legal assistance, etc.) and the program's detractor from mission readiness. Second, the Secretary of the Air Force and Chief of Staff's Aug. 18, 2016 "Reducing Additional Duties" memorandum limits the legal office's ability to obtain and train volunteers in each squadron. The minimal number of volunteers over recent years put a significant strain on the legal office. In consideration of the aforementioned factors, the decision was made to discontinue the tax assistance program at Peterson AFB.

Numerous tax preparation resources are available. Below are some convenient resources available to Airmen and their families:

- Free digital filing for retirees and active duty available through H&R Block. For more information please visit: <http://www.unitedway.org/myfreetaxes/resources/hr-block>
- Free IRS Volunteer Tax Assistance (VITA) program offers free help

to those making \$54,000 or less, persons with disabilities, and limited English speaking taxpayers who need assistance preparing their own tax returns. In addition to VITA, the Tax Counseling for the Elderly (TCE) program offers free tax help to those 60 years of age and older. Trained VITA volunteers are able to address military specific tax issues.

To locate a VITA or TCE center near you, visit: <https://www.irs.gov/individuals/free-tax-return-preparation-for-you-by-volunteers>

## FREE HEALTH AND WELLNESS CLASS

Health Promotion is offering their first weight loss classes of the New Year starting Jan. 3, 2019. Classes will be held every Thursday for 12 weeks and last one hour.

Date: Thursday, Jan. 3, 2019

Time: Noon and 5 p.m.

Where: Health Promotion Classroom, second floor of the Fitness Center; Building 560, Room. 206

POC: Dana Johnson; 719-556-9642 or [dana.l.johnson12.ctr@mail.mil](mailto:dana.l.johnson12.ctr@mail.mil)

Classes are open to ALL DOD ID cardholders 18 years and older.

## THE ART OF PARENTING

Family Life's "Art of Parenting" course will take place on Wednesday nights from 5:45 – 6:15 p.m. until mid-March. The video-based study gives parents a simple vision and creative ways to lay a solid foundation for their parenting.

The course features guidance from more than 20 experts using humor, encouragement, activities, anecdotes and practical advice. For more information, contact the Chapel at 719-556-4442.

## WEEKEND TO REMEMBER

Weekend to Remember is a marriage getaway designed to equip couples with the tools and resources to make their marriages thrive. Weekend to Remember will be hosted Feb. 15-17 at the Broadmoor in Colorado Springs. Call 1-800-FL-TODAY to register, and use "ColoradoMilitary" as the group name to receive the military discount.

Note: For information on this product, or for additions to the base briefs, email [21sw.pa@us.af.mil](mailto:21sw.pa@us.af.mil)



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For information in the event of a Peterson Air Force Base emergency, contact the Straight Talk line at (719) 556-9154.



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# Air Force space legend visits the Pentagon

SECRETARY OF THE AIR FORCE PUBLIC AFFAIRS



(U.S. Air Force photo by Wayne Clark)  
Lt. Gen. Thomas P. Stafford, retired NASA astronaut, speaks to an audience of Airmen, coalition partners and industry leaders at the Pentagon, Arlington, Va., Jan. 29, 2019. Stafford was the commander of Apollo 10, the second manned mission to orbit the Moon and the first to fly a Lunar Module in lunar orbit, descending to the altitude of nine miles.

ARLINGTON, Va. — Air Force legend, space pioneer and Guinness Book of World Records record holder, retired Lt. Gen. Thomas P. Stafford held a question and answer session at the Pentagon, Jan. 29.

Stafford spoke before an audience of Airmen, coalition partners and industry leaders about his contributions to both the Air Force and NASA.

In the 1950s, Stafford commissioned in the Air Force, flying the F-86 Sabre prior to becoming a test pilot.

“I’ll never regret my decision to go into the Air Force,” Stafford said. “I’ve always wanted to fly higher and faster...honestly, I wanted to fly anything that I could get my hands on.”

When President John F. Kennedy announced his goal of sending an American to the moon in 1961, Stafford found his calling.

“Now that, I thought, would be higher and faster,” he said.

In 1962, NASA selected him among the second group of astronauts to participate in projects Gemini and Apollo. He was selected to become an astronaut in 1962, and flew aboard Gemini 6A and Gemini 9.

In 1969, Stafford was the commander of Apollo 10, the second manned mission to orbit the moon and the first to fly a Lunar Module in lunar orbit, descending to an altitude of nine miles.

In total, NASA flew 10 Gemini missions in 20 months and five Apollo missions in nine months. To date, the retired general holds the world record for the highest reentry of speed of any manned space flight. During Apollo X, he assisted in formulating the sequence of missions leading to the first lunar-landing mission, and demonstrated and implemented the theory of a pilot manually flying the Saturn booster into orbit and the translunar-injection maneuver.

For generations, the contributions of Airmen in space have enabled the nation’s success in the domain. Stafford is still an Air Force and space advocate, and his hopes for the successful future of both are boundless.

“I want this to be the best Air Force in the world, to stay ahead and not have the budget go up and down,” Stafford said. “We need to be able to do things where they don’t take so long in development...there’s too much to be lost.”

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(U.S. Air Force photo by Senior Airman Kevin Sommer Giron)

A U.S. Air Force F-16 Fighting Falcon gains altitude, Jan. 28, 2019, near Aviano Air Base, Italy. The 31st Fighter Wing is home to the 555th and 510th Fighter Squadrons, capable of offensive and defensive air combat operations.



(U.S. Air Force photo by Joshua Armstrong)

Air Force Falcons Quade Aiu competes in the men's 400-meter race at the Cadet Field House during the Air Force Invitational track and field meet, Jan. 25, 2019.



(U.S. Air Force photo by Airman 1st Class Crystal A. Jenkins)

U.S. Air Force civil engineers fly a Small Unmanned Aircraft System during a newly adopted Rapid Airfield Damage Assessment System training course at Joint Base Elmendorf-Richardson, Alaska, Jan. 23, 2019. Throughout the first week of training, Airmen focused on learning to fly the SUAS. During the second week they learned to fly the RADAS mission while using the SUAS systems.

# Air Force week in photos



(Air National Guard Photo by Senior Airman Hope Geiger)

Aircraft maintenance technicians, assigned to the 180th Fighter Wing, Ohio Air National Guard, walk the flightline looking for debris that could damage an aircraft engine at Patrick Air Force Base, Fla., before the day's training sorties Jan. 29, 2019. The Patrick AFB deployment allows the 180 FW Airmen to conduct daily training in realistic environments, under realistic circumstances, to ensure our force maintains the highest levels of proficiency and readiness for worldwide deployment.



(U.S. Air Force photo by Senior Airman Thomas Barley)

A B-2 Spirit bomber, deployed from Whiteman Air Force Base, Mo., is prepared for a training mission at Joint Base Pearl Harbor-Hickam, Hawaii, Jan. 17, 2019. Three B-2 bombers and more than 200 Airmen deployed here in support of U.S. Strategic Command's Bomber Task Force mission. Bomber aircraft regularly rotate through the Indo-Pacific region to integrate capabilities with key regional partners and maintain a high state of aircrew proficiency.



(U.S. Air Force photo by Staff Sgt. Philip Bryant)

U.S. Air Force Maj. William McNair, 20th Bomb Squadron pilot, adjusts a dial inside a B-52 Stratofortress Jan. 16, 2019. The routine-training flight included a flyover of Arlington National Cemetery in Arlington, Va. to honor Col. John Reilly during his funeral service.



(U.S. Air Force photo by Andrea Jenkins)

U.S. Air Force Capt. Daniel Lagomarsino, 75th Fighter Squadron A-10C Thunderbolt II pilot, and his girlfriend, Kacey Borden, share an embrace during a redeployment at Moody Air Force Base, Ga., Jan. 25, 2019. The 75th FS returned from Southwest Asia after a six-month deployment in support of Operation Freedom's Sentinel.

# Air Force analyzes operational efficiency – one airframe at a time

By Corrie Poland | AIR FORCE OPERATIONAL ENERGY (SAF/1EN)

ARLINGTON, Va. — Have you ever wondered if the Air Force is flying as efficiently as possible? Well, you're not alone...and there's a task force to find out.

The Energy Analysis Task Force, or EATF, led by the deputy assistant secretary of Air Force Operational Energy, has been systematically visiting Air Force bases around the country to observe actual training and mission flights, and speak with flight crews (to include operators and maintainers) about flight operations, practices, and aircraft requirements that have an impact on aviation fuel efficiency. The goal: to identify optimization best practices (and the challenges to implementing them) across each airframe, and produce a report that recommends which initiatives, processes, and technologies could have the greatest benefit to capability and readiness.

Known as a Line Operations Efficiency Analysis, or LOEA, the team starts by targeting one airframe at a time and reviewing applicable publications and in-flight guides for that specific airframe. Then, in coordination with wing leadership, the team visits the aligned bases to conduct in-depth, non-attributional focus groups with aircrews of that airframe.

Led by a team of senior aviators with a breadth of experience across both Air Force and commercial aircraft (many are Reserve Airmen who also fly with commercial airlines), the EATF hopes to gain a better understanding of how crews perceive fuel efficiency efforts, and glean insight about the challenges pilots and maintainers face in their daily operations that may inhibit them from exercising efficiency best practices when the mission allows.

"We understand that the mission comes first – and that the dynamic environment in which we operate does not always allow for the most optimized operations," said Col. Anthony Brusca, 913th Airlift Group deputy commander at Little Rock Air Force Base, Arkansas, and current lead for the EATF. "We're here to figure out where there may be a disconnect between training, policy and operations and where there may be opportunities for setting practical efficiency goals that make the lives of Airmen easier."

Since 2016, the EATF has completed LOEAs on the RC-135 Rivet Joint, E-3 Sentry (otherwise known as AWACS, or airborne warning and control system),

C-5M Super Galaxy, C-17A Globemaster III and are currently assessing KC-135 Stratotanker operations.

With the insight gained from these analyses, as well as known industry standards (e.g., best practices for commercial airlines), the team identified a number of processes across airframes that could improve operational efficiency without any capital investment. Examples of these include better utilization of nearby training ranges, enhanced scheduling efficiency, airspeed and altitude optimization, reduced thrust take-off, reduced engine taxi-in, engine washing, and optimized fuel loads, among others.

For the RC-135, the team estimated a potential savings of \$1.5 million in fuel costs annually (2 percent of the total fuel cost for the airframe) if these practices were implemented across the fleet.

For the E-3, the potential savings were estimated at \$9.5 million annually, or 8 percent of the total fuel cost. The C-5M LOEA identified approximately \$8.2 million in potential annual savings, and the C-17A LOEA identified approximately \$43.2 million in potential savings.

While significant, the EATF emphasized that fuel optimization isn't just about saving money. "We're trying to increase capability for the warfighter and make your (Airmen's) lives easier, and if the protocol in place now doesn't make sense - and we can explain why – that's something I want to present to command leadership," explained Brusca to participating Airmen.

However, with the fluidity of military operations, many Airmen contributing to the focus groups agreed the efficiency standards recommended by the Air Force are not always possible, or realistic in theater, based on current operations. Several participants cited difficulties with ineffective software and fuel gauges, aging equipment and greater mission demands than manpower available as reasons why fuel efficient methods were not always utilized.

Through the LOEA reports, the EATF is looking for a middle ground where Airmen are able to maintain (and even increase) operational effectiveness, while also optimizing fuel use.

For more information on energy optimization efforts in the Air Force, visit: [www.safie.hq.af.mil/OpEnergy](http://www.safie.hq.af.mil/OpEnergy).

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# 2018 Annual Awards Banquet

(U.S. Air Force photos by Staff Sgt. Alexandra Longfellow)

PETERSON AIR FORCE BASE, Colo. – Medallions are displayed during the 2018 Annual Awards Banquet, Feb. 5, 2019 at The Club on Peterson Air Force Base, Colorado. The annual awards ceremony allows wing leadership to recognize outstanding military and civilian team members, and ensure the very best of the 21st Space Wing move on to the next round of competition.



PETERSON AIR FORCE BASE, Colo. – Col. Todd Moore, 21st Space Wing commander, delivers a speech during the 2018 Annual Awards Banquet, Feb. 5, 2019 at The Club on Peterson Air Force Base, Colorado. The annual awards ceremony allows wing leadership to recognize outstanding military and civilian team members, and ensure the very best of the 21st SW move on to the next round of competition.



PETERSON AIR FORCE BASE, Colo. – Awards are displayed during the 2018 Annual Awards Banquet, Feb. 5, 2019 at The Club on Peterson Air Force Base, Colorado. During the ceremony, members from the 21st Space Wing and its geographically separated units gathered to celebrate the accomplishments of Airmen throughout 2018.



PETERSON AIR FORCE BASE, Colo. – 2018 Annual Awards Banquet attendees dance after the conclusion of the ceremony, Feb. 5, 2019 at The Club on Peterson Air Force Base, Colorado. Local and geographically separated unit nominees gathered together for the banquet aimed at rewarding their exceptional performance in 2018.



PETERSON AIR FORCE BASE, Colo. – Members from the High Frontier Honor Guard post the colors during the 2018 Annual Awards Banquet, Feb. 5, 2019 at The Club on Peterson Air Force Base, Colorado. During the ceremony, members from the 21st Space Wing and its geographically separated units gathered to celebrate the accomplishments of Airmen throughout 2018.



PETERSON AIR FORCE BASE, Colo. – Annual award winners and wing leadership pose for a group photo, Feb. 5, 2019 at The Club on Peterson Air Force Base, Colorado. Local and geographically separated unit nominees gathered together for the banquet aimed at rewarding their exceptional performance in 2018.



PETERSON AIR FORCE BASE, Colo. – A Prisoner of War/Missing in Action table is displayed during the 2018 Annual Awards Banquet, Feb. 5, 2019 at The Club on Peterson Air Force Base, Colorado. During the ceremony, members from the 21st Space Wing and its geographically separated units gathered to celebrate the accomplishments of Airmen throughout 2018.



PETERSON AIR FORCE BASE, Colo. – Col. Todd Moore, 21st Space Wing commander and his wife, Kelly Moore pose for a photo during the 2018 Annual Awards Banquet, Feb. 5, 2019 at The Club on Peterson Air Force Base, Colorado. At the end of the ceremony, the Moores were announced as the 2018 General and Mrs. Jerome F. O'Malley Award winners.



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# STARBASE Peterson

FROM PAGE 1

Technology Academies Reinforcing Basic Aviation Space Exploration. The name was likely coined by the founder of the program, Barbara Koscak.

"Koscak was a Michigan teacher that recognized students weren't understanding science and math when taught in a traditional class setting, and opted for a more hands-on approach," said Smathers. "She knew kids liked dinosaurs, ghosts and airplanes. She couldn't find any ghosts or dinosaurs, but did find airplanes at the nearby Selfridge Air National Guard Base. STARBASE One was born from that experience and grew from there."

The STARBASE program services at-risk students found in Title 1 schools where 50 percent or more of the student population is on free or reduced lunches, Smathers said.

"Particularly, our target audience is to reach out to those who are underrepresented, socio-economically disadvantaged, have low academic performance, and or have a disability," said Smathers.

STARBASE offers students the opportunity to earn their fifth-grade science credit through 25 hours of Science, Technology,

Engineering and Math academics activities and courses.

"The students come to the facility one day a week for five weeks, and after completion receive a certificate and a personally completed activity book that their teachers at their parent school can choose to use as a STEM or science grade," Smathers said. "Students come from local Harrison, District 2, Widefield, District 3, Colorado Springs, District 11 and Falcon, District 49."

Local meteorologist, Stacy Garvilla, came to visit the facility and gave a presentation on her job as chief meteorologist. She explained how weather patterns affect Colorado Springs and what to do in case of a weather emergency.

Guest speakers visit the STARBASE facility to illustrate how excelling in the math and science disciplines can be applied into today's workforce.

The STARBASE Peterson facility is another way Peterson Airmen execute the mission and serve the local community outside the gate borders. For more information on STEM programs and the STARBASE Peterson facility, call Patricia Smathers at 556-9500.

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**ERIK WALLACE**

February 21

Erik Wallace heads up the Springs branch of the University of Colorado Medical School. Learn about how he approaches leadership — from his first role as president of his medical school class to leading an entire campus of future doctors. Find out about the new campus and what the future looks like for him and the campus.



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**PAM KELLER**

March 14

Following 35 years in business, Pam Keller, CEO of Keller Homes, said there are some lessons learned that have gotten the company this far: Ask questions, build a team that puts integrity above all else, and remember that creating community is more than merely constructing a home.



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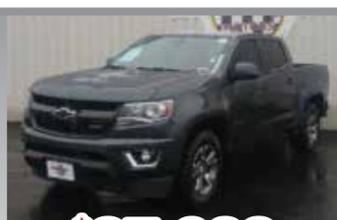
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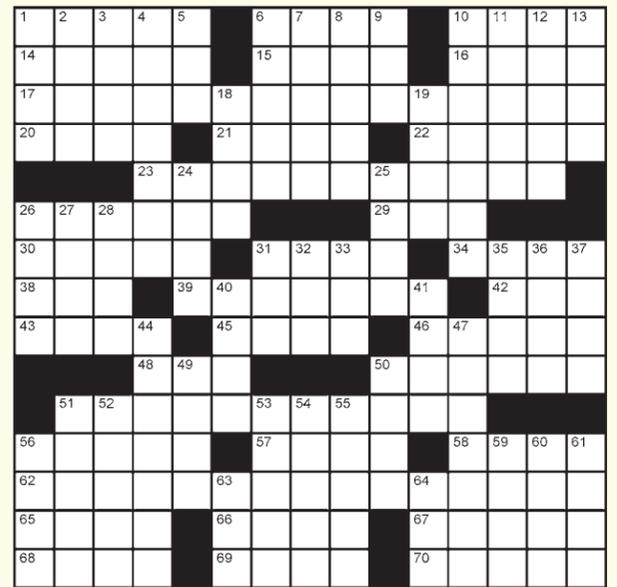
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### ACROSS

- 1 "Oh! Susanna" instrument
- 6 Seek divine guidance
- 10 Hoof sound
- 14 French for "love"
- 15 Bar mitzvah, e.g.
- 16 Use a peeler
- 17 Check all the boxes, theoretically
- 20 Apt name for an emcee
- 21 "You said it, brother!"
- 22 Greek fable writer
- 23 Gross, financially
- 26 Unfulfilling occupations
- 29 Money put aside, for short
- 30 Siri, to Amazon
- 31 "Aw, shucks!"
- 34 Blend together
- 38 Allow
- 39 Grateful response to a surprise party
- 42 "Eureka!"
- 43 At a \_\_\_ for words
- 45 Appear menacing
- 46 Baseball's Hank
- 48 Pat-down org.
- 50 Brand-new
- 51 Jumped over
- 56 Say hi, in slang
- 57 Environmental sci.
- 58 Small demons
- 62 Ignore the advice at the starts of 17-, 23-, 39- and 51-Across
- 65 \_\_\_ leches cake
- 66 It may hit a bull's-eye
- 67 Transported
- 68 Sleeveless garment
- 69 Most draftable
- 70 Move surreptitiously

### DOWN

- 1 Soothing stuff
- 2 Mine, in Marseille
- 3 Cozy corner
- 4 Diner song player
- 5 End of UNICEF's URL

- 6 "Coming soon" ad teaser
- 7 Jockey or cowboy
- 8 Make amends
- 9 Kobe coin
- 10 Test for some IRS workers
- 11 Moment of forgetfulness
- 12 Snacks that can be dunked
- 13 Crook, in cop lingo
- 18 Clumsy fellows
- 19 Late-night great Jack
- 24 "Buy It Now" website
- 25 Little
- 26 Food court's place
- 27 Nile queen, familiarly
- 28 Billionaires' planes
- 31 Ben and Jerry, e.g.
- 32 "Four score and seven years \_\_\_ ..."
- 33 Mojito alcohol
- 35 Basset's floppy features
- 36 Slipper or sneaker
- 37 Ranch employee
- 40 Lemony Snicket's evil count
- 41 Mentally sound
- 44 Most crusty, perhaps
- 47 Account checker
- 49 Practice boxing
- 50 Not-so-cute fruit
- 51 French wine valley
- 52 Santa's little helpers
- 53 "King Lear" daughter
- 54 Pale yellow colour
- 55 Spike Lee's "She's \_\_\_ Have It"
- 56 Samsung product
- 59 Oliver Twist's request
- 60 Tree known for its scent
- 61 Big first for a baby
- 63 Bachelor's last words
- 64 "SNL" network



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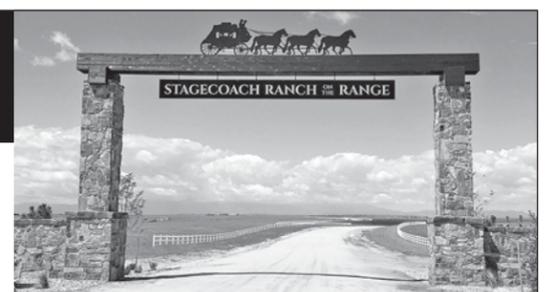
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