

May 2016



Civilian Military Support Group NEWSLETTER



President's Remarks

by John A. Fergione



The **Hearts-Apart Program** at Edwards AFB is a monthly program hosted by the Edwards Airmen Family and Readiness Center {AFRC} for spouses and family members of the Edwards Airmen, who are deployed or on a remote tour assignment. At any given time, approximately 150 families are affected by these deployments. The AFRC gives spouses and families face-to-face contact with the staff, counselors and Base leadership. As a method to encourage these interactions, meals and entertainment are provided. While the AFRC does conduct fundraising activities at Edwards AFB, the funds they raise are generally less than what they would like to have to fund this, and other related programs, properly. Other related programs include "Bundles for Children", Volunteer Appreciation events, and Key Spouse Training.

In September, Civ-Mil donated \$2,000.00 to help defray the expenses of the Hearts-Apart program. The AFRC used this donation to provide Thanksgiving meal vouchers, catered meals at the monthly get-togethers and family fun passes at both Mulligan's and the Edwards Bowling Center. In December, we allocated an additional \$2,000.00 for this program. My hopes are that we will have sufficient funds to continue to support this most-important program as we enter 2016.

The Edwards Emergency Relief Fund {EERF}, a program managed by the Edwards First Sergeants' Council, is designed to provide financial assistance to Airmen in need. The individual circumstances where an Airman requires assistance are numerous, and encompass lodging, airfare for memorial services, child car seats, and many others. The examples of "individual circumstances", which encompass the overall EERF, seem to grow monthly. The Edwards First Sergeants' Council provides this financial assistance based on the funds they have available at the time. In October, Civ-Mil donated \$10,000.00 to support this program. A grant was also received that month from the Northrop Grumman Corporation for \$5,000.00, which was designated for the Edwards Exceptional Family Member Support Program. This

program is one of many that comprise the overall EERF. Thus, based on donations received to Civ-Mil, and the generosity of the Northrop Grumman Corporation, the Edwards Emergency Relief Fund received a total of \$15,000.00 in October 2015 to assist the First Sergeants' Council in funding this most-necessary program.

Our 3rd Annual "Welcome to the Antelope Valley" reception was held at the Pioneer Event Center {PEC} on Friday, January 29, 2016. This community outreach reception was held to introduce the many opportunities available in the Antelope Valley to the new and established military members, as well as our allied nation visitors at Edwards AFB. One hundred seventeen {117} USAF and allied nation visitors at Edwards Air Force Base, as well as local community businessmen and women, were present at the PEC on the evening of the reception. Forty-Seven {47} vendor organizations were also represented, and the business services they collectively offered are too numerous to mention in this column. All of the reports I have received from the attendees following the event were positive. My sincerest thanks are forwarded to Past-President Danny Bazzell, who chaired the committee that planned and executed the reception, and committee members Amy Beck {RAF}, Kathy Fergione, Director Terry Landsiedel, Director Rhonda Nelson, Marlies van de Pol {RDAF}, Michelle Slade and Charlotte Welling.

Civ-Mil contributed \$500.00 and took part in the activities at the 412 Test Wing Awards' Ceremony that was held on the Base on February 18, 2016.

In March 2016, Civ-Mil provided one hundred {100} tickets for each day of the Los Angeles County Airshow, which was held on March 19 - 20, 2016. The tickets were provided to the Airmen at Edwards AFB to allow them to attend this spectacular event. The Board of Directors of the Los Angeles County Airshow offered us discounted tickets for this purpose. We allocated \$3,000.00 in providing this opportunity to our Airmen.

In April, Civ-Mil provided \$500.00 towards the installation of an outdoor speaker system at the new dormitory pavilions. Civ-Mil also provided \$1,000.00 to the Higher Grounds Internet Café for the purchase of items that were requested. Both of these expenditures were requested by the Edwards AFB First Sergeants' Council.

Since 2016 began, Civ-Mil has had some new members join the Group. I would like to welcome The Antelope Valley Mall, Randy L. Ciapponi and Citizens Business Bank as our newest members.

Congratulations to Director Stan Turner on his retirement from the Edwards Federal Credit Union on April 30, 2016.

Our next Spring Mixer is scheduled for the evening of May 4, 2016 at Domingo's Mexican and Seafood Restaurant in Lancaster. Since this mixer will have taken place by the time you receive this newsletter, I hope you were able to attend it, and more importantly, I hope you enjoyed yourself. This Mixer will be discussed in more detail in our next newsletter. I wish to thank Director Rhonda J. Nelson for chairing the Mixer committee. She has built her team and the planning is well underway for what I am sure will be a most successful event.

Our 25th Anniversary Historical book has been in final layout since my last report. Katie Corbett, a well-

known local author and reporter, has graciously volunteered to edit our book for us before it is published. Our **Sponsorship Campaign** is continuing and we are close to achieving the funds necessary to send our historical book to the publisher. If you would like to be a sponsor, it is not too late but **you must act soon**. And, it is very easy. Please visit <http://www.eafbcivmil.org>, where you can submit your sponsorship form and make your payment.

Our Annual Barbecue is scheduled for **July 21, 2016** at Hacienda Lane Ranch. Past President and Director Robert Slade has once again taken on the task of chairing the committee for this year's barbecue. So ... save that date and I will hope to see you there.

John A. Fergione

President

The EAFB Civilian-Military Support Group

Civ-Mil Recognized at 412th Test Wing Annual Awards

By Danny Bazzell & Mike Belzil

During the 412th TW Annual Awards Banquet, on February, 18, 2016, the wing surprised Civ-Mil by calling special attention to numerous projects and contributions our organization has undertaken over the years. In fact, the emcees for the evening named off most of our projects and the dollar amounts we've donated. Civ-Mil was also given special recognition during the evening as we contributed \$500 in sponsorship toward awards for the event. Several Civ-Mil members attended as guests of the wing: Directors Danny Bazzell and Les Uhazy as well as Alis Clausen-Ordenthal and Tom Weil. The group was called up to the stage and were recognized. Danny Bazzell gave acceptance remarks on behalf of our organization. The listing of Civ-Mil contributions that were highlighted at the banquet is below. As a token of appreciation, the wing presented each of our 21 board members with a crystal champagne flute and a coaster which Danny presented at the March board of directors meeting.

(This list was read as part of the 412th TW Annual Awards Banquet on February 18, 2016)

- **October 2010**, Airman's Attic, Phase 1 renovations: Funded approximately one half of the carpet and tiles
- **Edwards AFB Air Show and Open House Sponsor**. Set up booths and manned them with posters showing the current history of EAFB
- **Fully financed buses** for Airmen to participate in the Armed Services Day Parades

- **Fully funded the purchase** of a 20 by 40 foot US Flag used for Building 1600 and hangar events
- **Donated over \$2,000** to the Airman and Family Readiness Center "Hearts Apart" events
- **Formalized the Honorary Commanders' Program**
- **Ongoing since 2002**, provided over 3,000, goodie bags for deploying service men and women
- **Fully funded** the Flag Park across from Building 1
- **August 2007, fully funded Higher Grounds Internet Café**. Supplied the day-room furniture, 6 Computers and 2 Plasma TVs
- **Fully funded** 1+1 dormitory pavilions
- **Donated an estimated \$25,000** to the First Sergeant Council Emergency Relief Fund. This fund helps alleviate the financial burden of base Airmen facing family emergencies.
- **Annually funds the Holiday Adopt-a-Family Program** by sponsoring and providing over 28 families all the gifts needed for a holiday to remember
- **Sponsored and donated** over 160 bicycles to base youth in just two years
- **Fully funded** award medallions worn by all Annual Awards nominees

Civ-Mil Sponsors Airmen and Families at LA County

Air Show

By Mike Belzil

How do you make a fantastic air show even better? Invite airmen and their families, and pick up the tab! The Civ-Mil board of directors did just that by sponsoring 100 airmen and family members on each day of the 2016 Los Angeles County Air Show held at Fox Field in Lancaster, March 19-20, 2016.

The board voted unanimously to approve funding for the cost of 100 reduced-priced tickets for each day of the air show as a way to honor military and family members assigned at Edwards AFB. Ticket distribution was determined and facilitated by the 412th Test Wing Command Section. The aim was to help defray the cost of attendance and enable junior military members to enjoy at day at the air show with family and friends. Civ-Mil President, John Fergione, stated, "Sponsoring attendance at the air show for base airmen was a great opportunity for Civ-Mil to show, in a tangible way, how grateful we are for the service and sacrifices of military members and their families."

Spectators at the third annual air show exceeded the previous two years of attendance. The crowd was treated to numerous flying acts, static displays and an amazing STEM (Science, Technology, Engineering and Mathematics) Expo. Each day's activity at the air show concluded with a flying demonstration by the world famous Blue Angels of the United States Navy. Los Angeles County Air Show President, Al Hoffman, stated, "The LA County Air Show was proud to support military and family attendance at the air show. Our partnership with Civ-Mil is consistent with the air show mission to recognize the contributions and sacrifices of military service members serving in the Antelope Valley."

Mission Statement

The purpose and general nature of the Edwards Air Force Base Civilian-Military Support Group is to establish a friendly, benevolent association of civic leaders and military personnel at Edwards Air Force Base, to act as a host group whenever needed and additionally, to consider an annual service project to benefit EAFB.

Directors Host BBQ Appreciation

By Bud Reams

Recently, a group of Civ-Mil directors hosted a very special thank you for our host of the Civ-Mil BBQ held annually at the Hacienda Lane Ranch. The dinner was held at the Odessey Restaurant in north Los Angeles City.

A special group escorted Frances Lane and Ken Firsich to the evening celebration in recognition for more than 25 years of hosting the Civ-Mil annual barbecue.

The annual barbecue is one of the Civ-Mil organization's major, annual fund raising events. The event is held each July and is well attended by Edwards Air Force Base leadership as well as numerous elected officials. Congressman Steve Knight, Major General Dave Harris and Civ-Mil President John Fergione were among the evening's featured speakers. Thanks to the generosity of all in attendance, Civ-Mil raised more than three thousand dollars from the 2015 barbecue.

The hosting party at the Odessey was made up of President John Fergione and Kathy Fergione, Treasurer Bud Reams and Kris Reams, Director Bob Slade and Michelle Slade and another special guest.

A grand time was had by all. There was lively conversation during the delicious prime rib dinner and special treats. The evening concluded with a glass of vintage wine to toast the success of the Civ-Mil Barbecue fund raiser and the generosity of Frances Lane.

2016 Military Retiree Appreciation Day at Edwards AFB, CA



Area Military Retirees and Spouses, Please join us!

Date: Saturday, 7 May 2016 / Time: 0800 - 1200 / Location: Oasis Community Center

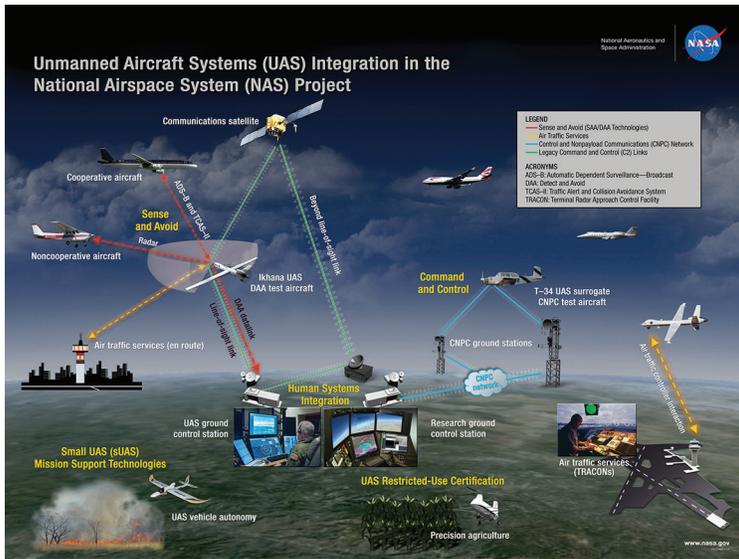
Please come out and learn about the programs that affect you and receive some services during your visit!

Legal Services - Immunizations - TRICARE - Pharmacy (limited)
Retiree Activity Office - ID Services - Door Prizes/Give-Aways - Refreshments

For More Information: Join us on Facebook at www.facebook.com/EdwardsAirForceBase or contact the Retiree Activity Office (Email: 412tw.rao@us.af.mil or Phone: 661-277-4931)

Must R.S.V.P. by April 25, 2016 at 412tw.rao@us.af.mil or 661-277-4931.

NASA Preparing for Fourth Series of Flight Tests of Unmanned Aircraft



NASA and its partners are validating and advancing technologies that will assist the Federal Aviation Administration as they develop regulations to integrate Unmanned Aircraft Systems into the National Airspace System.

Credits: NASA Illustration

NASA and its partners, General Atomics Aeronautical Systems, Inc., Honeywell International and the RTCA Special Committee (SC)-228, are validating and advancing technologies that will assist the Federal Aviation Administration as they develop the regulations to allow integration of Unmanned Aircraft Systems (UAS) into the National Airspace System (NAS).

The upcoming flight test series will be the fourth for the project, also known as Flight Test Series 4, FT4, and will be based out of NASA's Armstrong Flight Research Center in California. Flights will begin toward the end of April and continue through June.

Test objectives will require 15 flights and more than 270 encounters. These encounters will consist of flying several piloted aircraft, referred to as intruders, into different positions near or around NASA Armstrong's Predator B remotely piloted aircraft, Ikhana.

Intruder aircraft will include NASA's B200 King Air, T-34C, GIII, TG-14, Honeywell's C-90 King Air and the U. S. Air Force's C-12 King Air. These intruders will function as high speed and low speed aircraft to verify and validate the requirements of the minimal operational performance standards for UAS.

FT4 will leverage lessons learned and risk reduction from FT3, which took place last summer, while continuing to introduce new capabilities and technology refinements in support of validating the Detect and Avoid (DAA) systems. These systems will allow Ikhana to detect intruders and either alert its pilot on the ground or fly a programmed maneuver to avoid collision.

Each of the intruders will be equipped with different systems for operations in the NAS. They will represent aircraft equipped

with cooperative systems, such as a transponder, as well as non-cooperative aircraft which have no equipment and will require an air-to-air radar to detect and track.

"Our engineers have generated a very detailed and complex flight test plan that integrates all of the variables needed to execute this flight test," said Heather Maliska, UAS-NAS Deputy Project Manager at Armstrong. "This flight test plan coordinates the DAA systems, intruder aircraft equipment and speeds, design of encounter geometries, and the number of intruder aircraft needed to conduct the encounter in order to meet NASA's and the community's requirements."



NASA's Ikhana is being used to develop regulations to integrate Unmanned Aircraft Systems into the National Airspace System.

Credits: NASA Photo

In preparation for the flight tests, engineers are completing ground testing and validating software before the flights begin. Following ground testing, crews will conduct check out flights to ensure the systems work in flight and that researchers get the data they need.

The data retrieved from this round of flight tests will provide valuable information to researchers for a future round of flight tests as well as play an important role in evolving the technologies that are necessary for UAS to fly in the NAS.

"NASA is providing critical data to support the ongoing efforts to develop technical standards for both sensor data links", said Paul McDuffee, Co-chair of RTCA's Special Committee 228. "The UAS community looks forward to the results of this historic flight test campaign."

NASA's participation includes Armstrong, Ames Research Center in California, and Langley Research Center in Virginia.

Anna Kelley, Public Affairs
NASA Armstrong Flight Research Center



Rocket Lab hopes a little inspiration can launch careers in STEM

by Kenji Thuloweit

412th Test Wing Public Affairs

4/20/2016-EDWARDS AIR FORCE BASE, Calif. -- Sixty local middle school students delved into the world of rocket science with a visit to Air Force Research Laboratory's Propulsion Directorate April 19.

From lessons on chemical propellants to seeing actual rocket boosters that were launched, the 8th-graders from Discovery School in Lancaster, California, got a whirlwind tour of the "Rocket Lab."

The learning experience was part of the propulsion directorate's education outreach in conjunction with President Barack Obama's My Brother's Keeper initiative, which is meant to ensure that all young people can reach their full potential. The president is joining with cities and towns, businesses, and foundations who are taking steps to connect young people to mentoring, support networks, and the skills they need to find a good job or go to college and work their way into the middle class.

The president also has stressed the importance of expanding science, technology, engineering and math programs for young people.

"We are trying to inspire junior high school students to become scientists and engineers," said Kriss Vanderhyde, AFRL Education Outreach manager. "We found that the best way to do that is to get them out to one our sites, get them to do some hands-on functions like building rockets and show them what kinds of things are possible in an engineering and science career."

The day began at the Rocket Lab's Heritage Room where the children got up close and personal with old rocket boosters and engines, some both used and tested at Edwards.

Next were tours of the Chemical Laboratory and Electric Propulsion Lab.

After lunch provided by the school, the hands-on part of the tour began with students being separated into groups or "program management teams." Each group was to build a rocket out of a two-liter soda bottle, tape and manila folders.

"We're known as the 'field trip school' and we focus a lot on the Antelope Valley's history and places because it's in our backyard," said Stephanie Faber, Discovery School teacher. "Discovery School has an AVID and STEM based curriculum. For our 8th graders, we have three modules and one of them is Flight in Space."

After all the rockets were built and inspected, each of them were filled with some water and placed on a launch pad where they were pressurized. Then, the countdown begins and the rocket is launched into the stratosphere. In this case, the stratosphere is about 100 feet off the ground. But, the intent is to show the students that learning is limitless.

"It isn't really that hard to get there, they just need a little inspiration. That's what we're trying to do; providing that inspiration to get them on track and maybe get them to think, 'hey, this science and engineering is really not bad, maybe I should check it out,'" Vanderhyde said.

After the rocket challenge the students finished off the day with a chemistry demonstration by AFRL scientists.



Photo Caption: A "project management team" of 8th graders fires their rocket made of a two liter soda bottle, manila folders and tape. Sixty local middle school students delved into the world of rocket science with a visit to Air Force Research Laboratory's Propulsion Directorate April 19. (U.S. Air Force photo by Kenji Thuloweit)

T-38C Passes in Front of the Sun at Supersonic Speed



An Air Force Test Pilot School T-38C passes in front of the sun at a supersonic speed, creating shockwaves that are caught photographically for research.

NASA is using a modern version of a 150-year-old German photography technique -- schlieren imagery -- to visualize supersonic flow phenomena with full-scale aircraft in flight. The results will help engineers to design a quiet supersonic transport. Although current regulations prohibit unrestricted overland supersonic flight in the United States, a clear understanding of the location and relative strength of shock waves is essential for designing future high-speed commercial aircraft.

Image Credit: NASA/Ken Ulbrich
Last Updated: April 12, 2016



Edwards AFB Civilian Military Support Group

MEMBERSHIP APPLICATION

Contact Information

Membership Type: **Individual** **Corporate** **New** **Renewal**

Name	
Street Address	
City, State, Zip Code	
Home Phone	
Work Phone	
Cell Phone	
E-Mail Address	

New Member Referred by: _____ Approved by Board: _____

Access

Membership in EAFB Civ/Mil does not guarantee access to Edwards AFB.
The granting of any access to Edwards AFB is a privilege and such access may be denied, revised or revoked at any time by order of the Commander, Air Force Test Center, Edwards Air Force Base.

Interests

I am interested in volunteering to assist with the following committees

- | | |
|---|---|
| <input type="checkbox"/> Elections | <input type="checkbox"/> Annual BBQ |
| <input type="checkbox"/> By-Laws | <input type="checkbox"/> Newsletter |
| <input type="checkbox"/> Annual Project | <input type="checkbox"/> Installation Banquet |
| <input type="checkbox"/> Membership | <input type="checkbox"/> Other |
| <input type="checkbox"/> I am interested in serving as a Director | |

In addition to my dues I would like to donate an additional \$_____ to Civ/Mil

Payment Information

Annual Membership Dues are \$60.00 per Person (Individual), Spouse \$40.00
Corporate Membership: \$125.00 (One Designated Member Only)

Please make checks payable to: EAFB Civ/Mil

Mail Completed Application to: P.O. Box 812, Lancaster, CA 93584-0812
Membership Includes:
 Membership Card
 Membership Certificate
 Civ/Mil Coin: New members Only {Limited to one per membership, additional coins may be purchased if desired}
 2 Decals For Vehicle, Home or Office

Goldfein nominated as 21st CSAF

By Staff Sgt. Alyssa C. Gibson,
Secretary of the Air Force Public Affairs

WASHINGTON (AFNS) -- Defense Secretary Ash Carter announced April 26 that the president has nominated Air Force Vice Chief of Staff Gen. David L. Goldfein to be the 21st chief of staff of the Air Force, succeeding Gen. Mark A. Welsh III, who has served in the position since 2012.



“I’m extremely humbled by the nomination to serve as the Air Force’s 21st chief of staff. If confirmed, I pledge to serve our Airmen and their families unwaveringly and honor our remarkable heritage and legacy of integrity, service and excellence,” Goldfein said. “I also look forward to joining my fellow service chiefs as a member of the Joint Chiefs of Staff. General Mark and Betty Welsh continue to be exceptional stewards of our service, and Dawn and I are honored to follow in their footsteps.”

Goldfein entered the Air Force in June 1983 as a graduate of the U.S. Air Force Academy. He has been assigned to numerous operational, command and staff positions. He currently serves as the vice chief of staff, where he presides over the Air Staff and serves as a member of the Joint Chiefs of Staff Requirements Oversight Council and Deputy Advisory Working Group.

“I am pleased to support the nomination of General David Goldfein as our next chief of staff,” said Air Force

Secretary Deborah Lee James. “General Goldfein possesses the experience and vision needed to address dynamic global challenges and increasing military demand. He knows how to build and sustain key partnerships, has important warfighting experience, and will exercise the critical judgement required to balance our manpower and resources as we shape tomorrow’s Air Force. There is not a better person to lead our Airmen into the next century of airpower dominance.”

Prior to his current position, Goldfein was the director of the Joint Staff at the Pentagon in Washington, D.C., where he assisted the chairman of the Joint Chiefs of Staff in fulfilling his responsibilities as the principal military adviser to the president and secretary of defense.

“Dave Goldfein is an Airman who epitomizes warrior leadership, and that’s exactly what our Air Force deserves,” Welsh said. “He connects deeply with Airmen, he supports their families relentlessly, and he absolutely recognizes the criticality of our service’s mission. Most importantly, he and Dawn understand the remarkable privilege they’ve been afforded in serving the nation.”

Carter also spoke at a ceremony April 29 at the Pentagon, in which he congratulated Goldfein on his selection.

From his experience at the highest Air Force levels and the joint force, Goldfein “understands deeply the evolving nature of warfare and the threats we face,” the secretary said.

Goldfein, he added, has “developed a keen appreciation for the strategic horizon ... and the need to develop resilient cyber and space capabilities, which will allow the United States to continue to dominate across all domains.”

If confirmed by the Senate as the next Air Force chief of staff, Goldfein’s “extensive political-military experience will be to our great benefit as we continue to accelerate our efforts against ISIL, and work with coalition nations to deal them a lasting defeat,” Carter said.

Goldfein is a command pilot with more than 4,200 flying hours in the T-37 Tweet, T-38 Talon, F-16C/D Fighting Falcon, F-117A Nighthawk, MQ-9 Reaper, and MC-12W. He has flown combat missions in operations Desert Shield, Desert Storm, Allied Force, and Enduring Freedom. Goldfein has received numerous awards for his military service including the Defense Distinguished Service Medal with oak leaf cluster, the Legion of Merit with two oak leaf clusters and the Distinguished Flying Cross with Valor device and oak leaf cluster.

(Editor’s note: Terri Moon Cronk of DoD News, Defense Media Activity also contributed to this article)

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If you are enjoying reading this Newsletter, and you are not a member of Civ-Mil, but would like more information on the organization, please contact:
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You may also submit your request in writing to:

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Lancaster, CA 93584-0812
Attn: Membership Chairman

<http://www.eafbcivmil.org>

Upcoming Events

1. Civ-Mil Spring Mixer

Domingo's Restaurant
May 5, 2016

2. Civ-Mil Annual BBQ

Hacienda Lane Ranch
July 21, 2016