



## “THE SKYCHASER”

South Dakota Wing Electronic Newsletter for December 2017

*Official Auxiliary of the U.S. Air Force - Citizens Serving Communities: Above and Beyond*

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### WING TIPS

• **CAP HONORED FOR PUBLIC BENEFIT FLYING:** CAP received a 2017 Public Benefit Flying Award from the National Aeronautic Association for our “shadow escort” flights for the U.S. Air Force Reaper Training Program in central New York. The National Aeronautic Association, in partnership with the Air Care Alliance, a nationwide league of humanitarian flying organizations, recognized CAP for Outstanding Achievement in Advancement of Public Benefit Flying as a result of the flights, which CAP has provided since June 2016. In presenting the award to Maj. Gen. Mark Smith, CAP’s national commander, NAA President and CEO Greg Principato said, “Civil Air Patrol has distinguished itself as an exemplary organization in support of public benefit flying through its shadow escort flights for the Air National Guard’s 174th Attack Wing. As part of the U.S. Air Force Reaper Training Program for pilots and sensor operators, CAP aircrews accompany the MQ-9 Reapers to and from Military Restricted Airspace for training exercises. In the first 14 months of the mission, CAP pilots and aircrews from the New York Wing, Northeast Region and 34 other wings across the country made 622 flights at the request of the Air Force. [Editor’s Note: Sioux Falls Composite Squadron’s Captain Neil Schmid took part in these “shadow escort” flights in April-May 2017. See the South Dakota Wing Roundup magazine, summer 2017 issue, for his trip report. It is on the Wing webpage under Public Affairs]



- **SAVED BY THE COOKIE:** By Val Strandell. While Lt. Col. Buck DeWeese and my husband were out mentoring a cadet I was in the kitchen baking. It was dark out when two Sioux Falls police officers knocked on door and explained that there had been a complaint that the glider trailer had been parked on the street for long time and that it is too long for street parking. I explained the situation and that Buck and Bill are either driving it away tomorrow or taking it to the airport. At that moment the oven timer went off. I asked the officers to wait a second then came back and gave the them fresh-out-of-the-oven ginger snaps. I explained the weather situation and chatted with them awhile. We then saw a car pull up. It was Buck and Bill. They jumped out and talked to officers. No ticket. Happy officers said they had never been given fresh cookies before.



LT COL BUCK DEWEESE AND LT COL BILL STRANDELL WITH THE GLIDER TRAILER



- **AERIAL WILDLIFE SURVEYS:** SDWG flew six aerial surveys of terrestrial wildlife over four days in December in support of the state’s Department of Game, Fish & Parks (GF&P) and South Dakota State University (SDSU). Both organizations have continually ongoing research projects surveying mountain lions, bobcats, swift foxes, white-tailed deer, mule deer, elk, bighorn sheep, and mountain goats. The result was 17.9 hours flying over western South Dakota and the Black Hills and 5.8 hours flying over eastern South Dakota for a total of 23.7 flight hours. CAP pilots were: Lt. Col. Gary Hewett, 2 sorties; Lt. Col.

Albert Trumble, 1 sortie; Col. Mike Beason, 1 sortie; and Capt. Neil Schmid, 2 sorties. Depending whom the sortie supports the pilot is accompanied by a representative from SDSU or from GF&P. The photo shows a mountain lion, one of the critters tracked by GF&P and SDSU researchers.

For an idea of the scope of this mission here are the 2017 year-end statistical data for the Aerial Wildlife Surveys. SDWG flew 216 sorties over 112 days in 2017. The result was 500 hours flying over western South Dakota and the Black Hills and 47.4 hours flying over eastern South Dakota for a total of 547.4 flight hours.

- **SARA THE CYBER-HERO:** CyberPatriot Releases First-Ever Cyber Security Storybook. The Air Force Association (AFA) CyberPatriot program has announced the release of its first published children’s storybook, Sarah the Cyber Hero. This story is the first known cybersecurity storybook of its kind promoting science, technology, engineering, and math education among America’s youth. “We are thrilled to have Sarah the Cyber Hero as the first book in our Cyber Education Literature Series,” said Rachel Zimmerman, CyberPatriot’s director of business operations. “Children today are getting online at a young age and they need to understand the importance of cybersecurity and being safe in our connected world.” Sarah the Cyber Hero features a female protagonist living in a town full of superheroes. She must earn her superhero cape using the cyber skills she has

learned in her school's cyber education program to protect the town from a malware virus downloaded to a computer. CyberPatriot also recently began its 10th competition season, registering a record-breaking 5,584 teams across the United States and US Department of Defense Schools worldwide. Sarah the Cyber Hero is now available for purchase as an e-book and hard copy. Learn more about Sarah the Cyber Hero and the CyberPatriot program at [www.uscyberpatriot.org/special-initiatives/cyber-education-literature-series](http://www.uscyberpatriot.org/special-initiatives/cyber-education-literature-series).

Source: Air Force Magazine, Daily Report, Thursday, December 7, 2017



- ***AFA'S NEW PARTNERSHIP WITH CAP:*** The Air Force Association (AFA) recently announced a new partnership with Civil Air Patrol designed to advance both organizations' mission to promote aerospace education in communities nationwide. The statement of mutual support, signed in Arlington, Virginia, by retired U.S. Air Force Gen. Larry Spencer, Air Force Association president, and Maj. Gen. Mark Smith, Civil Air Patrol national commander, calls for AFA and CAP to pair CAP squadrons and AFA chapters for the purpose of advocating for aerospace education at the local, state and regional levels. As part of the statement of mutual support, Civil Air Patrol is giving AFA members who "opt in" two years of free enrollment in its Friends of CAP program, which offers interested individuals a way to stay connected with CAP without the obligations or commitments involved with regular membership. As a Friend of CAP, AFA members will also receive an electronic subscription to Civil Air Patrol Volunteer magazine and an invitation to visit a local CAP squadron or special CAP event. AFA is providing similar benefits, including full AFA e-memberships for two years to every current and new CAP member who opts in, as well as providing unit and educator grants to support CAP squadron initiatives in aerospace education and STEM and continuing to provide CAP with opportunities to participate in AFA's national CyberPatriot program. AFA will also promote CAP's Aerospace Connections in Education (ACE) program with AFA chapters nationwide.

## HANGAR TALK

Wing Aircraft Maintenance Officer, Maj. Justin Johnson, writes: With all the new things happening with the wing aircraft I decided to bring everyone up to speed.

- Cessna-182T, tail number N397CA, has a new engine after flying 1999.4 out of 2000 hours. I had the pleasure to stop at American Aircraft Engines in Tulsa, OK on my way home for Christmas Vacation. Mr. Steve Fowler showed me around the shop and I got to see our engine all torn down. He told me that the engine has the right amount of wear on it for a timed out engine. Check the 2018 Wing Conference photos for pics of some of the components of our engine next to the same parts from some CAP aircraft from other wings.
- The Automatic Dependent Surveillance Broadcast (ADS-B) required by FAA by the end of 2020 is now here in SDWG. Cessna-182T, tail number N397CA, was the first to have it installed. Cessna-182T, tail number N933CP, should have it by early 2018. My plan is to have all SDWG aircraft completed by the end of March. If you want to hear more come to my Wing Conference presentation or if you have questions please give me a call.
- I want to thank everyone that I have worked with in 2017 on all things related to SDWG aircraft. There are new things coming all the time and I appreciate the hard work that has been done.

Wing Vice Commander, Lt. Col. Buck DeWeese, has news for all glider & tow pilots, glider & tow pilot wannabes and cadets and officers willing to serve as glider operations ground support staff. N431BA (number 7 on the tail) is here. Our L-23 Super Blanik glider was transported by Lt. Col. Bill Strandell to Rapid City shortly after Thanksgiving. This is the same glider we used in Worthington MN during last fall's Aerospace Education

Weekend. SDWG folks flew almost 25 sorties in her without a hitch. The aircraft will eventually be based in Spearfish where we have been offered hangar space by Lt. Col. Jim Hopewell. Now the only hitch we have we have is getting enough pilots qualified to tow and fly her. I need every former and current glider pilot to send me their glider time and tow experience so I can put together a training/requalification schedule. We plan to start in March so we will have a core of experience to show off our new glider at the upcoming Wing Conference 13-15 April. We also plan glider training and o-rides at the conference. Until we can appoint someone I will wear the "Glider Guru" hat to coordinate and execute all Glider Operations. My phone number is (605)641-2362 or you can email me at deweese@rushmore.com or my Wing address buck.deweese@sdcap.us . For those who would like to get their initial qualification in the glider, please be patient. We must first get our staff trained and qualified to start giving Cadet Glider Orientation Rides. There are "desired" quotas to be fulfilled each year;200 sorties which should include 50% cadet o-rides, 25% pilot qualification training, and 25% other (that is where New Ratings and Cadet Solo ratings would fall). Any cadets or officers wanting to participate can start with online WMIRS training called the "Wing Runner" course. These are the ground personnel essential to help launch, recover and load personnel into the glider. There is a lot more to discuss, but for now please just send me a note expressing your interest in participating.



## STAFF NOTES



### WING COMMANDER

Col. David Small Jr., CAP

- ***PROFESSIONALISM (PART III):*** As CAP members we are privileged to be part of an organization of professional volunteers. What sets us apart from many other volunteer organizations is that the professionalism of our members is often counted on to save lives. That is quite a responsibility. So what are the components of professionalism that set a high bar for CAP members? Major General Mark Smith, the new CAP National Commander, has set professionalism as one of his hallmark objectives. General Smith points out that there are five "pillars" of CAP professionalism. In this issue of the Skychaser I'll address the fourth and fifth pillars; Self-Improvement and Leadership Training and Education.

**Self-Improvement:** It is never too late to teach old dogs new tricks. CAP members are constantly developing new skills and talents. E-services make learning and development easy with on-line courses, SQTR's for operations qualifications and other tools. Part of being a professional is a constant thirst for knowledge and a desire for self-improvement. Most of us don't have a third-grade teacher ready to rap us on the knuckles with a ruler if we don't pay attention and learn. It is up to each one of us to self-initiate and grow. It is very likely that if you are reading this article you have already committed a lot of time and energy into CAP and therefore

gained in knowledge and talents – keep it up! Your knowledge and skills gained in CAP may very well save someone’s life someday.

**Leadership Training and Education:** It is not an accident that all CAP senior members are officers by default (there is plenty of room for NCO professionals also). Cadets are exposed to leadership training as part of their very first promotion. CAP expects that its professional will be leaders in their communities. Though it may appear that some people are natural leaders it never is inborn – leadership must be learned. Servant leadership is expected of our members. We selflessly go out in blizzards looking for lost people. As leaders we should be willing to do anything that we ask of others. Part of a good leader is ensuring that others in the organization are learning so that the entire organization grows. As Wing Commander I am acutely aware that the success or failure of the wing rests with our hundreds of dedicated members. We are part of a great wing with members who are constantly striving for excellence. I appreciate challenges from members as we all learn and grow together. Recently several South Dakota wing members spent at least a week in Texas helping with the hurricane Harvey recovery efforts. By all reports we can be proud that South Dakota members served with distinction. Our training, our leadership and our professionalism were all noted and appreciated by FEMA and other relief agencies.

Thank you all for being part of a professional team. Keep up the good work.

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## **WING VICE COMMANDER**

Lt. Col. Buck DeWeese, CAP

- **FLIGHT SCHOLARSHIPS:** Two \$500.00 Flight scholarships have been awarded to SDWG cadets. C/2<sup>nd</sup> Lt. Julia Lair of the Sioux Falls Composite Squadron has already begun her flight training and even soloed on her 16th birthday in November. C/CMSgt Branden Spence of the Rushmore Composite Squadron is also well on his way towards earning a pilot’s license. He also soloed in November. The SD Wing Finance Committee authorized \$2000.00 to be spent in the FY2017-2018 budget. The Scholarship Awards committee consists of Col. Mary Donley, Lt. Col. Buck DeWeese, and Maj. Nick Gengler. Both cadets submitted their applications in the Fall 2017 window. Next awards will be made in May, 2018. Congratulations to both deserving cadets.

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## **WING DIRECTOR OF OPERATIONS**

Lt. Col. Craig Goodrich, CAP

### **OPERATIONS UPDATE:**

1. Friday, 5 January at 1800 at the Pierre Squadron, Lt. Col. Dave Jeffries will be conducting HF/ALE training. Anyone in the wing that needs this training is welcome to attend. Contact Lt. Col. Goodrich if you desire to attend the training.

2. Saturday, 6 January at 0900 to 1500, the wing will be doing a Table-Top Search and Rescue Exercise in Pierre. This training is specifically for those qualified in Branch Director positions or above. Contact Capt. Patrick Nowlin if you’re planning to attend.

3. Keep 17 to 19 February open for the next SAREX. It will be held either in Custer, or at a location in the Black Hills in Pennington County. There may be an opportunity to do some winter survival training and winter camping. Last year, we tried to do some winter camping, but it was 70 degrees! If you would like to be the Project Officer for this, please contact Lt. Col. Goodrich.

4. Wing Conference: This year, the wing conference will be held in Deadwood. We are hosting the North Central Region Conference at the same time. The date is 12-15 April. Classes will be held on Friday, Saturday, and Sunday. Look for the Eventbrite Sign Up to be out soon with all the details.

5. We've been operating under the new CAP Regulation 70-1, CAP Flight Management, now for a month. Please be sure to comply with the updated guidance, and be familiar with the new ORM procedures.

6. New AF Approved proficiency profiles are out for our pilots. The most significant change in the profiles is that this has two glider proficiency profiles as well as a tow pilot profile. The new profiles also break down the profiles into routine and required items, giving our pilots more discretion based on time available, to focus on the Air Force's intent for each profile and know what must be done, while also being able to do those things to remain FAA current as well. Finally, the pilot working on proficiency cannot also be training others, but another instructor can be on board to do training for other crew members. Check it out, it's at:

[https://www.capmembers.com/media/cms/Pilot\\_Proficiency\\_Profiles\\_AF\\_Appro\\_D76AC441E6A48.pdf](https://www.capmembers.com/media/cms/Pilot_Proficiency_Profiles_AF_Appro_D76AC441E6A48.pdf)

7. When you fly, be sure you "Dress to Egress". Your chances for survival without serious injury are really good in case of an aircraft malfunction that causes a forced landing, but if you're not prepared to spend a night out in sub-zero temperatures, your chances of survival are diminished considerably. Also, check your vehicle survival kit again, and make sure you've got in there everything you need for a frigid night in the ditch. Let's not make a catastrophe out of an unfortunate event.



## **WING DIRECTOR OF CADET PROGRAMS**

Lt. Col. Linda Buechler, CAP



• On 27 December, 29 cadets from all over our nation gathered in Sioux Falls for the North Central Region Cadet Leadership School (RCLS). Cadets from Florida, Kansas, Maryland, Missouri, North Dakota, Nebraska, South Dakota, Virginia, and Texas came together for four days of leadership training. We had 14 different instructors from experienced Civil Air Patrol members, active duty and retired military personnel, and private sector civilians. All brought a wealth of knowledge to pass along to the cadets. Each day the cadets learned new leadership concepts and best practices, and then were challenged later in the week to teach their knowledge to the airmen attending the South Dakota Wing Cadet Leadership School. The cadets successfully graduated on the evening of the 30<sup>th</sup>. They can now achieve the Ira Eaker Award when they promote to Phase IV. A special thanks to the staff, instructors and cadets, and to the South Dakota Wing and North Central Region. Many parents helped out with this event which contributed greatly to it being such a success.

- On 29 December, 16 cadets from the SDWG gathered in Sioux Falls for the South Dakota Wing Cadet Leadership Academy (CLA). These cadets are very new to the Civil Air Patrol program with less than one year of membership. They were taught the basics of teamwork, followership, and leadership. They were also taught by the RCLS cadets on what it means to be a good NCO so they are well prepared for their next step in the Civil Air Patrol Cadet Program. They graduated on the evening of the 30<sup>th</sup> and are now well prepared for advancement into the NCO grades. A special thanks to the staff, instructors cadets and the South Dakota Wing for contributing to the success of the academy. SDWG expresses its sincere thanks to the South Dakota Army Guard in Sioux Falls for allowing us the use of their Regional Training Institute (RTI) facility for the RCLS and CLA.



## **DIRECTOR OF AEROSPACE EDUCATION**

1stLt. Tim Modde, CAP

- This year's Wing AE Day is being planned for July 12-15 and will be held in Philip, SD. The date for the event was previously penciled in for August 10-12. The Philip City Council has approved the request by the Wing to occupy the Philip Airport grounds for the mid-July event. Planning for the event is still open and anyone interested in bringing model aircraft and rockets for either display or demonstration are welcome to do so. Please contact 1st Lt. Tim Modde ([tim.modde@sdcap.us](mailto:tim.modde@sdcap.us)) to arrange scheduling. AE day will feature the new SD Wing glider and hopefully UAV's. Further details and updates will be provided in the Skychaser.



## **WING DIRECTOR OF PROFESSIONAL DEVELOPMENT**

Col. Mary Donley, CAP

- Sioux Falls Composite Squadron will host a Professional Development Weekend Saturday, 3 February. There will be a Squadron Leadership School (SLS) and a Corporate Learning Course (CLC) offered. We will start at 0800 and finish at 1900. Please contact either Capt. Karen Espeland-Terry at [Espeland13@gmail.com](mailto:Espeland13@gmail.com) or Mary Donley at [mary.donley@sdcap.us](mailto:mary.donley@sdcap.us). if you wish to attend.

## **SQUADRON HIGHLIGHTS**

### **BIG SIOUX COMPOSITE SQUADRON (SD-58, BROOKINGS)**

(Item and photos submitted photo submitted by 1Lt. Gross)



**CYBERPATRIOT ROUNDS 1 & 2:** This year our squadron has two teams in the CyberPatriot Competition, a team of high school age cadets and a team of middle school age cadets. Our High School level CyberPatriot team consists of: C/1stLt Mariel Klosterman, C/1stLt Annabelle Klosterman, C/SMSgt Austen King, C/Amn Nolan Rohl, C/MSgt Andrew Sweebe and C/1stLt Jaden Petersen. Our Middle School level CyberPatriot team consists of: C/SMSgt Caleb Hofer, C/A1C Brady Hedrick and C/MSgt Luke Thompson. Both teams are using the team name "T34m B1g S10ux", a *Leetspeak* version of "Team Big Sioux". Round 1 of the

competition took place on-line on 3-5 November; Round 2 took place on-line on 8-10 December. At present the cumulative team standings are; the High School level team is 56<sup>th</sup> out of 1,029 teams (15<sup>th</sup> out of 488 CAP teams) in the All-Services Division. The Middle School level team is 368<sup>th</sup> out of 727 teams in the Middle School Division. Round 3 of the competition, also on-line, is scheduled for 19-21 January.



**BIG SIOUX'S HIGH SCHOOL LEVEL TEAM (LEFT) AND MIDDLE SCHOOL LEVEL TEAM (RIGHT) IN ROUND 2 OF THE CYBERPATRIOT**

## **RUSHMORE COMPOSITE SQUADRON (SD-031, RAPID CITY)**

(Item and photos submitted by Col. Small)



- **CHALLENGE COIN:** On 7 December, Colonel David Small presented C/CMSgt Branden Spence with a South Dakota Wing Commander's Challenge Coin in recognition of his achievement in successfully completing his first solo flight on the way to earning his private pilot's license.

## **SIOUX FALLS COMPOSITE SQUADRON (SD-050, SIOUX FALLS)**

(Items and photos submitted by Lt. Col. Col. Strandell)

- **WAA CEREMONY:** The cadet flights of the Sioux Falls Composite Squadron of the Civil Air Patrol successfully conducted the field operation of placing an estimated 500 wreaths on the graves of Veterans buried at the Hills of Rest Cemetery, Sioux Falls South Dakota on 15-16 December 2017. After the wreaths in the field were placed, a memorial ceremony led by Civil Air Patrol Chaplin, Lt Col Gary Rae was conducted beginning at 11:00 A.M. local time 16 December at the chapel on the Hills of Rest Cemetery site. The Cadet Color Guard marched, posted and retired the colors to open and close the proceedings. Flags from each branch of the Armed Forces were placed front and center in the chapel hall. Active duty members of each branch were there to individually place a wreath in front of each respective service flag in a dignified and solemn manner to honor all of the Veterans who have gone before us. Chaplin Rae delivered an inspiring remembrance followed by a powerful trumpet rendition of Taps by one of our program volunteers.

- **HOLIDAY GATHERING:** We were rewarded for our volunteer service with a pot luck dinner on the evening of 16 December 2017. The pot luck was hosted at the Center for Active Generations on 46th street in

Sioux Falls. Many parents and friends of the cadets attended the pot luck. Sioux Falls Composite Squadron Commander, Lt Col Todd Epp and South Dakota State Wing Commander Colonel David Small addressed the crowd at the pot luck after the invocation. They complimented both the Senior Members and particularly the Cadet flight members. Of particular note was the recognition of the tremendous time commitment and hard work given by the Cadet Color Guard in preparing and volunteering for the Hills of Rest Wreaths project. Colonel Small marveled at the success in planning, organizing, and executing the actions for success. We can all be proud of the Cadets' service to the community and for their patriotic dedication to duty in remembering our Veterans through the Wreaths Across America program.



**CYBERPATRIOT UPDATE - ROUNDS 1 & 2:** We have two teams participating in the CyberPatriot Competition for Academic Year 2017-2018, a team of high school age cadets and a team of middle school age cadets. Our High School level CyberPatriot team consists of: C/CMSgt Chris Schuppan, C/CMSgt David Willison, C/A1C Micah Healy and C/Amn Noah Healy. Our Middle School level CyberPatriot team (team name PLIKD Security) consists of C/CMSgt Isaiah Klosterman, C/SMSgt Peter Willison, C/SSgt Kaleb Sarchet, C/A1C Lydia Klosterman and C/A1C Daniel Willison. At present the cumulative team

standings are; the High School level team is 200<sup>th</sup> out of 1,029 teams (58<sup>th</sup> out of 270 CAP teams) in the All-Services Division. The Middle School level team is 146<sup>th</sup> out of 727 teams in the Middle School Division. Round 3 of the competition, also on-line, is scheduled for 19-21 January.



HIGH SCHOOL LEVEL CYBERPATRIOT TEAM



MIDDLE SCHOOL LEVEL CYBERPATRIOT TEAM



- **CHALLENGE COIN:** On 16 December, Col. David Small presented C/2<sup>nd</sup> Lt Julia Lair with a South Dakota Wing Commander's Challenge Coin in recognition of her achievement in successfully completing her first solo flight on the way to earning her private pilot's license.

## ★ ★ PROMOTIONS ★ ★

### **Cadet Officer Promotions**



Congratulations to Mariel Klosterman and to Annabelle Klosterman, both of Brandon and both members of the Sioux Falls Composite Squadron on promotion to Cadet First Lieutenant! In addition, they have both been appointed to the squadron cadet staff as Administrative Officers.

## Cadet Airman Promotions



Congratulations to Alec Crowser of Philip and Chancey Hall of Highmore, both of members of the Pierre Composite Squadron, and to Micah Healy of Mitchell, a member of the Sioux Falls Composite Squadron, on their promotion to Cadet Airman First Class and receipt of the Gen. Hap Arnold Award!



## ★ ★ KUDOS ★ ★

★ Congratulations to Col. Mary Donley for an excellent job promoting CAP on KDLT-TV's "Someone You Should Know" segment that aired at 6pm and 10pm on 13 December. For those who did not see it live here it is online: [www.kdlt.com/2017/12/13/someone-you-should-know-a-woman-with-wings/](http://www.kdlt.com/2017/12/13/someone-you-should-know-a-woman-with-wings/). The reporter, Allison Royal, a relative newcomer to South Dakota, is a big fan of CAP and has already done much to promote us through her reporting. We hope to give her a media flight in the near future.

★ Congratulations to C/CMSgt Branden Spence of Rushmore Composite Squadron and to C/2<sup>nd</sup> Lt Julia Lair of Sioux Falls Composite Squadron on being awarded a South Dakota Wing Flight scholarship! Both completed their first solo flight in November on their way to earning a private pilot's license

★ Congratulations to SM Richard Rezac of the Pierre Composite Squadron who completed Level I of the Senior Member Professional Development Program. In recognition thereof he was awarded CAP's Membership Ribbon. In addition, he also earned the Brig Gen Charles E. "Chuck" Yeager Aerospace Education Achievement Award!



MEMBERSHIP AWARD



YAEGER AWARD

## ★ ★ TO INFINITY AND BEYOND! ★ ★



On 11 December, the president signed Space Policy Directive 1 that provides for a U.S.-led program with private sector partners for a human return to the Moon, followed by missions to Mars and beyond. The policy calls for NASA to lead a program of exploration to enable human expansion across the solar system. Work toward the new directive will be reflected in NASA's Fiscal Year 2019 budget request next year. "NASA looks forward to aligning our work to return humans to the Moon, travel to Mars and open the deeper solar system beyond," said acting NASA Administrator Robert Lightfoot. Even now we are

developing a flexible deep space infrastructure to support increasingly complex missions. The next generation will dream even bigger and reach higher as we launch challenging new missions, and make new discoveries and technological breakthroughs on this dynamic path."

Source: [www.nasa.gov/press-release/new-space-policy-directive-calls-for-human-expansion-across-solar-system](http://www.nasa.gov/press-release/new-space-policy-directive-calls-for-human-expansion-across-solar-system)

## ★ ★ AVIATION HISTORY ★ ★

The longest-serving "Rosie the Riveter" got her first flight in a C-17 she helped make. After 68 years in the aerospace industry, and having a hand in producing every single C-17 in the Air Force's inventory, an original

Rosie the Riveter got her first flight in one on Monday, 18 December. Elinor Otto, 98, took to the skies in a C-17 she riveted at March ARB, Calif., in a ceremonial flight flown by Air Mobility Command head Gen. Carlton Everhart. Otto joined the aerospace industry in 1942, shortly after the attacks on Pearl Harbor, when she said recruitment signs calling for women to help with the war effort. Recently single and with a young son, she started at a wage of 65 cents per hour. After World War II, the “Rosies” —terms given for women who took men’s jobs in factories—were laid off. Otto tried other jobs before going back to aerospace. Throughout her career, she worked for Rohr Aircraft Corp., Ryan Aeronautical Co., Douglas Aircraft, and Boeing. She retired in 2014 at the age of 95. At Boeing, Otto worked on every C-17 delivered to the US Air Force, along with aircraft for other nations.



Source: Air Force Magazine, Daily Report, Wednesday, December 20, 2017, by Brian Everstin.



**LEFT: J. HOWARD MILLER’S WARTIME “WE CAN DO IT” POSTER OF “ROSIE THE RIVETER”.**  
**RIGHT: NORMAN ROCKWELL’S “ROSIE THE RIVETER” COVER OF THE MAY 29, 1943 ISSUE OF SATURDAY EVENING POST MAGAZINE**

