As we move forward into 2016 we can celebrate and expand on the Pikes Peak Post accomplishments in 2016. Congratulations on receiving four of the five streamers available from National PPP attained streamers in Education and Training, Leadership and Mentoring*, Relationship and Recognition* and Emergency Preparedness and Infrastructure Resilience*. Three (*) were achieved with distinction! The Pikes Peak Post continues to achieve great results and make a difference in our community as the Society of American Military Engineers. I appreciate the effort each of you puts into making our post better. I'd particularly like to recognize Dave Brewer for tracking, collecting, compiling, organizing and submitting all of the data required for the streamers. Please join me in congratulating the PPP membership collectively for a job well done!

The generous members and sustaining firms that support the Pikes Peak Post (PPP) maintain a willingness to support the local and national communities and uphold the SAME mission. Over the past quarter the PPP Outreach program has been very active. We enjoyed a week of professional networking in during Engineers’ Week in February during which we embraced the engineering discipline and mentored young high schoolers. Our team of SAME led volunteers put together a wonderful Engineers’ Luncheon program which featured Dr. Merri Sanchez, Air Force Space Command Chief Science and Technical Advisor, as guest speaker. In addition, they provided mentoring in engineering as a profession to two local schools; thanks to the Farnsworth Group for sponsoring the high school students. The SAME Student Chapter from US Air Force Academy (USAFA) excelled at the Associated Schools of Construction regional competition in Sparks, NV. Their teams took 3rd place in the Design Build Competition and 4th place among 12 teams in the Commercial Competition. A salute to USAFA faculty members who supported this endeavor: Dr. Pocock, Capt Weeks, and Capt Pach.

Our industry briefs in January and February resulted in large Government and Industry turnout at our monthly meetings. Our March meeting at Patty Jewett will highlight the evolution of engineering as we see the heavy insertion of Cyber into the world of engineering.

2016 brings a lot of activity from the Joint SAME PPP/USAFA Graduating USAFA Civil Engineers Banquet in April with BGen Greene as keynote speaker to our annual Girls’ Scout Engineering Day in May. As the summer ends we have plans for a Rocky Mountain Front Range Industry Day and our annual SAME Education & Mentoring Golf Tournament at the USAFA Eisenhower Golf Course. May is election month for a nomination for the Board of Direction or a Committee Chairperson from the members of the current board and our new slate of officers. If you have a nomination for the Board of Direction or a Committee Chairperson, please send them to one of the members of the current board and we will consider them for the slate.

Continued on Next Page
President’s Letter (Continued)

to be presented to the membership at the May general membership meeting.

Our members are what make PPP and SAME great! I sincerely appreciate those of you who have been volunteering – we appreciate your support and dedication. We continue to increase our individual and sustaining firm memberships in 2015. Thus far in 2015, we’ve added five new individual and six new sustaining members. If you’d like to get involved in PPP activities, our calendar is filled with numerous opportunities to participate and volunteer. I’d like to enlist all of you to increase participation along with membership.

As always, your Board of Directors is available and wants to hear your ideas and welcomes new volunteers for SAME PPP.

Warm Regards,

Bryan P. Truesdell, Colonel, P.E. USA
President, Pikes Peak Post
Society of American Military Engineers

MARK YOUR CALENDERS

UPCOMING LOCAL SAME EVENTS

12 April  SAME PPP Monthly Chapter Meeting. Topic: TBD, Location USAFA
22 April  Joint SAME PPP/USAFA Graduating USAFA Civil Engineers Banquet, Keynote Speaker: Maj Gen Timothy Green USAF; Location: USAFA Falcon Club; Register at www.regonline.com/2016sameusafaengineerdinner
7 May  3rd Annual SAME / Girl Scout STEM / Engineering Day, Location: USAFA
10 May  SAME PPP Monthly Chapter Meeting. Topic: TBD, Location: Peterson AFB Club
14 June  SAME PPP Monthly Chapter Meeting. Topic: TBD, Location: Patty Jewett Golf Course
12 July  SAME PPP Monthly Chapter Meeting. Topic: TBD, Location USAFA
7-13 July  SAME Engineering Camp. USAFA. See article for more details later.
24-25 August  SAME Rocky Mountain Front Range Industry Day – Details pending
26 August  SAME Education & Mentoring Golf Tournament – USAFA Eisenhower Golf Course – Blue Course

SAME REGIONAL UPCOMING EVENTS

23-24 March  Transition Workshop and Job Fair, Baltimore MD
3-5 April  2016 Critical Infrastructure Symposium (CIS) Charleston, SC
6-7 April  Small Business Conference/Industry Day Norfolk, VA
SAME Public Sector Memberships
For Uniformed and Civilian Members
Army, Navy, Air Force, Marine Corps, Coast Guard
and Public Health Service

The Society of American Military Engineers (SAME) is now offering Career Memberships to those in uniform, and drastically reduced rates to civilians in the uniformed services. Membership in SAME provides opportunities to:

- network with leaders of the uniformed services and industry at national and local conferences and events;
- interact with members of all branches of the uniformed services to become better-educated on joint engineer operations;
- gain valuable training and receive professional development hours through SAME topic-specific workshops on LEED, design-build, project management, and construction and facility management; and
- receive discount registration fees for SAME events as well as events and certification programs offered by our strategic partners, including the Construction Management Association of America and the International Facility Management Association.

Rates Effective Jan. 1, 2010:

- Uniformed Service Members (Active Duty, Participating Reserve and Guard, all ranks and ages):
  - New Member rate: $60. One-time membership fee is valid for the duration of uniformed service
  - Current Members: No further payment required for duration of service in uniform

- Uniformed Service Civilians (applies to all age groups for duration of employment with the uniformed services):
  - 3-year rate: $45
  - 5-year rate: $60

Public Agency Memberships remain at the current rates. Beginning in 2010, public agencies that support SAME will be eligible to compete for the annual Public Agency Award regardless of whether the agency is an SAME Public Agency Member.

Take advantage of this special offer and join SAME today.
3rd Annual SAME / Girl Scout STEM/ Engineering Day – May 7, 2016

The Society of American Military Engineers (SAME) Pikes Peak Post will be hosting an STEM / Engineering Day for Girl Scouts on May 7th, 2016 at the US Air Force Academy. It is a day loaded with activities for Girl Scouts to have fun and learn about engineering. We need your help to make this event successful and fun for the Girl Scouts. You can help a little or a lot. You will find great satisfaction knowing that you helped these girls build character with so little of your time and effort. Will you help? You can help by volunteering to help on the planning committee, being an escort, or donating snacks. There are several other tasks big and small that we need your help with. If you are interested in helping please contact Todd Cartwright at TAC-VW@Comcast.net or 719-313-2288

Follow us on Facebook. facebook.com/SAMEPPPSTEMGS. For more info about Pikes Peak SAME, please see our website: http://posts.same.org/pikespeak

CSU-Pueblo Adjunct Professor Opportunity! Construction Management Program

CSU-Pueblo is extending its Construction Management program to Colorado Springs! The Construction Management program is expanding to offer a convenient degree completion program for community college transfer students, military members, and other non-traditional students in the Colorado Springs area. The program will feature condensed 8 week courses offered in the evening hours. The courses will run out of CSU-Pueblo’s new Tower Location in Colorado Springs at 2864 South Circle Drive, which is conveniently adjacent to I-25 (Exit 138).

CSU-Pueblo is committed to helping the Colorado Springs area meet the national and local need for construction managers by providing course work that is flexible and affordable. Our intent is to extend CSU-Pueblo’s top notch Construction Management program to develop skilled managers for local industry.

To help us expand the program we’re looking for experienced construction, engineering, science, and business professionals to teach the following courses.

- Surveying 1 and 2
- Civil Drafting 1
- Construction Management
- Statics and Structures
- Construction Materials and Methods
- Concrete and Asphalt Materials
- Wood Structural Systems
- Soils in Construction
- Concrete and Steel Structures
- Building Cost Estimating
- Heavy/Highway Cost Estimating
- Construction Planning and Scheduling
- Mechanical and Electrical Systems
- Construction Law
- Construction Safety
- Construction Accounting and Finance
- Principles of Physics 1 w/lab
- Principles of Chemistry w/lab
- Earth Science w/lab (geology)
- Principles of Management
- Principles of Financial Accounting
- Business Communications
- Principles of Macroeconomics
- Principles of Microeconomics
- Ethics in Business

CSU-Pueblo’s adjunct professor qualification minimums include a Master’s degree and work experience in a related field. Preferred qualifications include previous college level teaching experience and/or a PhD.

To get started on the path to becoming an adjunct professor, just forward a resume and unofficial transcripts from all higher education institutions to Dr. Patricia Milner, Director of Extended Studies and Continuing Education, CSU-Pueblo at patricia.milner@csupueblo.edu. If you want more information or have questions, feel free to e-mail or give Patty a call at 719-549-2304.
Volunteer Opportunities

Want to get more involved with the SAME Pike Peak Post (PPP)? We always need volunteers and it’s through our volunteers’ efforts that we are able to fulfill the PPP objectives. We are seeking volunteers for the following positions:

- **Peterson AFB Liaison**: 1-2 hours per month
  Duties: Represent the interest of the base to SAME PPP. Provide inputs for newsletter and other SAME communications as appropriate.
  Location: Primarily Virtual, SAME PPP Board meeting attendance if available.

- **Communications Committee**: 5 hours per month
  Duties: Support development and communications of PPP pending events and SAME PPP accomplishments
  Location: Primarily Virtual, SAME PPP Board meeting attendance if available.

- **Programs Committee**: 4-6 hours per month
  Duties: Determine agenda, solicit speakers, coordinate venues and ensure professional conduct of monthly PPP Chapter meetings.
  Location: Primarily Virtual, SAME PPP Chapter meeting Board meeting attendance if available.

- **Small Business Committee**: 4-6 hours per month
  Duties: Solicit regional small businesses (SB) to present at monthly chapter meetings. Solicit recommendations for SAME SB Awards. Promote the role and relevance of small business in SAME through outreach. Interface with SAME SB Council
  Location: Primarily Virtual, SAME PPP Board meeting attendance if available.

- **Young Members, Industry Liaison**: 2-4 hours per month
  Serve as intermediary between PPP and young members organizing and facilitating networking events
  Primarily Virtual, SAME PPP Board meeting attendance if available

Credentialing Achievement Awards Program (CAAP) For Young Members and NCOs

In an effort to support SAME Young Members and NCOs obtain credentials that strengthen their professionalism, SAME has developed the CAAP. The program is intended to help fund exam sitting or registration fees for credentials, certifications or licensures deemed to have intrinsic value to SAME’s mission and the architectural and engineering professions. These include:

- Fundamentals of Engineering Exam and Professional Engineer Exam (any discipline)
- Architect Registration Examination (for any division)
- Certified Construction Manager (Sponsored by Construction Management Association of America)
- Design-Build Certification (Sponsored by Design-Build Institute of America)
- Leadership in Energy and Environment Design (Sponsored by U.S. Green Building Council)
- Certified Energy Manager (Sponsored by Association of Energy Engineers)
- Project Management Professional (Sponsored by Project Management Institute)
- Certified Facility Manager (Sponsored by International Facility Management Association)
- Credentials offered by National Institute for Certification in Engineering Technologies (NICET)

Others may be considered on a case by case review by the Committee and with the approval of the SAME Director of Programs. CAAP applications will be evaluated by a review committee for approval. If you have questions, please contact Hector M. Hernandez at 850-396-4934 or Hector.Hernandez@ch2m.com

Proposed 2016-2017 Post Officer Slate

The Pikes Peak Post will be electing officers to serve one-year terms from June to May, with voting to be done by the general membership via majority vote in May. Please submit candidates to Ruben Cruz (ruben.cruz@merrick.com) by April 20, 2016. Thank you for supporting the Pikes Peak Post! The elected positions are as follows:

- **President**
- **1st Vice President**
- **2nd Vice President**
- **Secretary**
- **Treasurer**
- **Young Members, USAFA**
- **Young Members, Industry**
- **Fellows**
Buckley AFB News
460th Space Wing selected as 2015 Omaha Trophy Winner

Extracted from U.S. Strategic Command Public Affairs article

In recognition of outstanding support to U.S. Strategic Command’s (USSTRATCOM) strategic deterrence, space and cyber-space missions, U.S. Navy Adm. Cecil D. Haney, USSTRATCOM commander, announced the winners of the 2015 Omaha Trophies at USSTRATCOM Headquarters on Feb. 3, 2016. Haney said the winning organizations demonstrated “the highest standards of performance in support of USSTRATCOM’s global, diverse missions.”

“We salute the members of these professional units for their outstanding contributions to twenty-first century strategic deterrence and extend appreciation for their contributions and congratulations on their selection for this prestigious award,” he added. Haney also lauded the efforts of the other nominated units for their dedication to providing a safe, secure, effective and ready deterrent force. “Each nominee is truly an outstanding representative of their task force, joint task force, or functional component. Their sustained professionalism, record of mission accomplishment and emphasis on effective warfighting readiness is remarkable,” he said. “I am proud of each and every one for their contributions to our nation’s defense.”

The Omaha Trophy, which dates back to the U.S. Air Force’s Strategic Air Command, was originally created by the Strategic Command Consultation (SCC) Committee in 1971. At the time, a single trophy was presented annually as a token of appreciation to the command’s best wing. Since then, the tradition has evolved to unit-level awards that recognize USSTRATCOM’s premier intercontinental ballistic missile (ICBM) wing, ballistic missile submarine, strategic bomber wing and global operations (space/cyberspace) unit. This year, a new category was added to include the combatant command’s top strategic aircraft wing.

Those receiving awards represent organizations throughout USSTRATCOM which are critical to fulfilling the combatant command’s primary mission: to detect, deter and prevent strategic attacks against the United States and its allies.

The 2015 Omaha Trophy recipient organizations are listed by category below:

- **ICBM:** 341st Missile Wing, Malmstrom Air Force Base, Montana
- **Ballistic Missile Submarine:** USS Wyoming (SSBN 742), Naval Submarine Base Kings Bay, Georgia
- **Strategic Bomber:** 2nd Bomb Wing, Barksdale Air Force Base, Louisiana
- **Strategic Aircraft:** 92nd Air Refueling Wing, Fairchild Air Force Base, Washington
- **Global Operations:** 460th Space Wing, Buckley Air Force Base, Colorado

Cheyenne Mountain News
Cheyenne Mountain North Portal Work Nearing Completion

by Dave Smith, 21st Space Wing Public Affairs staff writer

A little more than two years ago the Colorado Springs area experienced what some called a 500-1,000 year rain storm. Anywhere from 10 -14 inches of rain reportedly fell in a 72-hour time frame causing tremendous flooding and mudslides from Ft. Collins to Colorado Springs. Included in the catastrophic aftermath was Cheyenne Mountain Air Force Station. Fortunately the facility is located deep underground, secured in the granite of Cheyenne Mountain. Unfortunately, the underground complex’s main entrance, the North Portal, was in the path of a massive mud and rock slide. The slide deposited about 7,200 cubic yards of debris on the North Portal access road while destroying drainage culverts, retaining walls, and undermining pavement.

The ensuing projects to not only restore, but prevent simi-
lar events in the future, are nearly complete. The final thrust of work began in August and is slated to be finished by year’s end. During this phase of the repair project, vehicular traffic through the north portal is being severely restricted, requiring most traffic to enter the complex through the alternate South Portal entrance.

Erik Waldrip, 721st Civil Engineer Squadron project manager understands the inconvenience of using shuttles and entering through the South Portal, but said it is worth it for the long haul. When the current work is completed another, similar storms will not do the same amount of damage. A quick band aid would have been less bothersome for those working inside the mountain, but the same thing would happen in the case of another flood like the one in 2013.

“This facility will be far better prepared for another huge storm event,” said Brian O’Leary, a 721st CES mechanical engineer.

Vehicle access through the North Portal was opened to vehicle traffic a few days after the rock slide, leading military and mission partners to assume the portal was up and running for good, but in mid-August of this year the portal was closed to allow final work to be completed.

Reverting to using the South Portal as the main entrance is a point of contention for some. But the amount of debris that inundated the facility and the damage it caused must be considered. Waldrip said trees about one-foot in diameter, large boulders 10 feet in diameter and tons of mud went 500 feet deep into the North Portal. For some perspective, the 7,200 cubic feet of debris in the portal area equates to about 1,500 standard dump truck loads.

Not only does the physical work of removing such a formidable debris pile take time, but so does making sure it won’t happen again. Months of study was required simply trying to figure out what to do and to ascertain the degree of damage. Add on top of that efforts to determine the best methods of prevention and it can take a long time for such a project.

Assessments, geotechnical studies, designs and analysis took about 11 months, O’Leary said. After initial cost estimates were developed, contractors capable of completing the work within budget constraints had to be found. Improvements to the South Portal were needed as well, so it could handle the increased use while North Portal work was ongoing. Prior to the rock slide its primary function was as an emergency ingress to the facility.

When all is said and done improvements, repair and prevention measures will include a series of steel nets in the canyon adjacent to the North Portal to catch large debris, the paving and improvements to the South Portal, an enlarged drainage basin of at least 8,500 cubic yards, and shoring up of the roadway near the North Portal and lower parking lot.

“There was a serious debate concerning the cost benefit analysis associated with the basin capacity and the design event when measured against the physical constraints of the mountain.” said Anthony Alecci 721st CES operations flight chief. There may be more work into 2016 related to parking, and NORAD Road but it will not interfere with portal access.

“Basically there is only one way in and out. That’s a benefit and a challenge,” Waldrip said. “We came close to losing the road and access to the upper parking lot. Protecting the infrastructure in this zone is critical to prevent erosion and get back to normal use.”

Vehicle traffic through the North Portal will resume on Dec. 23. Bus pick up will remain at the current location in the parking lot as the protection-level one security screening area remains under renovation. However instead of the current 15 passenger vans traveling down NORAD Road,
up South Portal Road to await clearance for the single lane traffic inside the blast tunnel there will still be a one lane traffic section, but it will be about a tenth of what it was previously. Riding the bus inside should take five to 10 minutes instead of the current 10 to 30 minutes. Pedestrian traffic will remain unchanged.

“Cheyenne Mountain Air Force Station is quickly approaching its 50th anniversary of full operational capability in April and the work that has gone into this project by 721st Mission Support Group will ensure that CMAFS will survive whatever mother nature has in store for the next 50 years and beyond,” said Col. Gary Cornn, 721st MSG and CMAFS installation commander.

Fort Carson News
Cybersecurity Threat: Post Teams With Utilities for Full-Scale Exercise
By Dani Johnson, Fort Carson Public Affairs Office

Hardly a day goes by that the news doesn’t highlight a situation where a company was hacked by criminals and information was stolen. In today’s world, it is not just personal information that can be stolen, but the utilities that keep lights on and water flowing are also at risk to be hacked.

The Fort Carson Emergency Management Team with Colorado Springs Utilities and local emergency management offices gathered Dec. 17, 2015, to discuss cybersecurity for utilities and networks in a four-hour seminar. “(This seminar) is all about relationships, especially in times of crises,” said Col. Joel D. Hamilton, garrison commander. “Human beings are predictable and this is why the (cyber) threat is real.”

The seminar started with Dr. Michael Staggs, a senior consulting engineer with AccessData Group, discussing digital forensics and actions that can be taken to find those who are trying to gain access to installation systems. “Digital forensics deals with not only dry bits and bytes of electronic artifacts, but also with subject matter which may be disturbed,” said Staggs. He also explained that those in digital forensics work to find patterns to catch people trying to cause harm to the digital infrastructure. “On average, it takes 20 months before an organization knows it has a hacker,” he said.

The second discussion focused on Supervisory Control and Data Acquisition (SCADA) and Industrial Control Systems (ICS). “SCADA is typically deployed across (a) large geographic area like (an) electric grid or natural gas pipelines,” said Wally Magda, internationally recognized cyber and physical security expert for ICS. “(SCADA) is one type of many systems used to keep the lights on and energy flowing.” Magda explained there are many protections in place to protect SCADA and ICS but there is still a lot that can be done. “A vast majority of hacking incidents (into an ICS) go unreported,” said Magda. “There was a 400-percent increase in vulnerability reports to the Federal Emergency Management Agency ICS-Cyber Emergency Response Team since 2010.” Magda said that the government and businesses can’t afford to protect everything but the cost of doing nothing can be much greater and regulatory guidelines and safety are not negotiable. Also, human safety is paramount and equipment must be protected, if possible.

The seminar ended with an expert emergency response panel of the two guest speakers and four others from Fort Carson and Colorado Springs Utilities. The seminar is the first of three events scheduled leading to the full-scale exercise using an attack on a utility system as the scenario. The next event is a tabletop scheduled for March 10, 2016.

Air Detachment members of NMCB 17 deployed with NMCB 7 to Iraq in early 2005 where they completed significant road and infrastructure projects in support of the Battle of Fallujah and the vital network to move troops.

The unit’s final mobilization was in 2008, to Al Anbar province and then to Afghanistan, to meet changing mission requirements.

Schreiver AFB News
Shriever AFB Fire Department Earns AFSPC Award

Sometimes I recount stories about where I grew up, on a mile-long dirt road that was up hill both ways. People usually laugh. Then I continue about how I only had wood heat, spring fed water and a rotary phone with a party line (the older generation out there should remember that one). My unique and monolithic cultural experience, if left without opportunities provided by my parents, teachers and the Air Force, could have left me with a narrow and
biased outlook toward people. To demonstrate this experience, I remember a funny story about my first week at kindergarten. One of my classmates, who became a good friend of mine, went home to her parents and said there was a “little black boy in her class.” Now, I do have some American Indian genetic influences, and it was late August after a long summer in the sun, but the comment speaks to the monolithic “white” cultural experience I was raised in. There was no ethnic or cultural diversity in my home town.

The U.S. military, at least during my career, has always received high approval ratings. One of the reasons for this has to do with the military being a reflection of society, a reflection of a “melting pot” nation. All Americans can see a reflection of themselves in the military. The U.S. military is not a praetorian guard for our civilian leaders. Consider for a minute, if our military was made up of all white men from Peoria, Illinois, would the institution be held in such high regard? It is critical that each American sees a part of themselves in the military, the institution charged to protect them from all enemies foreign and domestic, no matter their race, religion, sex, orientation, traditions or where they came from.


Gen. Mark A. Welsh, Air Force chief of staff, said, “The greatest strength of our Airmen is their diversity! Each of them comes from a different background, a different family experience and a different social experience. Each brings a different set of skills and a unique perspective to the team. We don’t just celebrate diversity...we embrace it!” I would even go a step further and argue diversity also maintains our credibility with the American public and allies around the world.

I, like many in the military, may have been raised in an area of the country that lacked diversity, but I quickly learned how valuable a diverse population is when I joined the most powerful and diverse military in the world. Being a “melting pot” nation with a military that reflects diversity is a powerful tool as we engage allies and enemies around the world. I am proud of that one little, often unappreciated, characteristic that makes our military and country so exceptional.

Peterson AFB News
21st CES Electricians in Action

Staff Sgt. Jason Allred and Senior Airman Genevieve McGeary, 21st Civil Engineer Squadron electricians, troubleshoot the lights on the canopy at the gas station Dec. 9, 2015. Part of the mission of the 21st CES is to maintain, repair and construct essential facilities and utility infrastructure systems to include electrical power systems, water and natural gas distribution systems and base roads and pavements. (U.S. Air Force photo by Senior Airman Rose Gudex)
USAFA News

USAFA SAME Student Chapter Wins at ASC Competition

The USAFA SAME Student Chapter won at the regional Associated Schools of Construction (ASC) competition in Sparks, Nevada. They competed in Region 6 against teams from Alaska, Arizona, Colorado, Idaho, Nevada, New Mexico, Montana, Utah, and Wyoming. They entered two teams with six cadets each (total of 12 students) and took 3rd place out of seven teams in the Design Build Competition and were recognized as the 4th place team out of 12 in the Commercial Competition. Want to learn more about the ASC competition? Then just click on https://www.youtube.com/watch?v=dYsPqBSsjYY and watch the Behind the Scenes at the ASC 2015 Student Competition YouTube video. The students who competed are SAME Student Chapter members and the faculty coaches (Dr. Pocock, Capt Weeks, and Capt Pach) are SAME PPP Members.

U.S. Air Force Academy Becomes Firewise Community/USA®

The U.S. Air Force Academy received recognition as a Firewise Community/USA® after completing the criteria required of the national program. James Donahey, forester with U.S. Air Force Academy Natural Resources, and Diane Strohm, a natural resources manager with Academy Natural Resources, spearheaded the local Firewise effort. The Natural Resources department at the U.S. Air Force Academy has been strategically reducing fuels for over a decade. Donahey and Strohm, both U.S. Fish and Wildlife Service employees, work closely with Academy Fire Chief Ken Helgerson and his staff in planning fuels management activities.

“Creating a fire-resilient Academy is one of our foremost objectives, so to be recognized as a Firewise Community is a great acknowledgement of all of our ongoing efforts to reduce fuels and educate our residents and cadets,” said Donahey. “The more communities along the Rampart Range that take the initiative to develop Fire Safe Councils and implement Community Wildfire Protection Plans, the more prepared we will be for events like the Waldo Canyon Fire and the Black Forest Fire.”

Much of the Academy’s focus has been on establishing fuelbreaks along roads, ridges, and installation boundaries, to increase the chance of halting a fast-spreading wildfire and enhance firefighter access and safety. Woody fuels also have been cleared in close proximity to numerous structures. Creating such defensible space is critical in defending these values at risk. The Academy has thinned forests and cleared fuels in proximity to its housing areas, and plans to begin clearing around individual residences this year. Recent projects have addressed defensible space around the historic Cadet Lodge, a favorite meeting place for cadets and other Academy staff, and the historic Scout Huts. The latter are still utilized by Boy Scout troops, who volunteered their time to clear brush and other woody debris in proximity to each structure.

Firewise Communities/USA is a program of the National Fire Protection Association. Five steps are necessary for a community to receive the Firewise Communities/USA designation:

After Defensible Space Treatments at Scout Huts
1. Obtain a wildfire risk assessment from the state forestry agency or fire department
2. Form a Firewise board
3. Create an action plan based on the wildfire risk assessment
4. Conduct a “Firewise Day” event
5. Invest a minimum of $2 per capita in local Firewise actions for the year.

Dave Root, assistant district forester with the Colorado State Forest Service Woodland Park District, has been working with the Air Force Academy to achieve their Firewise Community recognition. He says that the Academy provides a highly visible example that others can follow. “A Firewise Community can be as structured as the Academy, or as informal as a cul-de-sac,” he said. “What makes a Firewise Community is when neighbors understand wildfire as a common threat, best addressed by working together. Any group of neighbors taking action can be recognized.”

The Academy will host a Firewise event and recognition ceremony this spring related to National Wildfire Community Preparedness Day on May 7.

OUTREACH, EDUCATION & MENTORING


Dates for the 2016 camp have been set for 7-13 July. We will be accepting 96 kids from around the world. We are also looking for mentors who are young engineers and willing to support the camp for a week. Mina McCullom is leading the recruiting efforts. Please visit the Pike’s Peak SAME website for details on the application process. Camp details can be found at http://samecamps.org/.

SAME Pikes Peak Chapter Engineer’s Week Activities

In honor of National Engineers Week, several local engineering chapters joined forces the week of 23 February to bring engineering awareness, mentoring, and social networking to the local Colorado Springs community. More information about the national event can be found at: http://www.discovere.org/our-programs/engineers-week

More than a week-long event, Engineers Week is a year-round commitment to making a difference throughout our local communities by encouraging:

• Celebration of how engineers make a difference in our world.
• An increase in public dialogue about the need for engineers.
• Engineers to bring engineering to life for kids, educators, and parents.

The Society of Military Engineers (SAME), National Society of Professional Engineers (NSPE), American Society of Civil Engineers (ASCE), Society of Women Engineers (SWE), American Society of Mechanical Engineers (ASME), Engineers Without Borders (EWB), and National Society of Black Engineers (NSBE) jointly brought together over ten engineering professionals to volunteer their time during the week’s activities.

Engineers Week in Colorado Springs this year kicked off on Monday February 23rd with a luncheon hosted at the U.S. Air Force Academy’s Doolittle Hall, the Alumni Association Building. The well attended event included pro-
professional networking and mentoring by forty-six local area professionals and fourteen special guests from Mitchell High School ranging from freshmen to seniors. Farnsworth Group graciously sponsored meals for all of the student attendees, the cadet honor guard performed the presentation of the colors, and the Association of Graduates provided media support.

Captain Marlyse Williams performed master of ceremony duties, leading the group’s opening comments and guiding the event. Dr. Merri J. Sanchez, acting Space Command Chief Scientist at Peterson Air Force Base, was the distinguished speaker for the afternoon. Dr. Sanchez gave an inspirational briefing on her life experiences as a young scientist working with the National Aeronautics and Space Association (NASA), a glimpse into her current command level responsibilities, and her vision for the future of space and engineering within the national discourse. Students and professionals alike were able to engage with Dr. Sanchez in a question and answer session at the close of her presentation.

On Tuesday February 24th, the outreach continued with visits by two concurrent groups of professionals at Mitchell High School and Falcon High School. Led by Captains Timothy Pach and Marlyse Williams, Air Force Academy Cadets visited Falcon High School to conduct outreach during several lunch breaks and within one-on-one classroom visits. Led by Major Daniel Diaz, a group of six active duty engineering officers and working professionals visited Mitchell High School to conduct outreach sessions throughout the day with groups of classes ranging from twenty to forty students. The day at Mitchell High School concluded with a five-person panel that presented both experiential anecdotes as well as answered individual inquiries from the students about engineering education and professional practice. Students were also presented with information regarding available scholarships through SAME, SWE, and NSBE. In total, about three hundred thirty students were in combined attendance at the day’s outreach events.

The week’s events concluded with a social gathering and membership appreciation drive sponsored by ASCE at the Summit Interquest bowling alley on the north side of Colorado Springs.
Did You Know…Some Small Business Facts?

Did you know that:

Small businesses make up:
• 99.7 percent of U.S. employer firms,
• 63 percent of net new private-sector jobs,
• 48.5 percent of private-sector employment,
• 42 percent of private-sector payroll,
• 46 percent of private-sector output,
• 37 percent of high-tech employment,
• 98 percent of firms exporting goods, and
• 33 percent of exporting value.
(Source: U.S. Census Bureau, SUSB, CPS; International Trade Administration; Bureau of Labor Statistics, BED; Advocacy-funded research, Small Business GDP: Update 2002-2010)

Small firms accounted for 63 percent of the net new jobs created between 1993 and mid-2013 (or 14.3 million of the 22.9 million net new jobs). Since the end of the recession (from mid-2009 to mid-2013), small firms accounted for 60 percent of the net new jobs. Small firms in the 20-499 employee category led job creation. (Source: Bureau of Labor Statistics, BED. For the latest employment statistics, see Advocacy’s quarterly reports.

How can small businesses’ share of net new jobs be larger than their share of employment, yet their share of employment remain steady?

As firms grow, they change employment size classes. So as small firms grow, their growth counts toward small firm job gains; but if they pass the 500-employee mark, their employment is classified as large firm employment.

Which businesses create more jobs—startups or existing businesses?

In the last two decades about 60 percent of the private sector’s net new jobs have been created by existing establishments and about 40 percent from the churn of startups minus closures. While firm births account for many new jobs, job losses from firm closures are equally important in accounting for net effects to employment levels. (Source: Bureau of Labor Statistics, BED)

SAME PPP Small Business Spotlight Candidates Wanted!!

Greetings SAME PPP – we are currently seeking small businesses to give a short presentation on their firm’s offerings at the SAME PPP general membership meeting during the “Small Business Spotlight.” The Small Business Spotlight is an opportunity for Small Businesses to network with a group of people/companies from the same industry and perhaps ultimately team with one of the companies represented by the membership. Also, key decision makers from Government agencies are present providing an opportunity to present to agencies which champion acquisition of products and services from Small Businesses.

Please contact Mina McCullom at Mina.McCullom@Syn-EnergyLLC.com for more information.

AWARDS & RECOGNITION

PPP Recognized by SAME for 2015 Achievements

Once again, SAME PPP membership distinguished themselves in 2015. Each year, SAME Posts compete for Streamer Awards in recognition of outstanding performance and achievement. For 2015 the SAME PPP membership accomplishments earned the following streamers:

- SAME Emergency Preparedness & Infrastructure Resilience with Distinction
- SAME Relationships and Recognition Streamer with Distinction
- Awarded National SAME Leadership, Training, and Mentoring with Distinction
- SAME Education and Training Streamer

Streamers Awarded to PPP - 2015

- SAME Emergency Preparedness & Infrastructure Resilience with Distinction
- SAME Relationships and Recognition Streamer with Distinction
- Awarded National SAME Leadership, Training, and Mentoring with Distinction
- SAME Education and Training Streamer
Add a Third Post to Your Membership for Free

As a member of the Society of American Military Engineers you have been entitled to Two Post Memberships with your Individual Membership. SAME’s Executive Committee has approved an option to increase your benefits—and allow you to add a Third Post for Free! Why not triple the size of your network? To take advantage of this free membership benefit, you must Login to your Membership Record and pick from among any of the other 105 Posts. If you do not know your login information, click here to have your username or your password sent to you. Typically your username is your email address and your password is your member ID number. If you have any questions, contact Marc Bialek (mbialek@same.org) or Stacy Humes (shumes@same.org) at any time.

Welcome to New PPP Members

A hearty welcome to our new SAME PPP members. We’re glad to have you on the team!

New Individual Members:
- Mr. Kurt Danis
- Mr. Neil Arnold
- Ms. Dorothy Schanz
- CPT Jacob Brakeman
- Mr. David Binkley

New Sustaining Members:
- Tom Kapels - TK Architecture
- Ms. Leslie Lassi - CH2M Hill
- Mr. Mark Fleming - HDR
- Mr. Randy Courduff - HDR
- Mr. Clay Benson - Mortenson Construction
- Mr. Jarrad Jackson - Mortenson Construction
- Mr. Nate Smith - Siemens Industries, Inc

SAME Mission
To promote and facilitate engineering support for national security by developing and enhancing relationships and competencies among uniformed services, public and private sector engineers, and related professionals.

SAME Vision
To be a premier global engineering organization leading the professional and personal growth of all members in support of military readiness and development of solutions to national security challenges.

SAME Values
- Integrity • Patriotism • Public Service • National Security • Technical Competence
  • Excellence • Environmental Stewardship
Sustaining Membership

SAME Sustaining Memberships offers the opportunity to network with industry leaders in the public sector and uniformed services. Learn about upcoming projects first-hand at numerous workshops and events, such as the annual Engineering Service Chiefs and Federal Programs Briefings. Interact with Young Members as they find their path in the A/E/C field.

Included with a membership are five slots for individuals as organization member representatives. SAME requires that one of those representatives must be in its Young Member category (35 years of age or younger). All five of your representatives will receive subscriptions to The Military Engineer magazine, SAME News and Government and Industry e-News, allowing them to stay on top of important developments in the A/E/C field.

The annual cost of a sustaining membership varies by the size of the firm, and membership in multiple posts can be obtained at a discount. Please visit the SAME National web site, http://www.same.org/ for detailed information and to join the Pikes Peak Post SAME. You may contact Amy Booth at abooth@tk-architecture.com with questions regarding Sustaining Membership.

SAME Sustaining Member Companies – Did You Know?

You may be able to add more names to your membership and it actually helps grow PPP membership while these individuals can have a great experience. Your Sustaining Membership includes six openings for individuals as your member representatives. (SAME requires that two of those representatives must be in its Young Member category, age 39 or younger. All six representatives will receive all the benefits afforded them as an SAME member including a subscription to The Military Engineer magazine, discounts on attendance to SAME events including the Joint Engineer Training Conference & Expo, and access to the members-only section of the SAME website. Your principal representative and Young Member representative also will receive a copy of the annual SAME Directory of Member Companies and Public Agencies. For more details go to http://www.same.org/index.php/membership/join-same/sustaining-membership-private-sector
## CONTINUING SUSTAINING MEMBER FIRMS

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<tr>
<th>Firm Name</th>
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<td>4Clicks Solutions</td>
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<td>Farnsworth Group Inc.</td>
<td>Reynolds, Smith &amp; Hills, Inc.</td>
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<td>CDM Smith</td>
<td>Louis Berger</td>
<td>Tepa, LLC</td>
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<td>Merrick &amp; Company</td>
<td>UNIFLEX Fluid Applied Roofing Systems</td>
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<td>Oz Architecture</td>
<td>U.S. Air Force Academy</td>
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<td>URS Corporation</td>
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<td>ECC</td>
<td>Parsons</td>
<td>Wilson &amp; Company, Inc., Engineers &amp; Architects</td>
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<td>Encore Electric, Inc.</td>
<td>Pate Construction Company, Inc.</td>
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All members can update their member profiles by visiting www.same.org/update. Keeping your member profile current ensures all post and committee communications reach you. As always, you can also contact the SAME HQ Membership Department for assistance with updates to your membership record.
# 2015 - 2016 Board of Direction

<table>
<thead>
<tr>
<th>Role</th>
<th>Name</th>
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<tbody>
<tr>
<td>President</td>
<td>Jane C. Penny, P.E., F.SAME, AECOM</td>
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<tr>
<td>President-Elect</td>
<td>Capt. Michael L. Blount, P.E., F.SAME, USN (Ret.), Balfour Beatty</td>
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<tr>
<td>Vice President</td>
<td>Col. Sal Nodjomian, P.E., F.SAME, USAF (Ret.) Matrix Design Group</td>
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<tr>
<td>Vice President</td>
<td>Col. Kurt Ubbelohde, F.SAME, USA (Ret.), LEO A DALY</td>
</tr>
<tr>
<td>Chair, Academy of Fellows</td>
<td>Capt. Bill Bersson, P.E., F.SAME, USN (Ret.) HCR Construction (Non-Voting)</td>
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<tr>
<td>Past President</td>
<td>Col. John W. Mogge, PH.D., RA, CSIP, F.SAME, USAF (Ret.) CH2M Hill</td>
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<tr>
<td>Executive Director</td>
<td>Brig. Gen. Joseph “Joe” Schroedel, P.E., F.SAME, USA (Ret.)</td>
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<tr>
<td>Treasurer</td>
<td>Rich Khalil, CPA, A. Morton Thomas &amp; Assoc. (Non-Voting)</td>
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<tr>
<td>Counsel</td>
<td>Harold I. Rosen, Esq., F.SAME, The Law Office of Harold Rosen (Non-Voting)</td>
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<td>Regional Vice Presidents:</td>
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<td>Carolinas:</td>
<td>Steve Thomas, P.E., AECOM</td>
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<td>Europe:</td>
<td>Col Aaron Benson, USA</td>
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<td>Great Lakes:</td>
<td>Jim Hagan, F.SAME</td>
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<td>Lower Mississippi</td>
<td>Timothy “Stephen” Gambrell, Mississippi River Commission</td>
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<td>Middle Atlantic</td>
<td>Mary Anderson, F.SAME, Schnabel Engineering</td>
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<td>Missouri River:</td>
<td>Michelle French, Stanley Consultants</td>
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<td>New England:</td>
<td>John Gerstenlauer, P.E., F.SAME, Perini Management Services</td>
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<td>North Atlantic:</td>
<td>James DeGour III, P.E., KP Engineers &amp; Assoc. Inc.</td>
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<td>Northwest:</td>
<td>CDR Terry McCann, F.SAME, USNR (Ret.), EA Engineering, Science &amp; Technology</td>
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<td>Ohio Valley:</td>
<td>Mark Kessinger, F.SAME, Geosyntec Consultants, Inc.,</td>
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<td>Pacific:</td>
<td>Richard Stump, AIA, LEED AP BD+C, Stanley Consultants,</td>
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<td>Rocky Mountain:</td>
<td>Cindy Linciome, Betance Enterprises</td>
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<td>South Atlantic:</td>
<td>CAPT Alan Watt, P.E., F.SAME, LEED AP BD+C, USN (Ret.), RS&amp;H</td>
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<td>South Central:</td>
<td>Bob Sidoti, STOA Architects</td>
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<td>Siokey Gastelum-Galvez, Fortis Networks</td>
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<td>TEXOMA:</td>
<td>Steve Houser, F.SAME, Oneida Total Integrated Enterprises</td>
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SAME Executive Committee:  
- Jane Penny  
- Mike Blount  
- John Mogge  
- Kurt Ubbelohde  
- Sal Nodjomian  
- Hal Rosen  
- Rich Khalil  
- Bill Bersson  
- Marv Fisher  
- Bob Schlesinger  
- Cindy Linciome  
- Matt Altman  
- Clarence McAllister  
- Alan Watt  
- Ernie Edgar  
- Bob Sidoti  

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**THE SOCIETY OF AMERICAN MILITARY ENGINEERS**
PIKES PEAK POST 2015-2016 OFFICERS AND VOLUNTEERS

SAME PIKES PEAK POST EXECUTIVE COMMITTEE

Thanks to our latest three volunteers for stepping up to help out the SAME PPP team: Bridget Morrissey, Young Members (Industry); Nina McCollum, Engineering Summer Camp; and 1st Lt Victor Nelson, Fort Carson Liaison.

POST OFFICERS*:
President: Col Bryan Truesdell, USA
1st Vice President: Dr. Ruben D. Cruz
2nd Vice President: David C. Brewer
Secretary: Amy Umiamaka
Treasurer: Steve Howell
Assistant Treasurer: Cindy Lincicome

ELECTED DIRECTORS*:
USAFA Faculty Advisor: Capt Timothy Pach, USAF
Young Members - USAFA: Capt Timothy Patch, USAF
Young Members – Industry: Tim Koher
Fellows/Senior Members: Col (Ret) Joseph Schwarz

APPOINTED DIRECTORS* (Chairperson of Committee):
Programs: Lt Col Eric Fajardo
National Security: Capt William Beary, USN (Ret)
Membership: Amy Booth
Engineering Summer Camp: Scott Prosuch/
Mina McCollum
Education and Mentoring: Chuck Weiss
Professional Development: Bob Fant
Communications: Cindy Lincicome
Newsletter Editor: Gary Dagenhart

Outreach Program: Amanda (Clark) Dittmer
K-12 Program: Robin Thompson
Boy Scout Initiative: Todd Cartwright
Awards and Recognition/Streamer Submissions: Dave Brewer
Small Business Liaison: Mina McCullom
USAFA Student Chapter: Jerry Milliman
USAFA Student Chapter Liaison: Cadet Lucas Guthrie
USAFA Student Chapter Advisor: Capt Monica Pickenpaugh, USAF

LIAISONS:
Past Post President: Capt George Suther, CEC, USN
Peterson AFB Liaison: Vacant
Fort Carson Liaison: Jani McCreary
USAF Academy Liaison: Keith Butala
NORAD/NORTHCOM Liaison: Kirk Bergner
Schriever AFB Liaison: Lt Chad Colocar, USAF
Enlisted NCO Liaison: CMSgt Randall Youngblood

SPECIAL INITIATIVES:
Golf Tournament Task Force: Candis Hamilton
Engineers Week Activities: Major Daniel Diaz

**Post Officers, Elected Directors, and Committee Chairpersons (Appointed Directors) are Voting Members**