



SOCIETY OF AMERICAN MILITARY ENGINEERS SACRAMENTO POST NEWSLETTER

www.samesacramento.org

Volume 5 Issue 1

Spring 2015

Upcoming Events:

27 March 2015
Small Business Workshop

1 June 2015
2015 SAME Sacramento
Post Golf Tournament

See samesacramento.org
for more upcoming events.

To be notified by email of
upcoming SAME events
and announcements,
please send a request to
[info@
samesacramento.org](mailto:info@samesacramento.org)

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Welcome to 2015!

By COL(CA) Michael L Herman, PE, Sacramento Post President

As we begin another year, we'd just like to thank everyone for all of their contributions in 2014. The strength of this Post is its people, with a central core of volunteers who never fail to step up and deliver. We had three very successful major events last year: the golf tournament, the Symposium, and the holiday mixer. Between them they generated over \$45,000 in funds to support college scholarships, wounded warriors, shelter programs, deployed service members, and service member families. WE also contributed to the community in events ranging from high school and college programs to the American River clean-up day.



All of these events will be repeated in 2015. Our golf tournament is scheduled for June 1st, and we will hold a Sustaining Members Forum in August. PEMA will take the lead for our holiday mixer in December, once again supporting St John's Shelter and the Travis Fisher House. We're beginning a new program supporting the Sacramento STARBASE Academy. Other events will be announced over the course of the year.

Many of your fellow members have already volunteered to take a lead role in planning and staging these complicated events. While we'd love to see every member at every event, we also encourage each member to volunteer to assist at any event. Just a few more willing hands can make it much easier on all involved.

Consider making this the year that you volunteer, even if it's just for one event. One of our goals is to make it fun to be a member of this Post. There's a lot of truth in that old saw, "the more, the merrier". Your participation will also help support the SAME values: Integrity, Patriotism, Public Service, National Security, Technical Competence, Excellence, and Environmental Stewardship.

Holiday Party a Huge Success

By Mike Conrad, SAME Fellow, Sapper West



The Sacramento Post of the Society of American Military Engineers (SAME) joined the Professional Environmental Marketing Association (PEMA) to host their annual Holiday Party on 16 December 2014. This year's event was held for the first time at the Alumni Center on the campus of Sacramento State University. The focus for this event was threefold; have a good time, network with potential business

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Holiday Party a Huge Success (cont.)



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partners, and raise money for the Fisher House and the St. John's Women's Shelter. As a means to accomplish these goals, company donated raffle prizes were emphasized and the requirement for admission was a holiday themed hat. Contests were conducted for best raffle prize and for best and most original Holiday Hat.

As a result of these efforts, the event had over 150 participants, raffled off more than 30 prizes, and accrued over \$9,000 to be split between the Fisher House and the St. John's Women's Shelter.



Sacramento Post Sponsors STARBASE Sacramento

By COL Mike Herman, SAME Sacramento Post President

The Department of Defense STARBASE Academy is a premier educational program, sponsored by the Office of the Assistant Secretary of Defense for Reserve Affairs. At DoD STARBASE, students participate in challenging "hands-on, mind-on" activities in Science, Technology, Engineering, and Math (STEM). They interact with military personnel to explore careers and observe STEM applications in the "real world." The program provides students with 25 hours of stimulating experiences at National Guard, Navy, Marine, Air Force Reserve, Army and Air Force bases across the nation. The Sacramento STARBASE program, located adjacent to the Okinawa Street Armory at the former Sacramento Army Depot, is requesting assistance from the Sacramento SAME Post.

STARBASE Sacramento has asked SAME to

develop a speaker's bureau for their Career Day activities. They would need a maximum of five speakers per month during the school year. The speakers could be five different individuals, or one individual repeating each day for five days. The speaker will have a maximum of 20 minutes, split between presentation and Q&A. STARBASE is hopeful that we can find speakers who will be dynamic and interesting to a class of 11-year old fifth graders. Speakers may focus on their job or life story, bring videos or slides, or even bring in equipment for hands-on. The intent is to get the students interested in a STEM career.

SAME members can volunteer by sending an email to the Post President at michael.i.herman.nfg@mail.mil. He will provide more details on the presentation, as well as coordinating the actual scheduling.



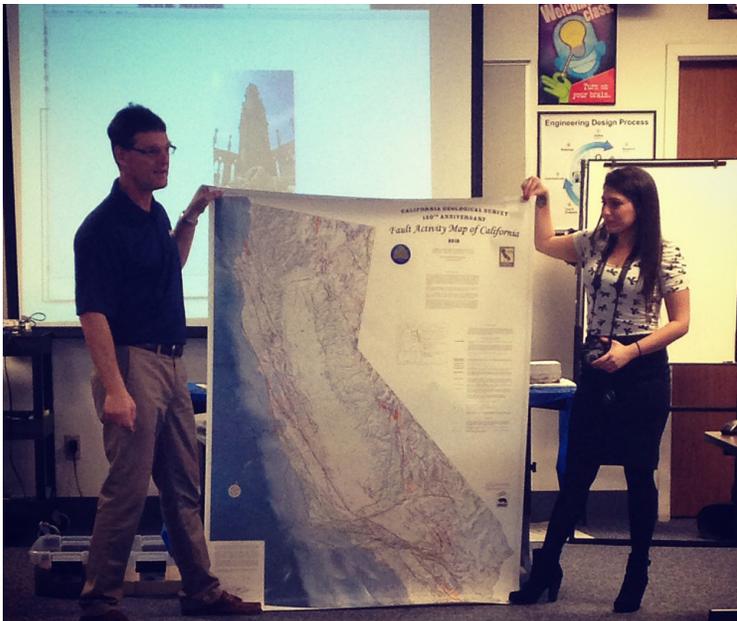
Join the 'SAME Southwest Region Group' on LinkedIn to get the latest updates on SAME as well as connect with other SAME members in your area. The Southwest Region includes eight Posts and associated Field and Student Chapters throughout California and Nevada.

Sacramento Post Participates in STARBASE Activities

Sarah McIlroy, Post Director, Stantec

During the last week of January, Sacramento Post members had the opportunity to share their career passions with fifth grade students at the STARBASE Academy. Five Sacramento Post members presented 20 minute presentations to a group of 30 fifth graders. Both students and presenters had a fun time during these hands on presentations.

Steve Sanders of SAGE Engineers presented a hands-on liquefaction demonstration. Using a shake table to simulate an earthquake, students learned how sandy soil, when disturbed by motion, loses its strength and stiffness, allowing water to filter up through the soil and compress it. The students also looked at photos of earthquake damaged structures, which depicted the amount of damage soil liquefaction can cause.



Steve Sanders of SAGE Engineers

Martin McIlroy, CEG, PE of Taber Consultants presented geotechnical engineering concepts. He made a hands-on soil anchor demonstration using carriage bolts, hex nuts, washers, a metal bucket and moist sand. Class participants helped assemble the demonstration using the washers and hex nuts to put the sand in compression. The bucket was turned upside down demonstrating that the anchors held the sand in compression within the bucket. This concept was related to the rock anchors being installed at the Panama Canal Galliard Cut and that rock kept in compression cannot dilate and therefore cannot



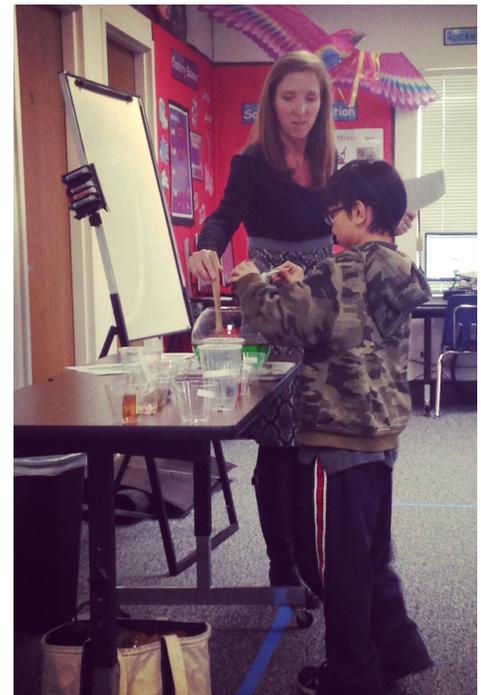
Martin McIlroy of Taber Consultants

easily slide or move.

He also presented pictures of Taber Consultants' geotechnical projects including: Cars on K Street in Sacramento; Sacramento International Airport Jet Fuel Tank Farm; Sacramento River Left Bank Levee Rehabilitation and Re-design and the Carquinez Strait Suspension Bridge on Interstate 80 to relate local recognizable projects to the class while also explaining how the Taber Consultants' engineers participated and developed recommendations for the projects. At the end of the presentation, Martin handed out souvenir rock cores from various Taber Consultants projects around California.

Sarah McIlroy of Stantec presented information about the water cycle and the importance to protecting our

precious water resources. Sarah's presentation included a hands-on presentation she calls "Urban Stew" that teaches participants about our day-to-day activities and how those activities might impact water quality. At the end of the presentation, Sarah discussed ways that we all can help protect water quality on a daily basis.



Sarah McIlroy of Stantec

January General Meeting: New Year, New Legislation

By Erin Crandall, Sacramento Post Director, CH2M Hill

The New Year, in its usual manner, brought changes and resolutions for improvement to the Sacramento region and the SAME Sacramento Post for 2015. The January General Meeting discussed a particular legislative change for 2015, at a new Post meeting venue: the Alumni Center on the California State University, Sacramento campus. General Meetings are scheduled to be held at the Alumni Center in 2015, unless otherwise noted. The January meeting focused on outlining the Water Quality, Supply, and Infrastructure Improvement Act of 2014 and was presented by Michele Ng, Senior Engineer for the Division of Flood Management of the CA Department of Water Resources.

The Water Quality, Supply, and Infrastructure Improvement Act of 2014 is a \$7.545 billion general obligation water bond measure approved by California voters on the November 4, 2014 ballot. The measure will provide funding for needed investments as part of a statewide, comprehensive water plan for California. More information about the Water Bond can be found here:

http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201320140AB1471.

The meeting presentation outlined the purpose of the Water Bond is to allocate money for clean and safe water, drought rehabilitation, updating aging water infrastructure, developing and guarding water supplies, investing in groundwater sustainability, to address California water resource challenges, and the implementation of the Governor's CA Water Action Plan. California Governor Jerry Brown will be requesting that the 2015/16 FY money be allocated for the topics:

- Clean, Safe, and Reliable Drinking Water - \$135 M
- Protecting Rivers, Lakes, Streams, Coastal Waters and Watersheds - \$178 M
- Regional Water Security, Climate, and Drought Preparedness - \$56.6 M
- Statewide Water System Operational Improvement and Drought Preparedness - \$3.3 M
- Water Recycling - \$ 137.2 M
- Groundwater Sustainability - \$20.9 M
- Flood Management - \$0 M

Why SAME?

By LT C. B. Allen, CEC, USN

I was recently asked the pointed question: "Why should we invest time in SAME? Our workload and op-tempo keep us too busy." My personal feelings on the question aside, this topic seems to be on a lot of minds and represents the first - and greatest - hurdle to increased participation within the SAME post. The Society of American Military Engineers Mission Statement reads: "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, and by developing future engineers through outreach and mentoring." Basically, to keep our nation strong by building relationships within

the engineering community and developing the next generation of engineers. Relationships are critical. No single one of us can be a subject matter expert in every engineering discipline. Day after day, our jobs come down to knowing who to go to more than knowing what the answer to a question is. And as engineers we tend to focus our efforts on our technical skills - sacrificing the relationship building, the communicating, the 'people skills' that are the key to transforming an engineer into a leader. SAME reminds us, even forces us, to build and develop relationships, thereby improving our job effectiveness. As far as developing the next generation of engineers part, time spent volunteering may be considered 'mission fail' if you

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GOLF**SAME SACRAMENTO POST SCHOLARSHIP FUND
2015 ANNUAL GOLF TOURNAMENT - 1 JUNE 2015****REGISTRATION COMING SOON**www.samesacramento.org

same location

**CATTA
VERDERA**
COUNTRY CLUB1111 CATTA VERDERA COUNTRY CLUB
LINCOLN CALIFORNIA 95648

The 2015 SAME Sacramento Post Scholarship Fund – Annual Golf Tournament is fast approaching. Do not miss your chance to help our future engineers and be a part of this great networking event.

A wide variety of sponsor opportunities are available. This is an excellent opportunity to promote and provide visibility to your firm. Please see the attached flyers for event and sponsorships opportunities.

The event will include green fees, golf cart, range balls, box lunch, beverages on the course, and dinner. Mulligan and Raffle tickets will be available for sale during the event. Contests included in the day's events will be Closest To The Pin, Long Drive, Accuracy Drive, Long Put, Longest Drive, and a variety of other fun games presented by the sponsors.

Thank you in advance for your support!

We look forward to spending the day with all of you. Don't miss out on this great opportunity to help local students become the future of the engineering and environmental world.

Sincerely,

2015 SAME Sacramento Post Scholarship, Annual Golf Tournament Committee



For questions, volunteer and sponsorship opportunities,

please contact:

Denise Dutra at 209.915.5073

ddutra@dutragroup.com

**REGISTER - MARK
YOUR CALENDARS
- LET'S MAKE THIS
ANOTHER RECORD
BREAKING EVENT!**

Why SAME? (cont.)

(continued from page 4)

are in an organization that can't look further into the future than the next week's data calls. But for an organization that realizes its current workforce will not be around for an eternity, a small investment in mentoring and outreach will pay huge dividends in

ensuring the long-term viability of the organization.

SAME is what you make of it - the more you invest in it, the more both you and your organization will benefit from it.

Sacramento Post Awarded Three Streamers with Distinction by National

by Sarah McIlroy, Post Director, Stantec

SAME National recently announced streamer results for 2014. Streamers are essentially “goals” set by National for Posts to achieve during each calendar year. Based on applications submitted by each post, National recognizes Posts who achieve the goals and also recognize an extra level of achievement as “with distinction”. The three streamers the Post was awarded for 2014 are:

- Education and Training
- Leadership and Mentoring
- Relationships and Recognition

Our Post was awarded the streamers “with distinction” meaning that the Post completed all the activities recommended by National. Each streamer award is the result of carefully planned activity by the Sacramento Post Board of Directors and Committee Members and dedicated time and effort to execute each activity and event.

The Education and Training streamer goals for example include the lunch meeting programs and site visits that provide technical information and PDH units and our programs to assist engineers with certifications and higher degrees.

The Leadership and Mentoring streamer goals include our mentoring workshops for young and student members such as the STARBASE mentoring, sending young members to training conferences, our K-12 outreach and support of the Science, Technology, Engineering and Math programs at the high school level, and much more.

The Relationships and Recognition streamer goals include the publishing of this newsletter, maintenance of a web site, email communications, and a solid program to recognize and reward excellent and selfless contributions from Post members to meet Post goals.

Membership is asked and encouraged to get involved by contacting a member of the SAME Post leadership group, found on the web site, and expressing your area of interest.



SAVE THE DATE - August 20th 2015 Sustaining Members Forum

By David O. Cook, PE, PMP, F.SAME; 2015 Conference Chair

The SAME Sacramento Post will host this year its biennial one-day conference event, the Sustaining Members Forum (SMF). The SMF is planned as a benefit for our sustaining member firms by organizing a conference focused primarily on business opportunities. The event this year will be August 20th at the alumni center at the CSUS campus.

The SMF will include presentations on some of the largest projects/programs affecting our region. The agenda is still in the early planning stages, but expect updates on major projects including potentially CA High Speed Rail, the Delta

Improvements, levee safety and evaluations, and Isabella Dam. The SMF will also feature presentation on the expectations and needs of the major area military engineering shops—USACE SPD and Districts, AFCEC, and NAVFAC.

Tabletop exhibit space and sponsorship opportunities will be available. Please plan to sponsor and participate. As you know, proceeds are channeled back to our community as student scholarships and support for our returning troops. Thanks in advance. Updates and registration information will be provided by email announcements and on our web site. We will see you August 20th!

Sacramento Post Sustaining Member Firms

The Sacramento Post is made strong by the continuing support of our Sustaining Member Firms and our Supporting Agencies. These great organizations are listed below (based on the National Database on October 12, 2014). If there are any questions about membership, please don't hesitate to contact David Cook at 530-558-5697 or cook931@me.com.

| | |
|---------------------------------------|--|
| 347 Group, Inc. | CH2M HILL |
| AECOM | City Light & Power, Inc. |
| AHTNA Engineering Services, LLC | Collins Engineers Inc. |
| Ahtna Facility Services, Inc. | ECORP Consulting, Inc. |
| Ahtna Government Services Corp. | Engineering/Remediation Resources Group (ERRG) |
| Alta Vista Solutions | Environmental Quality Management Inc. |
| Amec Foster Wheeler | ERM |
| Anvil Builders, Inc. | Forsgren Associates, Inc. |
| ARCADIS, U.S., Inc | Gannett Fleming Inc. |
| Atkins | Geocon, Inc. |
| Bay West LLC | GHD Inc. |
| BC Laboratories, Inc. | Gilbane Federal |
| Black & Veatch Special Projects Corp. | Granite Construction Company |
| Blackburn Consulting | Hal Hays Construction Inc. |
| Blaine Tech Services, Inc. | Hammel, Green, and Abrahamson, Inc. |
| Brown and Caldwell | Hatch Mott MacDonald |
| Burleson Consulting Inc. | HDR |
| CA Department of Water Resources | HydroGeoLogic Inc. |
| Cabrera Services Inc. | Innovex Environmental Management, Inc. |
| Cardno, Inc. | Jacobs |
| CB&I Federal Services, LLC | Kiewit |
| CDM Smith | Kleinfelder |

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The Sacramento Post appreciates the support from all our Individual Members and Sustaining Member Firms!

Those individuals or firms interested in becoming SAME members can contact Sacramento Post Membership Chair, Dave Cook at cook931@me.com. For information on types of available SAME memberships, please visit: <http://www.same.org/>

Sacramento Post Sustaining Member Firms (cont)

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Leidos
Magnus Pacific Corporation
Marsh Creek LLC
Mead & Hunt, Inc.
MGE Engineering, Inc.
Michael Baker International, LLC
MWH
NCE
Ninyo & Moore
Nordic Industries, Inc.
Northgate Environmental Management, Inc.
Pacific States Environmental Contractors, Inc.
Parsons Brinckerhoff
PIKA International
Psomas
Quincy Engineering, Inc.
RFE Engineering
Robert Heinen Consulting Engineers
Rolf Jensen & Associates
RORE, Inc.
SAGE Engineers Inc.
Shannon & Wilson Inc.
Site Work Solutions, Inc.
Spectrum Services Group, Inc.
Stanley Consultants Inc.
Stantec, Inc.
Suulutaaq, Inc.
Swinerton Builders Government
Synectics
Taber Consultants
Tepa, LLC
Terracon Consultants, Inc.
TerranearPMC, LLC
Terraphase Engineering, Inc.
Tetra Tech, Inc.
The Dutra Group
The Stahl Companies, Inc.
The Whiting Turner Contracting Company
Towill, Inc.
Tri-Technic Inc.
Trihydro Corporation
U.S. Army Corps of Engineers - Sacramento District
URS Corporation
Versar
WEST Consultants, Inc.
Westervelt Ecological Services
Weston Solutions, Inc.
Wildlands
Wood Rodgers, Inc.
Woodward Drilling Company, Inc.
Woolpert, Inc.

