



SAME Sacramento Post Newsletter

The Society of American Military Engineers
www.samesacramento.org

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LEADERSHIP HIGHLIGHT

Welcome Message

by SAME Sacramento Post New President Colonel Bill Leady, USACE Sacramento District Commander

Dear Sacramento Post, Society of American Military Engineers:

Wow, 2010-0211 has been another great year for the Sacramento Post. In military terminology we accomplished our mission and are driving on do so again in the upcoming year. It's a pretty ambitious 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, and by developing future engineers through outreach and mentoring."

And we've met these goals again and again with our superb conferences and forums, our Sustaining Members Forum, our Young Members Forums, our annual Golf Tournament, and our regular monthly meetings. We've been so successful in fact, that this past year we've been able to award over \$43,000 in scholarships to young aspiring future engineers, the most we've ever awarded in a single year! (More info on this is included within this newsletter!) Additionally,

last summer we sent three Sacramento High School Students to the Army's, Navy's and Air Force's week-long engineering camps and we are repeating that this summer. We also gave \$5000 to Math Science Engineering Achievement (MESA), an organization that works with our local High Schools.

It has been a year of growth for the Post. We now have 113 sustain member firms, with 459 Sustaining Member Representatives, the highest number in our history. We also have 214 individual members; that's great! I need to thank Ms. Vida Wright. She personally has had a lot to do with the success and growth of the Sacramento Post and congratulations to her as she is now serving as the SAME Southwest Region Vice President.

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SAME EVENTS

THE 2011 CALIFORNIA WATER CONFERENCE WILL ADDRESS PROGRESS IN MANAGING CALIFORNIA'S WATER RESOURCES

By David Cook, P.E., PMP, Cook Consulting, SAME Sacramento Post Water Conference Co-Chair

The 2011 California Water Conference will provide an important update on the water management issues facing California. The plenary and technical sessions will be present insights into administrative and technical solutions and their implementation. With the caveat that speaker commitments and topics will likely be in a state of flux right up to and during the conference, lets take an inside look at how the program is shaping up.



Two robust plenary sessions are planned for the conference. One session will be on Tuesday, October 4 and the next on Wednesday October 5. Leaders will address the attendees to provide an overall perspective on progress and where budget dollars will be focused. Plenary session speeches are planned from:

Plenary Session 1

Hon. Doris Matsui, Member of Congress (invited)

Ms. Jo-Ellen Darcy, Assistant Secretary of the Army for Civil Works (accepted)

Mr. David Hayes, Dept of Interior (invited)

Mr. Roger Cockrell, Senate Appropriations Staff (invited)

Plenary Session 2

Hon. Jerry Brown, Governor State of California (invited)

Mr Don Glaser, Bureau of Reclamation (invited)

Mr Mark Cowin, California Department of Water Resources (accepted)

Dr Jeff Mount, University of California at Davis (accepted)

Plenary sessions will be followed each day by technical sessions. About half of the technical session speakers will be from public agencies. The public agencies that will speak at the conference will include the Bureau of Reclamation, the US Army Corps of Engineers, State of California Department of Water Resources, the Central Valley Flood Protection Board, and the Sacramento Area Flood Control Agency. The agency experts will discuss topics with a focus on sustainability and risk management, levees and dams/reservoirs, the California Delta, restoration, flood protection and construction technologies. Four competing tracts of technical topics will afford the attendee a choice of what to see and hear.

Examples of the lively topics under preparation include:

- research on the levee vegetation issue
- implementation of risk management in flood protection planning
- proper locations for environmental restoration projects
- salmon restoration

In summary the 2011 California Water Conference will focus on need-to-know issues of importance to engineers and scientists in the management of our water resource.

The 2011 Water Conference will also once again include the business opportunities session. The session will be on Thursday morning allowing for agency briefings and a question and answer session on government needs and opportunities for business. SAME members who regularly attend the Sustaining Members Forum will, for 2011, want to attend the California Water Conference for the business opportunities briefing.

The 2011 California Water Conference will be held October 3rd through the 6th the DoubleTree Hotel. The registration site for the conference will be your SAME Sacramento Post website, www.samesacramento.org. The registration links will be active soon. Sponsorship opportunities, exhibitor space rentals, and room reservations will also be available soon. See you there.

(Dave Cook is an elected member of the Board of Directors of the SAME Sacramento Post and is the Owner of the newly-formed business of Cook Consulting. He is currently working as Co-chair for the 2011 California Water Conference.)



SAME EVENTS

SAME Sacramento Post Awards Record Level Scholarships to 26 Local Students

By Steve Crane, ITSI, SAME Board of Directors and Chair of the Scholarship Committee

On May 19, 2011 at a special evening dinner ceremony the Sacramento Post of the Society of American Military Engineers (SAME) awarded 26 scholarships totaling a Post-record \$43,000 to local high school, community college, and college students from the area or attending schools in the Sacramento Region. SAME scholarships are awarded annually to students who are studying engineering or related technical disciplines, including computer science, environmental studies, architecture, math, or the physical sciences. Individual scholarships vary from \$1,000 to \$4,000 for college students and from \$1,000 to \$2,000 for high school students.



This year's 9 college awardees and the schools they are attending are: Andrew Renwick, UC Davis; Kristina Hammerstrom, University of the Pacific; Troy Hart, Sac State; Jake Daum, Arizona State University; Blake Reller, Cal Poly SLO; Shannon Barcal, University of the Pacific; Jenkang Tao, UC Berkeley; Steven Pham, UCLA; and Ismael Osegueda, Sierra College.

The 17 high school awardees are: Edward Lesnick, Folsom (Folsom); Ross Greer, Oak Ridge (El Dorado Hills); Alexandra Dukes, Golden Sierra (Garden Valley); Michael Signorotti, Christian Brothers (Sacramento); Amanda Chen, Davis Senior (Davis); Sarah Walker, Golden Sierra (Garden Valley); Patricia Revolinsky, El Dorado (Placerville); Samuel Moffitt, El Dorado (Placerville); Bridget Eckhardt, El Dorado (Placerville); Zachary Meyer, Granite Bay (Granite Bay); Jake Coplen, Granite Bay (Granite Bay); Zachary Anderson, Christian Brothers (Sacramento); Gabriel Ehrlich, Davis Senior (Davis); Cheri Nixon, Del Oro (Loomis); Peter Vonich, Elk Grove (Elk Grove); Rohit Talreja, Folsom (Folsom); and Brad Reller, Galt (Galt).

This outstanding group of applicants represented a rich diversity in backgrounds, geography, accomplishments, contributions to their communities, and educational pursuits. The Post had originally intended to award fewer scholarships, but this year's applicants were all exemplary students and representatives of their communities. The selection committee felt that they embodied what SAME as an organization wants for representatives of its ideals, and therefore, the decision was made to increase the number of scholarships awarded for this year.

SAME scholarships are competitive and are based on academic performance; references; academic/professional goals; extracurricular and volunteer activities; community service activities; previous or active military service or ROTC membership, if any; a statement of why applicant should be considered for the award; and other comments or justification to assist in the selection process, such as special challenges the applicant has had to overcome or school or community awards.

The Sacramento Post Scholarship program has grown tremendously in recent years, increasing the total cash value of all scholarships in 7 of the last 8 years. This notable contribution to the development of young engineers and scientists has resulted in widespread recognition for the organization as well as a solid influx of young members. In just the last 5 years alone, the Sacramento Post has awarded \$150,000 in scholarships to deserving area students. Current plans are for a similar robust Post scholarship program in 2012.

The 2011 Post Scholarship Committee included Dave Bieber, GEOCON; Dave Zuber, Brown & Caldwell; Guy Graening, Brown & Caldwell; Wendy Linck, Brown & Caldwell; Carl Lang, USACE (ret.), and Steve Crane, ITSI (chair).



SAME EVENTS

SAME Joint Engineer Education and Training Conference (JETC) 2011

By Sharol Moore, Cardno ENTRIX, SAME Board of Directors

The SAME National Conference is always vibrant and well attended. Throw in Texas hospitality, an armadillo race, bull riding and a sporting clay event and a good time was bound to be had by all! At the icebreaker event there was additional excitement with a tornado watch and close to two thousand people exiting to the basement of the hotel. This however, provided up close and personal networking opportunities. All the events were well attended. Registration opened early for JETC



2012 with a long line and an immediate sell out. Looks like St Louis will have great attendance. I hope to get up even earlier next time to try and register for a booth in 2013.

SAME Sponsors Students for Attending Service Academy Engineering and Construction Camps

by Dave Zuber, Brown and Caldwell

The Society of American Military Engineers offers a unique series of engineering camps designed for High School students who excel in math, science and technical courses and are interested in pursuing engineering in college. These one-week camps are high energy, hands-on events for students from across the country and around the world and are led by a professional staff of engineers from both private industry and the military services. Activities include design and construction of concrete beams that are stressed to failure, and building working sprinkler and wastewater systems. Each SAME Post is allowed to sponsor one candidate for each camp, and offer financial support for the campers to attend. The individual posts submit the student applications to the camps, where they are selected by camp organizers through a competitive process. The Army camp takes place from June 19 to June 24 in Vicksburg, Mississippi, the Air Force camp takes place at the United States Air Force Academy in Colorado Springs, Colorado from June 24 to June 30, and the Navy camp take place in Port Hueneme, California from July 31 to August 4. This year, the SAME Sacramento Post scholarship committee identified and sponsored candidates for all three Service Academy Engineering and Construction camps that take will place this summer. Our Sacramento Post solicited candidates from a local chapter of MESA and local high schools, conducted interviews, and selected our top candidates based on GPA, extracurricular activities, and interest in engineering. We are proud to sponsor Bernard Watts who was recommended by our local MESA chapter for the Army Camp, Andrew Falwell of Sheldon High School who was selected for the Air Force Camp, and Nathan Ritter of Mariposa High School who was selected for the Navy Camp. All three of these great candidates have been accepted and will be attending the camps this summer - congratulations to Bernard, Andrew, and Nathan. The Sacramento Post will be providing support that covers 100% of the tuition and travel expenses for each candidate



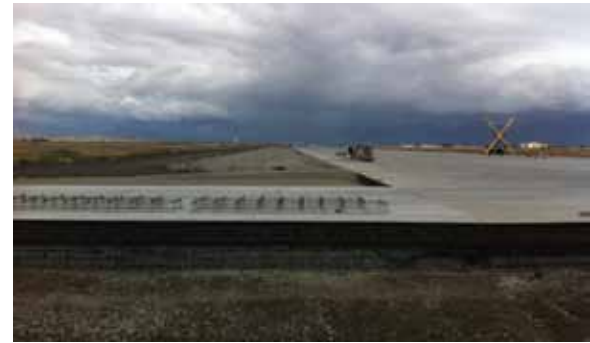
SAME EVENTS

Construction of Southwest Landing Zone Brings New Training Capability to Travis

by 2d Lt Brittany White, USAF

In August of 2006, 13 C-17s came to Travis permanently, making it the only base in the Air Force to operate three weapons systems at the same time. For the past five years now Travis has been able to provide to the Global War on Terror, the superior air refueling capability of the KC-10, the unmatched cargo capacity of the C-5 and the extreme versatility and durability of the C-17. The C-17 airframe is intended to provide both cargo airlift and medical evacuation. Its most important advantage is the short take off and landing distance it requires. Essentially the C-17 is capable of taking off and landing on "contingency" runways; those that are hastily constructed in war zones and disaster damaged areas where no permanent or fully operable airfields exist. In the United States these shortened runways are constructed for training purposes and are called landing zones. Landing zones are generally shorter and narrower than standard runways, they have minimal lit markings, and can be fully prepared or semi prepared (unpaved) to simulate a contingency environment. As part of receiving the C-17 mission at Travis, locations for C-17 pilots to complete their Landing Zone training was taken into consideration. The closest Air Force LZ is at McGuire AFB in New Jersey and the fuel for flying there to train is too cost prohibitive to be feasible in the long term. Building a Landing Zone on the west coast at Travis AFB then quickly became a top priority.

Fast forward to 2011 and a massive \$67 million dollar repair and construction project has been underway for the last two years to do both a full-depth replacement on one of two existing runways (11,000 ft) and to construct the new landing zone (4100 ft). The contract was awarded to Baldi Brothers out of Beaumont, CA. Baldi brothers built an on-site batch plant in order to expedite the construction process. Making the concrete on the construction site eliminated the need for trucks to haul the thousands of cubic yards of concrete that will be used to complete the project. Localizing the batch plant also enabled the single largest recycling project Travis has ever undertaken. Essentially 100% of the old runway will be used to create the new runway and landing zone. The existing concrete is crushed and then used either as a base course below the runway deck or as a very robust course aggregate in the actual concrete mix. For a construction project of this magnitude, progress continues to be steady. The site for the landing zone was previously a drainage area for the existing runways and in order to bring it up to a level grade had to be back filled anywhere from 4 to 9 feet. The fill material, approximately 200,000 CY, came from the new construction of a Lowes store in Fairfield. At its peak Travis AFB received over 300 two bed trucks per day to supply the material. The LZ lighting and markings are minimal to simulate a contingency environment but both halogen and infrared lightings is to be installed to train for both day and night time operations. Since the C-17s arrived at Travis in 2006 they have been making trips to a landing zone (operated by the Navy) at Moses Lake in Washington State for practice with short take-offs and landings. Executing LZ training at Travis is estimated to save \$1 to \$3 million dollars per year in fuel costs. Construction is set to be completed at this time next year.

*New airfield construction occurring at Travis AFB**On site batch plant used in the Landing zone and runway construction at Travis AFB*



SAME EVENTS

SAME Sacramento Post Supports MESA

The Sacramento Post of SAME provided \$5,000 to the Sacramento State/UC Davis MESA Center for 11 scholarships to senior high school students. The scholars who were chosen for the SAME scholarships are:

1. Amanda Ochoa (Arthur A. Benjamin Health Professions High School /SCUSD)
2. Connie Liu; Javier Zamora (Florin High School/EGUSD)
3. Pa Nhia Her; Choua Vue; Victoria Vue (Grant High School/TRUSD)
4. Vanessa Ortega; Minh Tran (Natomas High School/NUSD)
5. Yesenia Lopez; Laura Murguia; Vanessa Urrutia (Rio Linda High School/TRUSD)

The SAME scholarships were presented to the students at the 2011 Annual Awards, Honors and Recognition Program and was held at the Sacramento State University Union Ballroom on May 21, 2011.

PBSJ is now Atkins

The PBSJ Corporation and its subsidiary, PBS&J, joined Atkins (www.atkinsglobal.com/northamerica) on October 1, 2010, and now operate as a national business of Atkins in the United States. On April 1, 2011, PBS&J officially changed its name to Atkins. As Atkins, we will continue to provide exceptional service with the same level of technical excellence, quality, and timely responsiveness clients have come to expect. Atkins is one of the world's foremost engineering design consultancies, with a long-standing reputation for technical excellence in providing clients the most cost-effective and carbon-conscious solutions.

LEADERSHIP HIGHLIGHT

continued from page 1:

I also need to add a special thanks to our Post Officers who really make the post run. The gift of your time is irreplaceable, without them we really couldn't accomplish anything. I want to thank every one of you for your extremely hard work and commitment to our post.

The 2011 Water Conference, Managing California's Water - Solutions Through Outreach and Partnering will be our major event this year. Planning is nearly complete, just the final details remain. It is going to be great and I look forward to seeing you all there this 3-6 October here in Sacramento.

I would like to thank Lieutenant Colonel Andy Kiger for his outstanding leadership and dedication as the Post President for the last year. Finally, I want to thank every one of you for your extremely hard work and commitment to our post. I am committed to serving all of you and the post in accomplishing our objectives over the next year. And I know I can expect the same dedicated commitment from all of you. Thanks again.



MEMBERSHIP REPORT

David O. Cook, P.E., P.M.P
Principal, Cook Consulting
Sacramento Post Membership Chair & Elected Director

SAME Sacramento Post continued its growth during the last quarter. Dr. Vida Wright who served as the Membership Chair for the Sacramento Post from 2005 to present has relinquished her Post level responsibilities to focus on her new role as the SAME South-west Region Vice President. Sacramento Post membership roster as of June 6, 2011 as follows:

Individual Members: 214
Sustaining Member Representatives: 459
Total Members: 673
Sustaining Member Firms: 113

Sacramento Post Sustaining Member Firms are:

AECOM	FMJ Marketing
AGS, Inc.	Forsgren Associates, Inc.
Ahtna Engineering Services, LLC	Fugro West, Inc.
Ahtna Government Services Corp.	Genterra Consultants, Inc.
Allied Industries Inc.	Geocon Inc.
AMEC	GeoEngineers, Inc.
Andregg Geomatics	Gkkworks
ARCADIS	Hammel, Green, and Abrahamson, Inc.
Atkins	HDR
Ayres Associates	Hilliard Architects, Inc.
Battelle	HNTB
Bay West, Inc.	ICF International
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Blaine Tech Services, Inc.	Jacobs
Brown and Caldwell	JF Jones Company
Building Solutions Inc.	Jonas and Associates
Burleson Consulting Inc.	Kennedy/Jenks Consultants
Burns &McDonnell	Kiewit Federal Group
Cabrera Services, Inc.	Kleinfelder, Inc.
CAPE	Lionakis
Cardno Entrix	MACTEC Engineering and Consulting Inc.
Cardno TBE	Magnus Pacific Corporation
CDM	Marsh Creek LLC
CH2MHILL	Mead & Hunt, Inc.
Collins Engineers Inc.	MGE Engineering, Inc.
Conti Federal Services Inc.	Miyamoto International
David Evans & Associates Inc.	MWH
Dewberry	Ninyo & Moore
DI Aggregate Management LLC	Northgate Environmental Management, Inc.
Duro-Last Roofing Inc.	Parsons
ECC	Parsons Brinckerhoff
EM-Assist	PIKA International
EMCOR Services, Mesa Energy Systems Engineering/Remediation Resources Group	Psomas
Envirocon, Inc.	Ramsey North, Inc
Environmental Resources Management (ERM)	RBF Consulting
EOD Technology, Inc.	Robert Heinen Consulting Engineers
ERM	Rolf Jensen & Associates
ESA	Salaber Associates, Inc.
Flintco, Inc.	Sanders & Associates Geosteuctural



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For membership information, please contact Sacramento Post Membership Chair, David Cook at 530-677-5771 or e-mail at cook931@me.com.