



THE SOCIETY OF AMERICAN MILITARY ENGINEERS SACRAMENTO POST NEWSLETTER

www.samesacramento.org

Volume 2 Issue 3

Winter 2011

Upcoming Events:

23 February 2012

General Meeting at Travis AFB

Topic: Contingency Response Wing Mission

20 March 2012

Kings' Game against the Grizzlies. \$45 Lower Level. Contact Doug Berwick

22 March 2012

Folsom Spillway Field Trip. Attendance is limited. Contact Don Mariano

To be notified by email of upcoming SAME events and announcements, please send a request to info@samesacramento.org

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SAME Sacramento Post Hosts the 2011 California Water Conference

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

The 2011 California Water Conference was by all measures a success. Conference goals included providing value to our membership and service to our local community. Over 275 stakeholders including policy makers, design professionals, regulators, resource agency personnel, consultants, contractors, academics, and students attended the conference held October 3-6 at the DoubleTree Hotel in Sacramento. The conference was the third biannual conference hosted by the Sacramento Post addressing water resource management issues within California.



Plenary sessions featured presentations from senior leadership in water resource management.

Value for our membership included networking opportunities and professional development. General sessions and technical tracks included over 40 presentations of important information of interest to the water management community. Please let me highlight two of the presentations. A keynote speaker for the Tuesday general session was COL Mike Wehr, Commander of the USACE South Pacific Division. COL Wehr described that improving infrastructure is one of eight national priorities



for the USACE civil works program. Improvements to our water resource infrastructure in California are challenged by many constraints, including budgets. (No surprise that shrinking budgets was a continuing discussion point throughout the conference.) Strategies applied by USACE to overcome the many constraints include use of a systems approach, asset management evaluations, risk-informed decision making, and state-of-the-art technologies. Available

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budgets are stretched through collaboration and partnering. (Collaboration and partnering was the overall theme for the 2011 California Water Conference and testimonials to this concept were heard throughout the conference.) COL Wehr's examples of partnering included coordination of programs with SAFCA, BDCP, TNC, Floodsafe California, DWR, FEMA, California Levees Roundtable, and others.

Mr. Gary Bardini, Deputy Director of the California Department of Water Resources was a plenary session speaker on Wednesday morning. Mr. Bardini described how California's history of water supply development has driven the economic progress of our state. Past projects from which we benefit daily include the Los Angeles Aqueduct, Hetch Hetchy, Mokelumne Aqueduct, Colorado River Aqueduct, Central Valley Project, and the State Water Project. Today all these water projects are part of a statewide model allowing a Systemwide Investment Approach. This provides for a better evaluation of each proposed project to wring the most benefit for each dollar actually spent. The integrated approach allows for analysis, for example, of the effects of climate change on water storage, or the benefits of improved conveyance through the Delta. New initiatives are focused on efficient use of existing water supply, preservation of water quality, improved flood management, increased storage, and regional projects with multiple benefits.



COL Mike Wehr addressing the general session.



High school students from the MESA program interviewed attendees to gain insights into California's water management issues.

One of the pleasures of this year's conference was the opportunity to integrate students into the event. Two graduate students from UC Davis were granted scholarships to attend the conference. At the undergraduate level, members of the Sacramento Post student chapter from Sacramento State were provided with space for an exhibit. They chose to show off their entry of a functional water treatment system design using a list of everyday objects. This system was their entry to the ASCE Mid-Pacific engineering competition held at Sacramento State University. This team and their water treatment design received an award at the Mid-Pacific Conference and then competed at the National level. The enthusiasm of the student engineers was evident.

Forty-three high school students from the Sacramento area MESA program attended the conference on Tuesday morning and early afternoon. They had a teacher assignment to gather as much technical information as they could. The students attended the general session, poured through the exhibits, and listened to their choice of afternoon track sessions. Afterwards the students prepared essays on what they had learned. The essays were judged by a team from our Post with prizes of laptop computers awarded to the winners.

The SAME Sacramento Post 2011 Water conference was also a success in providing funds for use by the Post in support of important programs including Fisher House, Wounded Warrior Program,

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and our scholarship program. This is due in no small way to the generous sponsorship of the conference by the following firms which deserve further mention: AECOM, Kleinfelder, ARCADIS Malcom Pirnie, Magnus Pacific, The Louis Berger Group, HDR, Stantec, MWH, Genterra, SafeworkCM, and Martin Brothers Construction.

With the success of the 2011 conference the Sacramento Post is already looking ahead to a possible 2013 water conference. All members of the post are welcome to become involved.



(The author is an elected member of the Board of Directors of the SAME Sacramento Post and is the Owner of Cook Consulting (www.cookconsultingcp.com)).

SAME CSUS Student Chapter Report

by Brian Weddle

The Sacramento SAME Post is geared up to get involved on local college campuses this upcoming spring. It has its crosshairs set on raising awareness of SAME and increasing opportunities for both industry and students in the Sacramento area. Dr. Matthew Salveson, professor in the Sacramento State (CSUS) department of Civil Engineering, took initiative this last fall semester to get the Student Chapter at CSUS back up and running. Dr. Salveson recruited several Sacramento State students to help out. Brian Weddle volunteered to be the new President, Greg Gillenwaters is the Secretary, and Eric Holland is the Treasurer. The student chapter has attracted many students who are excited to get involved and learn more about modern engineering opportunities. They are on track to becoming an official club in the spring.

Dr. Salveson worked closely with Sacramento Post mentor, Retired COL Mike Conrad to host a Young Members Forum near the end of the fall 2011 semester. The meeting attendance was small, but the size of the event was huge when measured by the quality of speakers and individuals that were present. Speakers Liz Dia-

mond from Dokken Engineering and Mr. Andy Constantaras from the Army Corps of Engineers emphasized the importance for engineers to be well rounded individuals. Proficiency in math is only one prerequisite to many engineering careers today. Engineering students should be knowledgeable in project financing, business relations and environmental regulations. Projects today may take up to ten years from conception to completion and extra sensitivity must be shown towards with environmental impacts.

The Sacramento State student chapter is planning to host a kick off meeting at the beginning of the spring semester to provide an opportunity for students to be introduced to SAME. There are a lot of creative minds in the club who have come up with some really good ideas, and we're interested in getting involved in all ways possible. That means field trips, speaking events, volunteer work and internships. Please feel free to contact myself or Dr. Salveson if you are a student and are interested in joining the chapter or if you are working in the field of engineering and have an opportunity that will help our student chapter meet our goals.

Sacramento Post Presents Essay Contest Winner Awards at Sacramento State/UC Davis MESA Center Industry Awards Ceremony

By David Cook, P.E., PMP, Cook Consulting

The Sacramento Post essay contest for MESA attendees of the 2011 Water Conference was concluded on January 20 with the presentation of awards to the four winners. The presentations were made during the annual MESA awards event. Winning essays were judged in all areas including message, technical detail, effectiveness, and writing skills.

The Winners were:

1st Place: Madhuri Gujje

2nd Place: Katherine Chamorro

3rd Place: Aidan Butalla

4th Place: Shimran Devi.

Ms. Gujje prepared an essay titled "California Water Issues" and described how the Sacramento Area has the highest risk nationwide for flooding. Ms. Chamorro's essay, "Sacramento's Flood Risks", discusses the flood risks increasing from weakening flood control structures and weather changes. Mr. Butalla titled his essay

"Fixing Levees in the Natomas Basin and California" and described levee materials and construction changes in use. Ms Devi's essay "California Water in Crisis" discussed the impacts and solutions for large amounts of water reaching Sacramento all at once.

These four essays were separated by only 3% on average composite of the judges scoring. The award of a laptop computer was made to each of the four winners.

MESA chose this awards banquet to also present an award to the SAME Sacramento Post. The award reads "On behalf of the Sacramento State/UC Davis MESA Center—Thank You for the Continued Support in STEM Engineering Education and Programs." MESA (Math Engineering Science Achievement) is a program providing college preparation for STEM (science, technology, engineering, math) careers. The Sacramento Post has supported the local MESA center for many years. For further information on support to MESA, please contact Ms. Margie Namba, Director and Chair for K-12 Mentoring.

Post Receives Membership Streamer Award

By David Cook, P.E., PMP, Cook Consulting, Sacramento Post Membership Chair & Elected Director

The Sacramento Post has grown in membership during the 2011 Calendar year and will once again be recognized by SAME National with a membership streamer award. This is due in large part to the continuing support of our sustaining member firms, new firms who step forward to support our post and to those continuing and new individual members. The sustained

and increasing membership is a testimony to the value received by our members.

National will award the membership streamer to Posts that have a net positive growth in total membership (Sustaining Member representatives and Individual Members excluding students) and Public Sector Members. Each of

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Sacramento Post Membership Report

By David Cook, P.E., PMP, Cook Consulting, Sacramento Post Membership Chair & Elected Director

The Sacramento Post could not exist without the support of sustaining member firms. Our post currently has 107 sustaining member organizations and 405 individuals who are representatives (REP) of their firms. This REP membership is clearly the largest membership category. The Post sends a special thanks to those firms who are sustaining members of our post.

Sacramento Post membership roster as of February, 2012 was as follows:

Individual Members: 291

Sustaining Member Representatives: 405

Total Members: 696

Sustaining Member Firms: 107

See reverse for the current list of sustaining member firms.

New Post Sustaining Member Firm Representatives

Kevin Spala, CAPE

John Hicks, Nordic Industries Inc.

Paul Nguyen, Gannet Fleming, Inc.

Lisa Cope Micheletti, ARCADIS/Malcolm Pirnie

Ray Bertelsen, Nordic Industries Inc.

Ivan Gennis, Robert Heinen Consulting Engineers

Jens Karishoej, Nordic Industries Inc.

Calvin Barnhill, Nordic Industries Inc.

Todd Lemon, Nordic Industries Inc.

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

Post Receives Membership Streamer Award (cont.)

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these must increase by at least one member over the calendar year.

A public sector member is any individual employed by a Federal, State or Local Government Agency. Our public sector membership is currently 79 members. The Post will be working in 2012 to increase the public sector membership by providing additional value for public members. As an example, membership in SAME can be a

vehicle for public members who wish to provide additional service to the community.

Our membership today includes 75 students, increased from 22 student members at the start of 2011. The Sacramento Post is very happy to welcome student members through our scholarship program, student chapters, and summer camp activities. Undoubtedly some student members will go on to life long membership in SAME.

Sacramento Post Presents Our Sustaining Member Firms

The current list of sustaining member firms is:

AECOM	Genterra Consultants, Inc.	Shannon & Wilson, Inc.
Ahtna Government Services Corp.	Geocon Inc.	Site Work Solutions, Inc.
AMEC	Hammel, Green, and Abrahamson, Inc.	Soil Stabilization Products Company, Inc.
Andregg Geomatics	HDR	Spectrum Services Group, Inc.
ARCADIS/Malcom Pirnie	HNTB	Stanley Consultants Inc.
Atkins	Hydrogeologic, Inc.	Suulutaaq, Inc.
Ayres Associates	ICF International	Swinerton Builders Government Taber Consultants
Battelle	Innovative Technical Solutions Inc. (ITSI)	Teichert Construction
Bay West, Inc.	Jacobs	TerranearPMC, LLC
Black & Veatch Special Projects Corp	JF Jones Company	Terraphase Engineering Inc
Blackburn Consulting	Kennedy/Jenks Consultants	Tetra Tech, Inc.
Brown and Caldwell	Kiewit	The Dutra Group
Burleson Consulting Inc.	Kleinfelder	The Louis Berger Group, Inc.
Burns & McDonnell	Lionakis	The Shaw Group, Inc.
Cabrera Services, Inc.	MACTEC Engineering and Consulting Inc.	The Stahl Companies, Inc.
CAPE	Magnus Pacific Corporation	The Westmark Group
Cardno ENTRIX	Marsh Creek LLC	The Whiting Turner Contracting Company
Cardno TBE	Mead & Hunt, Inc.	Towill, Inc.
CDM	MGE Engineering, Inc.	Turn-Key Construction Services, Inc.
CH2MHILL	Michael Baker Corporation	U.S. Army Corps of Engineers - Sacramento District
Collins Engineers Inc.	Miyamoto International	URS Corporation
Conti Federal Services, Inc.	MWH	Versar
Dewberry	Ninyo & Moore	Vista Environmental Consulting, L.L.C.
DI Aggregate Management, LLC	Northgate Environmental Management, Inc.	WEST Consultants, Inc.
ECC	Parsons	Westervelt Ecological Services
Element Engineering	Parsons Brinckerhoff	Weston Solutions, Inc.
EM-Assist	PHA Inc Design-Build	Whitney-Stone, Inc.
EMCOR Services, Mesa Energy Systems	PIKA International	Wildlands, Inc.
Engineering/Remediation Resources Group (ERRG)	Prudent Technologies, Inc.	Winzler & Kelly
Envirocon, Inc.	Psomas	Wood Rodgers, Inc.
Environmental Resources Management (ERM)	Ramsey North, Inc	Woolpert, Inc.
EOD Technology Inc.	Robert Heinen Consulting Engineers	Yerba Buena Engineering & Construction Inc.
ESA	Rolf Jensen & Associates	
FMJ Marketing	Salaber Associates, Inc.	
Forsgren Associates, Inc.	Sanders & Associates Geotechnical Engineers, Inc.	
Fugro Consultants, Inc.	Science Applications International Corp.	

For any questions or comments about the newsletter, please call Nathan Rockwood at 916-971-3961 or email at nathan.rockwood@meadhunt.com



The Society of American Military Engineers



SAVE THE DATE

Monday, June 18th 2012

SAME Sacramento Post Scholarship Fund Annual Golf Tournament Returning to Granite Bay Golf Club!

The 2011 tournament was a huge success and we want to invite you to the 2012 tournament. Please mark your calendars and plan to join us for another fun-filled day at the Granite Bay Golf Club.

We are seeking support of corporate sponsors for our 2012 tournament. Participating firms will receive highly visible recognition for their contributions. Your participation in this winning combination allows us to contribute and encourage prospect students to pursue careers in the engineering and science fields. Mark your calendars and let's make this another record breaking event!

TOURNAMENT DETAILS

 **Monday, June 18th 2012**

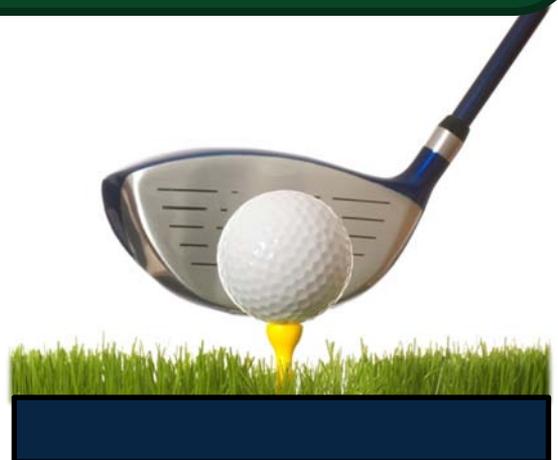
 **11:00am Shotgun Scramble**

 **Sign-in starts at 9:00am**

 **Granite Bay Golf Club**
9600 Golf Club Drive
Granite Bay, CA 95746
(916) 791-7578

 **Great Prizes**

 **Excellent Sponsorship opportunities: holes, on-course beverage tents, buffet, contests and prizes**



Fees Include: green fee, golf cart, range balls, box lunch, beverages on the course, and dinner. Mulligan, and raffle tickets will be available for sale during the day of the event.

For volunteer and sponsorship opportunities, please contact Babette Neal at (916) 729-8050, bneal@SAGEengineers.com