President's Message

by Oscar Serrano, P.E., President

This year, Engineers Week will be from February 20th to the 26th. Engineers Week is celebrated on the third full week of February and coincides with George Washington’s Birthday, as he was considered an engineer for his early surveying work. Happy Engineers Week everyone!

Maintain a Strong Workforce: I hope everyone had an opportunity to apply for the ASCE Sacramento Section Outstanding Project awards. The awards will be handed out at our annual Engineers Week Awards Banquet. This year the banquet will be held at the Holiday Inn in Downtown Sacramento on Wednesday, February 23rd. This will be a great opportunity to celebrate your accomplishments with your peers and co-workers. Even if your team didn’t win an award this year, the Banquet will be a great opportunity to cheer on your colleagues and their accomplishments. I hope to see you there.

Increase Member Involvement: Join us in celebrating Engineers Week. There will be several opportunities to participate in ASCE events during Engineers Week. The Capital Branch will be hosting their monthly luncheon, the Sacramento Section will hold their monthly Board of Directors meeting, and the Section will be hosting the annual Engineers Week Awards Banquet. All of these events will take place during Engineers Week!

Increase ASCE Legislative Presence: Did you know that California is one of the few states that does not require continuing education credits for engineers to renew their professional engineering license? Currently, 34 states require some form of continuing education credits. Last summer, a proposal was developed to change this. This proposal would require continuing education credits for engineers in California to renew their professional engineer’s license. A “Concept Paper for Legislation to Require Continuing Education for Re-licensing as a Professional Engineer” is available online for your review at http://www.asce.org/Content.aspx?id=2147489610.

The Capital Branch will be providing an opportunity to learn more about this proposal at their monthly luncheon on Tuesday, February 22nd.

Increase Interaction with Students and Younger Members:

Thank you to everyone that donated to the Alfred R. Golze Scholarship Fund. Through your generous donations scholarships will be awarded to outstanding ASCE student members in the Sacramento Section at the Engineers Week Awards Banquet. Join us and help us honor these outstanding future engineers.

Please let us know what you think: sacramentosectiongsd@ermail.asce.org

Thank you,
Oscar

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Engineers Day at the Mall

You are invited to join us in celebrating 2011 Engineers Week. “Engineers Day at the Mall” will be held at Sunrise Mall on Saturday, February 26, 2011. Fun free hands-on educational activities will be provided. Bring your families, friends, students and teachers; all are welcome to come.

For more information, please contact Joyce Copelan at 530-908-8372 cell or jcopelan95694@yahoo.com.

Is Your Membership Information Current?

by Fareed Pittalwala, Past-President

Please ensure that your membership information is up to date with ASCE’s national database, as our local system is dependent on your information being current. It’s a quick and easy fix that you can accomplish in less than five minutes by going to: http://tinyurl.com/yhl6pvd.
February 2011

The Engineerogram, P.O. Box 1492, Lincoln, CA 95648-1441
(916) 961-2723 (phone and fax) • e-mail: asce@asce-sacto.org • Web site: www.asce-sacto.org

The Engineerogram is the official publication of the Sacramento Section of the American Society of Civil Engineers and made available to ASCE members paying local dues to the Section. It is published regularly at the beginning of the month. To contribute articles, mail, fax, or e-mail to ASCE/Sacramento Section Executive Secretary, Vivian Mevorah, at asce@asce-sacto.org. Deadline for articles is on the 20th of the month prior to the issue.

Advertising Rates: Full Page $250 - A page is 7 1/2” x 9 1/2”
Half Page $130 - 1/2 page (either horizontal 7 1/2 x 4 3/4; or vertical 3 3/4 x 9 1/2)
Quarter Page $75 - 3 3/4 x 4 1/4
Professional Card $150 for a full year - 2 1/2 x 1 1/2 (reduced down from 2 x 3 1/2); OR
$175 for a full year for 2 x 3 1/2 size business card
Classified Ad in Newsletter or Website $50/100 words - no logo

(To our contributing writers: The Engineerogram reserves the right to make revisions, correct spelling and grammatical errors, to prioritize information and to summarize content. Articles may be shortened as editorial requirements dictate. Questions regarding this policy may be directed to the President of the Sacramento Section. Thank you for your understanding. Editors.)

For more ASCE activities if you wish to be active in a committee, career opportunities, complete text for the legislative activities, go to the Sacramento Section web site at www.asce-sacto.org, or contact a current officer. To MAKE CHANGES OR RENEW YOUR MEMBERSHIP, go to website: www.asce.org. For MEMBERSHIP APPLICATIONS, please e-mail to memapp@asce.org.

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**OFFICER CONTACTS**

<table>
<thead>
<tr>
<th>Office</th>
<th>Name</th>
<th>Phone or Contact Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>President</td>
<td>Oscar Serrano, P.E.</td>
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</tr>
<tr>
<td>President-Elect</td>
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<td>Junior Director</td>
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<td>916-567-2500</td>
</tr>
<tr>
<td>Treasurer</td>
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<td>530-227-7937</td>
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<tr>
<td>Past President 2009-2010</td>
<td>Larry J. Smith, P.E., F.ASCE</td>
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</tr>
<tr>
<td>Executive Director</td>
<td>Greg Zeiss</td>
<td></td>
</tr>
<tr>
<td>YMF Board Representative</td>
<td>Kevin Milton</td>
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<td>Younger Members Forum President</td>
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<td>916-375-8706</td>
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<tr>
<td>Region 9 Chair</td>
<td>Chuck Spinks, P.E.</td>
<td>916-797-3811</td>
</tr>
<tr>
<td>Region 9 Sacramento Section Governor</td>
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<td>916-928-1113</td>
</tr>
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<td>Executive Secretary</td>
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<td>916-961-2723</td>
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<tr>
<td>Engineerogram Editor</td>
<td>Vivian Mevorah</td>
<td>916-961-2723</td>
</tr>
<tr>
<td>Capital Branch President</td>
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<td>916-973-0356</td>
</tr>
<tr>
<td>Central Valley Branch President</td>
<td>Anthony Mazzei</td>
<td></td>
</tr>
<tr>
<td>Feather River Branch President</td>
<td>Amie McAllister, P.E.</td>
<td>530-879-6911</td>
</tr>
<tr>
<td>Shasta Branch President</td>
<td>Present status is Inactive</td>
<td></td>
</tr>
</tbody>
</table>

**INSTITUTES**

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<thead>
<tr>
<th>Institution</th>
<th>President/Chair</th>
<th>Phone or Contact Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coasts, Oceans Ports &amp; Rivers Institute</td>
<td>Zia Zafir, P.E.</td>
<td>530-366-1701</td>
</tr>
<tr>
<td>Construction Institute</td>
<td>Larry J. Smith, P.E., F.ASCE</td>
<td>916-261-1545</td>
</tr>
<tr>
<td>Environmental &amp; Water Resources Institute</td>
<td>Pal Hegedus, P.E., D.WRE</td>
<td>916-928-5177</td>
</tr>
<tr>
<td>Geo-Institute</td>
<td>Matt Moyneur, P.E.</td>
<td>916-372-1434</td>
</tr>
<tr>
<td>Structural Engineering Institute</td>
<td>Joyce Copelan, P.E., MS</td>
<td>530-908-8372</td>
</tr>
<tr>
<td>Transportation &amp; Development Institute</td>
<td>Nader Tamannaie</td>
<td>916-448-1980</td>
</tr>
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</table>

**STANDING COMMITTEE CHAIRS**

<table>
<thead>
<tr>
<th>Committee</th>
<th>Chair</th>
<th>Phone or Contact Information</th>
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</thead>
<tbody>
<tr>
<td>College Accreditation</td>
<td>Joan Al-Kazily, Ph.D., P.E., M.ASCE</td>
<td>530-756-9530</td>
</tr>
<tr>
<td>Disaster Preparedness</td>
<td>Howard Zabel, P.E.</td>
<td>530-622-7493</td>
</tr>
<tr>
<td>Education &amp; Awards</td>
<td>Thor Larsen, P.E.</td>
<td>916-973-0356</td>
</tr>
<tr>
<td>Government Relations</td>
<td>Craig Copelan, P.E.</td>
<td>530-908-4790</td>
</tr>
<tr>
<td>History &amp; Heritage</td>
<td>-</td>
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<tr>
<td>Membership-Life Members</td>
<td>Ray Zelinski, P.E.</td>
<td>-</td>
</tr>
<tr>
<td>Scholarship</td>
<td>Eric Polson, P.E.</td>
<td>916-801-6290</td>
</tr>
<tr>
<td>Sustainability</td>
<td>Robert Roscoe, P.E.</td>
<td>916-679-3994</td>
</tr>
<tr>
<td>Publications</td>
<td>Martin A. Farber, P.E., D.WRE</td>
<td>707-253-9606</td>
</tr>
</tbody>
</table>

**UNIVERSITIES**

<table>
<thead>
<tr>
<th>Institution</th>
<th>President</th>
<th>Phone or Contact Information</th>
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</thead>
<tbody>
<tr>
<td>California State University, Chico</td>
<td>Samantha Moose, President</td>
<td>530-898-4436</td>
</tr>
<tr>
<td>California State University, Sacramento</td>
<td>Jesse Ogren, President</td>
<td>-</td>
</tr>
<tr>
<td>University of the Pacific</td>
<td>Caroline Grant, President</td>
<td>-</td>
</tr>
<tr>
<td>University of California, Davis</td>
<td>Karan Singh and Neil Hanan</td>
<td>Co- Presidents</td>
</tr>
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</table>
### MASTER CALENDAR

#### February 2011

<table>
<thead>
<tr>
<th>Date(s) (Times)</th>
<th>Event</th>
<th>Location</th>
<th>Information</th>
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<tbody>
<tr>
<td>Wednesday, 2nd 6:00 pm</td>
<td>Central Valley Branch Meeting, Page 3</td>
<td>Marie Calendar's, 2628 W. March Lane, Stockton</td>
<td>Anthony Mazzei, <a href="mailto:amazzei@condorearth.com">amazzei@condorearth.com</a></td>
</tr>
<tr>
<td>Wednesday, 2nd 5:30 pm</td>
<td>Feather River Branch Meeting, Page 3, 5</td>
<td>Tortilla Flats Restaurant (530-345-6053), 2601 Esplanade in Chico</td>
<td>Amie McAllister – 530.228.6003; <a href="mailto:amie.steel@gmail.com">amie.steel@gmail.com</a></td>
</tr>
<tr>
<td>Saturday, 5th</td>
<td>Get Moving!! Six Session Series, Page 9</td>
<td>Woodland Girl Scout Cabin, 430 Grand Ave., Woodland (between Main St. and Lincoln Ave. and one block east of West St.)</td>
<td>Randi Hines: <a href="mailto:hinesran@gmail.com">hinesran@gmail.com</a></td>
</tr>
<tr>
<td>Wednesday, 9th 6:30 pm</td>
<td>Résumé Workshop, Page 12</td>
<td>Chico State (room to be determined)</td>
<td><a href="http://www.sacymf.org">www.sacymf.org</a></td>
</tr>
<tr>
<td>Tuesday, 15th</td>
<td>Sacramento Chapter of EWRI Hosting the Second Annual Symposium, Page 8</td>
<td>Hyatt Regency, Downtown Sacramento, CA</td>
<td>Pal Hegedus (916) 928-5177 <a href="mailto:phegedus@rbf.com">phegedus@rbf.com</a></td>
</tr>
<tr>
<td>Wednesday, 16th 6:30 pm</td>
<td>Sacramento Valley Professional Chapter of Engineers Without Borders Meeting</td>
<td>The Fox and Goose, 1001 &quot;R&quot; Street, Sacramento</td>
<td>Mark Quito, 916-567-2500 <a href="mailto:quito@pbworld.com">quito@pbworld.com</a></td>
</tr>
<tr>
<td>Tuesday, 22nd 6:00 pm</td>
<td>Sacramento Section Board Meeting</td>
<td>RBF Consulting, 4540 Duckhorn Dr., Suite 202, Sacramento, CA 95834</td>
<td>Fareed Pittalwala, 916-928-1113</td>
</tr>
<tr>
<td>Tuesday, 22nd</td>
<td>Capital Branch Meeting, Page 3 - 4</td>
<td>Radisson Hotel - Hwy 160 at Cal Expo, Sacramento, CA</td>
<td>Thor Larsen, 916-973-0356 <a href="mailto:thor.larsen@edcgov.us">thor.larsen@edcgov.us</a></td>
</tr>
<tr>
<td>Wednesday, 23rd 5:30 pm</td>
<td>Engineers Week Awards Banquet Page 14</td>
<td>Holiday Inn in Downtown Sacramento</td>
<td>Greg Young, <a href="mailto:gregy@quincyeng.com">gregy@quincyeng.com</a></td>
</tr>
<tr>
<td>Saturday, 26th</td>
<td>Engineers Day at the Mall, Page 1</td>
<td>Sunrise Mall</td>
<td>Joyce Copelan at 530-908-8372 cell, or <a href="mailto:jcopelan95694@yahoo.com">jcopelan95694@yahoo.com</a></td>
</tr>
</tbody>
</table>

| March |
|----------------|-------|----------|-------------|
| Wednesday, 2nd 6 - 8 pm | YMF Bowling Social, Page 12 | Bowling at Capitol Bowl (900 West Capitol Avenue, West Sacramento, CA 95691) | Lori Campbell, Administrator, lkconsulting@sbcglobal.net or 916-965-1536 |
| Wednesday, 9th | Fifth Annual ASCE Region 9 California Infrastructure Symposium and Awards Dinner, Pages 10 - 11 | Sacramento | Lori Campbell, Administrator, lkconsulting@sbcglobal.net or 916-965-1536 |
| Wednesday, 16th | Feather River Branch Luncheon Meeting, Page 5 | Yuba City | Amie McAllister – 530.228.6003; amie.steel@gmail.com |

<table>
<thead>
<tr>
<th>Conferences</th>
<th>Section Officer Meetings</th>
<th>Seminars</th>
<th>YMF Events</th>
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<tr>
<td>Section Meetings</td>
<td>Region 9 Events</td>
<td>Outreach Events</td>
<td>Student Events</td>
</tr>
</tbody>
</table>

## Feather River Branch Meeting

If you have suggestions or recommendations for a meeting topic or location, please contact Amie McAllister at amie.steel@gmail.com or Shane Cummings at sdcummings@handk.net. We are looking to increase our membership participation in our monthly meetings and regular community outreach activities, so please drop us some suggestions.

## Central Valley Branch Meeting

For more information about the Central Valley Branch meetings, please contact Anthony Mazzei at amazzei@condorearth.com.

## Shasta Branch

The Sacramento Section is currently looking for volunteers who would like to take a leadership position within ASCE and re-invigorate the Shasta Branch. For more information, contact Section President Oscar Serrano at oserrano@colusa-nsn.gov or Region 9 Governor Fareed Pittalwala at fpittalwala@rbf.com.

## Capital Branch

Please see Page 9 of this issue for meeting information. For more information about the Capital Branch meetings, please contact Thor Larsen at thor.larsen@edcgov.us, 916-973-0356.
Proposed Continuing Education Requirements for Professional Engineers in California

Please come join your fellow Capital Branch members and attend this very interesting topic in which Continuing Education may become a requirement to retain your professional license in California.

Recently, ASCE Region 9 Board of Governors has been debating the merits of requiring continuing education for relicensing for civil engineering professionals. Some believe the idea has value and merit, and there are some with a voice of opposition to this concept throughout our civil engineering community. Come join in this discussion and debate.

Joan Al-Kazily, past Region 9 Governor and Chair of the Continuing Education Committee, and Pat Tami, Board Member of the California Board for Professional Engineers, Land Surveyors and geologists will discuss the proposed legislation and the points/counterpoints.

The meeting will be a town hall format, with ample opportunity for discussion, debate, and voicing of opinions. The meeting will be moderated by Fareed Pittalwala, Sacramento Section Past President and currently the Region 9 Governor for Sacramento Section.

Speaker Bios:

Joan Al-Kazily:
Ph.D., P.E., received her bachelor’s and master’s degrees in civil engineering from the University of Liverpool and her doctorate in civil engineering, specializing in transportation, from the University of California, Berkeley. Before retiring in 2002 she was chair of the civil engineering department at California State University, Sacramento (CSUS) where she also taught transportation and economic engineering courses, completed research projects for state and local agencies, and developed a graduate program in transportation engineering. Prior to her career in academia, Al-Kazily worked on the design of sewage disposal systems and irrigation and drainage facilities in England and Iraq, and rapid transit facilities in California. An active ASCE member, Al-Kazily was faculty advisor of the student chapter at CSUS for eight years. She served as both vice president and president of the Sacramento Section’s Capital Branch, and was a member of the Section’s Education and 150th Anniversary committees. She is a recent governor of Region 9 of ASCE.

Patrick Tami:
For over 30 years, Patrick Tami has been involved in all aspects of the land surveying profession. He is currently Vice President and Manager of the Surveying and Mapping Department in the Sacramento office of RBF Consulting. Since 1990, he has been active as an instructor for practical, technical and legal issues related to surveying and mapping. He is currently the Land Surveyor Member and a Past President (2008-09) of the California Board for Professional Engineers, Land Surveyors and Geologists (PELSG). He has served as the Western Zone Vice President of the National Council of Examiners for Engineering and Surveying (NCEES).

For registration, please go to www.eventbrite.com/feb22ascelunch or http://feb22ascelunch.eventbrite.com

Hope to see many of you there!
The following are upcoming Feather River Branch meetings and events. The meetings are open to all civil engineers, architects, geologists, and anyone interested in learning more about the subject matter scheduled to be discussed. As always, contact one of the officers listed at the bottom of the page for ideas or suggestions on future events.

February 2, 2011, Wednesday at 6:00 pm (social hour) and 7:00 pm (order dinner and meeting)
Rich Hawkins, Director of Solar Sales at Chico Electric
Mr. Hawkins will discuss current and past large solar projects for Chico Electric. Chico Electric, a Northern California based Electrical Contractor since 1960, is a recognized leader in Photovoltaic (PV) Solar Systems planning, engineering, and installation. The company has implemented PV Solar for customers in agriculture, food processing, manufacturing, and education. Installations include industry leading projects such as Sierra Nevada Brewery, one of the largest roof-top PV Solar installations in the nation. The presentation will focus on the implementation of large photovoltaic solar projects. Solar power generation, design processes, installation activities, and financial incentives/benefits will be presented and discussed.

Location – Tortilla Flats Restaurant (530-345-6053), 2601 Esplanade in Chico
Dinner cost is $15/person. Student Discount Rate is FREE! (Additional cost for alcoholic beverage)

Tentative Upcoming Meetings:
March 16th – Lunch meeting in Yuba City with Martin Roche presenting his experiences with FEMA and the massive Nashville flood in May of 2010
April – Evening Lifetime Member Ceremony and Dinner

2010-2011 Branch Officers:
President, Amie McAllister – 530.228.6003; amie.steel@gmail.com
President-Elect, VACANT
Secretary, Tammie Watkins – 530.893.4640; tammie_watkins@URSCorp.com
Treasurer, Radley Ott – rott@townofparadise.com

Alfred R. Golze Scholarship Fund
by Eric Polson, PE, Chair
A. R. Golze Scholarship Trustees

The Sacramento Section Alfred R. Golze Scholarship Trustees request donations for the 2011 Golze Scholarships.

Your generous donations will help ensure that significant scholarships will be awarded to Civil Engineering Students at CSU, Chico; CSU, Sacramento; UC Davis; and the University of the Pacific.

In light of the ever increasing costs of education and the recent cuts in state and federally funding, the need to help deserving students is greater than ever. Last year nine Golze Scholarships were awarded for a total of $8,500. The goal for 2011 is to award over $10,000 in Golze Scholarships.

The donation categories are: Bronze Sponsor - $25.00 to $49.00; Silver Sponsor - $50.00 to $99.00; Gold Sponsor - $100.00 to $499.00; Platinum Sponsor - $500.00 to $999.00; and Patron - $1,000 and above.

The Golze Scholarships will be awarded at the Engineers Week awards banquet in February, 2011. All donors will be recognized by name and category in the upcoming Engineerogram, and in the 2011 Awards Banquet program. All donations are fully tax deductible.

Please send your generous donations to:
ASCE, Sacramento Section
ATTN: Eric Polson
P.O. Box 1492
Lincoln, CA 95648

Please make your check payable to: ASCE, Sacramento Section and note on the check “for Al Golze Scholarship.” If you would like more information, please feel free to contact the ASCE, Sacramento Section Office at (916) 961-2723.
Francis N. Hveem—1898 - 1990

Francis N. Hveem was born in La Moine, Shasta County, and received his early schooling at the nearby community of Delta. He started his career in 1917 as a draftsman for the Division of Highways in Dunsmuir. After serving as Assistant Resident Engineer, then Resident Engineer, and Maintenance Superintendent, Hveem joined the staff of the Materials and Research Department in 1929. There he progressed through positions of increasing responsibility to Supervising Materials and Research Engineer. Appointed Construction Engineer in 1950, Hveem soon afterward was promoted to Materials and Research Engineer in 1951, and served in that position until his retirement in 1963.

Testing equipment, procedures, and design theories developed by him and under his supervision have been accepted and used throughout the United States and many foreign countries and, in turn, engineers from abroad have come to the United States to study his methods. Some of the better known devices and test methods he developed are the stabilometer, the cohesiometer, sand equivalent apparatus, and profilograph. The series of barrier crash tests using remote controlled vehicles and anthropometric dummies which he promoted and directed has furnished valuable highway design and safety information now being used by other highway departments throughout the United States. His formulas for the design of asphalt pavement are also recognized as one of his outstanding contributions to the highway science field.

Much in demand as a consultant, Hveem traveled through much of the United States and abroad, accepting invitations from national highway departments in Argentina, Brazil, Mexico and Egypt. He authored more than 40 technical papers.

Among Hveem’s honors are the Highway Research Board’s award for the paper of outstanding merit in 1949 and the Roy W. Crum Award for distinguished service in 1956. The University of California has awarded him an honorary membership in the university’s chapter of Chi Epsilon, civil engineering honor society. In 1964 Hveem won the W. J. Emmons Award of the Association of Asphalt Paving Technologists. The award was for the best paper presented at the 1963 meeting which was held in San Francisco. He was the recipient of two awards from the Transportation Research Board of the National Academy of Science, and held honorary membership in the Association of Asphalt Paving Technologists—being only one of five so elected since the founding of the group in 1932. He was a member of 12 national technical committees when he retired in 1963. Hveem was President of Sacramento Section in 1956. Sources: California Highways and Public Works, Sacramento Book Collectors Club. The Sacramento Bee

The Law and Civil Engineering

by Eugene L. Bass, Esq.

Bid Documents Must Include
all Information Material to Bidders

A contractor was engaged by a School District to correct the work of a previous defaulting contractor and to complete the project. The District provided prospective bidders for the correction and completion project with copies of the original plans and specifications and also with a 108 page “current correction list” which cataloged the work by the previous contractor that the District’s inspectors found to be defective, incomplete or missing. Although the current correction list appeared to refer only to defects visible by simple inspection, it included language indicating the District also intended to make the contractor responsible for unlisted defects in the existing work as well. After receiving the plans, specifications and “current correction list”, and conducting a site inspection, the contractor submitted a proposal to do the work on a time and materials basis, stating a “guaranteed maximum price”. That bid was accepted and contract for the work recited that the contractor agreed to “correct deficiencies in the work performed by the former contractor, without limitation, as noted on the current correction list issued by the District.

Shortly after beginning work, the contractor informed the District it had significantly underestimated the cost of the remedial work, explaining that the existing work had deficiencies that had not been noted on the current correction list and could not have been detected by simple observation. The contractor contended that the District had breached the contract by misrepresenting and concealing material facts and conditions, and that the District had breached an express or implied warranty that the plans and specifications it provided were complete and accurately depicted the work required to complete the project. Specifically, the contractor alleged that the District had failed to disclose the full nature and extent of the defects in the existing construction, and had failed to

Continued on Page 7
disclose information that would have put the contractor on notice that some of its assumptions about the scope of the work required were faulty. The contractor asserted the District had failed to disclose a consultant’s report that would have alerted the contractor to the defects in the existing construction and further asserted that the District was aware the contractor’s intended method for curing some defects would not be effective.

A lawsuit was filed and the case finally made it’s way to the California Supreme Court. The final holding of the Court was that a contractor on a public works contract may be entitled to relief for a public entity’s nondisclosure where: (1) the contractor submitted its bid or undertook to perform without material information that affected performance costs; (2) the public entity was in possession of the information and was aware the contractor had no knowledge of, nor any reason to obtain, such information; (3) any contract specifications or other information furnished by the public entity to the contractor misled the contractor or did not put it on notice to inquire; and (4) the public entity failed to provide the relevant information.

The public entity may not be held liable for failing to disclose information a reasonable contractor in like circumstances would or should have discovered on its own, but may be found liable when the totality of the circumstances is such that the public entity knows, or has reason to know, a responsible contractor acting diligently would be unlikely to discover the condition that materially increased the cost of performance.

Engineers who do work for public entities should be aware that they must be especially diligent to provide any and all information that may be material to bidders in formulating their bids. They should also be aware and prepared that public entities may seek to have the design professional and/or project manager indemnify and defend the public entity with respect to any and all contractor claims for additional compensation that are the result of the failure to disclose information known by the design professional and/or project manager.

The author’s discussion of legal ramifications of the particular case(s) are provided only for educational purposes and should not be relied on as legal advice. If you have a specific legal problem, please consult with your attorney.

ASCE Region 9 Update

It’s Time to Celebrate Engineering!
by Richard Haller, P.E., M.ASCE, Vice Chair
Region 9 Board of Governors • rhaller@sawpa.org

February is an exceptionally exciting time to be a civil engineer as we celebrate Engineers Week February 20th through 26th! Engineers Week is organized each year by the National Engineers Week Foundation to cultivate and celebrate the engineering profession and reach out to current and future generations of engineering talent. The Foundation offers information and celebration ideas at their website, www.eweek.org. Suggestions include outreach to K through 12 students, introducing girls/minorities to engineering, presenting awards and recognition, and inclusion of your family in the celebration. I would like to challenge each of you to be a part of the excitement by doing something out of the ordinary to promote civil engineering. Participation could be through a Section or Branch organized activity or simply by telling your neighbors or your children’s classmates about civil engineering. I personally have found presentations to 5th grade students to be particularly rewarding; they ask the best questions. ASCE has numerous tools to make your activity simple, including easy-to-read, informative brochures and hands-on activity books. In addition, ASCE has created a fantastic website, www.ASCEville.org with great information and links to interactive problems suitable for all ages. My ten-year-old son gives it a solid endorsement. I would encourage all of you to visit the website and promote its use by students. Up to the challenge? I would be interested in learning about your E-Week activities!

Region 9, comprised of the four Sections in California, will conduct an Infrastructure Symposium and Awards Banquet March 9th to promote engineering. The Symposium will present the latest information on statewide water and transportation issues. The Awards Banquet will honor the best projects and individuals in the state, representing the best of the Section award winners. This event will be held in conjunction with a Legislative Day, during which each of the over 100 state legislative offices will be visited and provided with information on our state’s infrastructure. For more information go to www.asce.org/region9/.

Happy Engineers Week!
California legislators and water managers all recognize the need for a sustainable water supply that balances the needs for ecosystem preservation, water quality and environmental protection. Ensuring a sustainable water supply requires integration of all aspects of water management (such as supply, land use, air, environment, habitat and storage) in order to achieve equilibrium of California water needs and demands. Adaptive management or reactive management is the current water management approach used in California to manage a multi-faceted, fragmented, rigid, complex system of organizational, political, social, economic, environmental, ecological, structural, topographic, meteorologic, and hydrologic and hydraulic conditions, constraints and requirements that must be fully considered in order to achieve equilibrium within the state’s water system. This symposium explores a different management approach – the use of dynamic balancing to ensure the resiliency of water management throughout the state.

This one-day symposium will consist of a presentation on the dynamic balancing concept followed by two panels that will explore how dynamic balancing could influence water management in California. The morning panel will feature a panel of Delta experts that will use the Delta as a case study to discuss how dynamic balancing could have helped avert the cessation of water deliveries. The afternoon panel will consist of regulatory and agency experts to discuss what changes may be needed to federal, state and local agencies to implement a dynamic balancing management approach. Members of the audience will be encouraged to engage the panel members with questions, provide suggestions or contribute other perspectives on the issue.

The objective of the symposium is for the Sacramento Chapter of EWRI to develop a White Paper that presents the key ideas and recommendations set forth by the diverse and distinguished panel members and participants that attended the symposium. The White Paper will be provided to the Governor and other public officials that have influence on water management in California.
Structural Engineers Express Concern with New LEED Draft

by Leikny Johnson, ASCE Media Contact
ljohnson@asce.org • 703-295-6413

Public Comments Submitted to USGBC by ASCE’s Structural Engineering Institute Sustainability Committee

Reston, Va.—In public comments submitted to the U.S. Green Building Council (USGBC), the Sustainability Committee of the American Society of Civil Engineers’ (ASCE) Structural Engineering Institute (SEI) expressed serious concern with changes related to the use of structural materials in the new Leadership in Energy and Environmental Design (LEED) 2012 rating system draft.

“We in the structural engineering community were taken aback to see structural materials eliminated from the draft LEED credits for Regional Materials, Recycled Content Materials, and Bio-Based Materials,” said Mark Webster of Simpson Gumpertz & Heger Inc., chair of the committee’s working group on the new LEED draft. “Structural materials carry significant environmental impacts and LEED needs to provide incentives to reduce those impacts.”

As design professionals continue to realize the impact that structural engineers can have on sustainable design— as well as the impact that sustainability codes and standards such as LEED can have on engineering practice—the group noted that such changes in the LEED rating system may ultimately affect the practice of structural engineering by reducing the engineer’s incentive to work toward integrated, sustainable design solutions.

A full summary of the consensus comments from the ASCE SEI Sustainability Committee can be found on their Web site, at: http://www.seisustainability.org/committee-news/important-news. Information on SEI’s Sustainability Guidelines for the Structural Engineer publication can also be found at: http://www.seisustainability.org/resources/publications/#TOC-Sustainability-Guidelines-for-the-S.

The latest draft of LEED is available for free download from USGBC at: http://www.usgbc.org/DisplayPage.aspx?CMSPageID=2360. Interested parties may submit comments on the proposed rating system changes at the USGBC’s website until January 14.

Founded in 1852, the American Society of Civil Engineers represents more than 140,000 civil engineers worldwide and is America’s oldest national engineering society. For more information, visit www.asce.org.

The Structural Engineering Institute of the American Society of Civil Engineers was founded in 1996 and currently has more than 20,000 members.

The institute’s mission is to advance and serve the structural engineering profession.

The mission of the Structural Engineering Institute’s Committee on Sustainability is to advance the understanding of sustainability in the structural community and to incorporate concepts of sustainability into structural engineering standards and practices. Consisting of 41 members, the committee has six active working groups through which it continues to advance its directive.

Media contact: Leikny Johnson, 703-295-6413,
ljohnson@asce.org

Get Moving! Six Session Series

by Randi Hines, Chair
YMF Student Outreach

Hi,

The Girl Scouts of America – Woodland Chapter are out to Get Moving! on earning a couple of badges, and they’re asking YMF members for help! Get Moving! is a Six Session Series on Energy Consumption Awareness and Green Energy Alternatives. The Woodland Girl Scout Coordinators, Patti Reissenweber and Karin Mack, are asking for volunteers from the engineering community to lend a hand in helping their troop become familiar with everyday engineering.

GET MOVING! Six Session Series

Dates: 1st and 3rd Saturday of the month starting on February 5th, 2011
Time: 9:30-11:00 AM
Where: Woodland Girl Scout Cabin, 430 Grand Ave., Woodland (between Main St. and Lincoln Ave. and one block east of West St.)

Saturday, February 5th – Session 1: What is Energy – 2 Types of Energy: Kinetic & Potential
Saturday, February 19th – Session 2: Going Green – Recycling
Saturday, March 5th – Session 3: Animals and Energy
March 19th – Session 4: Investigate: How are we going “green”?
April 2nd – Session 5 & 6: Audit a Building

Goals: to reach Two out of three awards:
Energize - What is Your Personal Energy
Investigate - Investigate energy elsewhere & make recommendations for more efficient use of that energy

You may sign up to attend one or all six sessions. To sign up, please RSVP to Randi Hines: hinesran@gmail.com, by Thursday, January 27th. Please RSVP by Thursday, January 27th for Session 1. If you’d like to attend any of the other sessions, Session 2 thru Session 6, but need more time to check your schedule, please RSVP by Thursday, February 17th. Your attendance is greatly appreciated. If you have any questions, please contact Randi Hines: hinesran@gmail.com.

Thank you in advance.

Randi Hines
Student Outreach Chair
YMF ASCE – Sacramento
hinesran@gmail.com
Overview

The American Society of Civil Engineers (ASCE) realizes that critical infrastructure systems are facilities and assets so vital that their destruction or incapacitation would disrupt the security, economy, safety, health, or welfare of the public. One of ASCE's top priorities is to raise the grades on California’s infrastructure.

This Symposium will address such topics as roads and highways, bridges, high speed rail, water supply, and flood control. The speakers will give you the most current information on Federal and State priorities, alternate modes of funding, the stimulus plan, gas tax restructuring, and more. There will also be discussion of National and Statewide Report Cards which will identify and bring attention for infrastructure support and renewal in California.

Schedule

8:00 a.m. to 9:00 a.m.       Registration and Continental Breakfast
9:00 a.m. to 12:15 p.m.     Infrastructure Symposium Program
12:15 p.m. to 1:15 p.m.     Lunch
1:30 p.m. to 5:00 p.m.      Infrastructure Symposium Program

Following the Infrastructure Symposium, you may also register for an evening to celebrate excellence in California Civil Engineering projects and honor the outstanding accomplishments of individuals at the 2010 ASCE Region 9 Awards Dinner.

6:00 p.m. to 7:00 p.m.      ASCE Region 9 Awards Registration & No Host Cocktails
7:00 p.m. to 9:30 p.m.      ASCE Region 9 Awards Dinner

For additional information or questions visit  www.asce.org/region9

Contacts:
Lori Campbell, Administrator, lkc.consulting@sbcglobal.net, 916.965.1536
Infrastructure Symposium: Shahnawaz Ahmad, Chair, sahammad@saassociates.net, 626.821.3456
Awards: Kathy Haynes, Chair, KathyHaynes@KennedyJenks.com, 858.676.7509
### Infrastructure Symposium and Awards Dinner

**Hyatt Regency . 1209 L Street . Sacramento**

**Hyatt Reservation Deadline February 23, 2011, call 800.233.1234**

## REGISTRATION

**ASCE Region 9 Registration Deadline March 1, 2011**

To register online, please go to [www.asce.org/region9](http://www.asce.org/region9) and click on the Infrastructure Symposium and Awards Dinner link, or return this completed form with payment to ASCE Region 9, P.O. Box 2575, Fair Oaks, CA 95628, 916.965.1536, FAX 916.965.6234.

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**Award Received:** ___________________________________________________________

### California Infrastructure Symposium Registration

(Includes Continental Breakfast, Lunch, and Breaks)

- **ASCE Member (Member # __________) . . . . . . . . . x $ 150.00 = $___________**
- **Non–ASCE Member . . . . . . . . . . . . . . . . . . . . . . . . . . x $ 195.00 = $___________**
- **ASCE Student Member (Member # _________) . . . . . . . . x $ 30.00 = $___________**
- **On Site Registration (Member/Non-Member) . . . . . . . . . x $ 225.00 = $___________**

**Total Registration Fee – Infrastructure Symposium . . . . . . . . . . . . . . . . . . = $___________**

### Awards Dinner Registration

- **ASCE Member (Member # __________) . . . . . . . . . x $ 85.00 = $___________**
- **Non–ASCE Member . . . . . . . . . . . . . . . . . . . . . . . . . . x $100.00 = $___________**
- **ASCE Student Member (Member # _________) . . . . . . . . x $ 30.00 = $___________**
- **Table – Seats 10 . . . . . . . . . . . . . . . . . . . . . . . . . . . x $ 850.00 = $___________**
- **Awards Dinner Sponsorship . . . . . . . . . . . . . . . . . . . . . x $ ______ = $___________**
  - **Platinum** $1,000  ○ **Gold** $750  ○ **Silver** $500  ○ **Bronze** $250  ○ **Student** $150  ○ **Raffle** $100

**Dinner Choice(s):**
- [ ] Slow Roasted Beef Short Ribs
- [ ] Herb Roasted Chicken Breast
- [ ] Vegetarian

- **I regret that I will not be able to attend the Awards Dinner**

**Total Registration Fee – Awards Dinner . . . . . . . . . . . . . . . . . . = $___________**

**Total Registration Fee . . . . . . . . . . . . . . . . . . . . . . . . = $___________**

- [ ] Check Enclosed
- [ ] Online

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**Overnight Accommodations**

A group room rate has been arranged at the Hyatt Regency Sacramento. Room rates are $179.00 plus applicable taxes and fees.

Reservations may be made by calling 1.800.233.1234.

Reservations must be received by the cut-off date of **Wednesday, February 23, 2011**. Thereafter, reservations will be taken on a space and rate availability basis. Be sure mention you are with the American Society of Civil Engineers (ASCE).

**ASCE Region 9 Legislative Day**

Please note that the ASCE Region 9 Legislative Day will be held on **Tuesday, March 8, 2011** at the California State Capital in Sacramento.

For further information, contact Delores Ventura, Chair, at dventura@iecorporation.com, 858.413.2400, Extension 270.
FEBRUARY MIXER!
Join us for the YMF Mixer on Wednesday, February 2, 2011! The Mixer will start with an opportunity to catch up with members, old and new, during the social hour starting at 5:30. Following the social hour, you will have an opportunity to listen in on a technical presentation by James Pope, General Manager of Northern California Power Agency. Connect with your fellow YMF members during this Mixer! The mixer will be held at Luigi’s Slice in downtown Sacramento. Don’t miss it!

YMF BOWLING SOCIAL
The ever-popular annual Bowling social will be held again this year on Wednesday, March 2nd from 6 to 8 pm at Capitol Bowl. Once again, we are also using this event as an opportunity to raise money for the local students to compete in the Concrete Canoe, Steel Bridge and MidPac competitions. Suggested donation is $5.00. Please RSVP to Elias Karam at Elias.Karam@jacobs.com by Monday, February 28. Let the good times roll!

YMF SPRING 2011 PE EXAM REVIEW COURSES
Planning on taking the PE exam? It’s not too late to register for the YMF SPRING 2011 PE Exam Review Course and let the experienced instructors lead the way! The Sacramento Chapter of the ASCE Younger Member Forum is offering improved review courses for the following exams:
1. Principles and Practice (General / 8 Hour)
2. Engineering Surveying
3. Seismic Principles
April’s not that far away, so register now. It’s easy; just visit our website at http://www.sacymf.org/pe-review to register online. Class schedules, locations, and prices are located on the website too. 8-hour classes started on January 19, but Survey and Seismic classes start on February 7 and February 27, respectively! And remember, early registration discounts are still available for the Seismic Principles review segment!

RÉSUMÉ WORKSHOPS
YMF has been busy, busy helping our local students with résumé workshops! YMF volunteers visited the Davis Student Chapter for their Résumé and Interview Workshop on Thursday, January 6, 2011. They also presented at UOP’s Collegiate to Career on Tuesday, January 25, 2011. Students turned out en-masse and expressed their sincere thanks for providing the students with a wonderful experience that they greatly appreciate.

UPCOMING RÉSUMÉ WORKSHOP
A Résumé Workshop is coming up at Chico State, and we need you! If anyone is interested in volunteering for Résumé Critique and Mock Interviews, please contact Steven at Steven.J.Soldati@usace.army.mil for more information. The Résumé Workshop will be held on Wednesday, February 9, 2011, 6:30 pm, at Chico State (room to be determined). This is a great opportunity to help our future engineers!

SKI TRIP
Thank you to everyone who attended the Ski Trip on Saturday, January 22, 2011!! The trip was a great success, and all who attended expressed their excitement at how much fun they had! The trip would not have been possible without the support and attendance from Sacramento Section, Capitol Branch, and YMF. We even had a great opportunity to meet and connect with our Truckee Meadows YMF group. Thanks again to all who participated!

UPCOMING EVENTS
* February Mixer, Luigi’s Slice (1050 - 20th Street, Sacramento, CA 95814, Wednesday, Feb. 2, 2011, 5:30 PM
* Résumé Workshop, Chico State, Wednesday, Feb. 9, 2011, 6:30 PM
* WRYMC will be held Feb. 11-12 in Orange County, CA. Good luck and have fun to the YMF Officers attending the event!
* Social, Bowling at Capitol Bowl (900 West Capitol Avenue, West Sacramento, CA 95691) March 2nd, 6 - 8 PM

For more information, visit www.sacymf.org
1-DAY CPT SHORT COURSE

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Friday - APRIL 8, 2011
Huntington Beach

NORTHERN CALIFORNIA:
Wednesday - APRIL 13, 2011
Berkeley

COURSE INSTRUCTOR:
Dr. Peter Robertson

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Sponsored by the
ASCE Sacramento Section
Holiday Inn, 300 J Street, Sacramento, CA
5:30 PM No Host Reception—6 PM Dinner & Awards

SAVE THE DATE

Wednesday, February 23, 2011

Introductory Remarks by
Joe Countryman - MBK Engineers

Awards Including:
Outstanding Project of the Year | Small Project | Environmental Transportation and Development | Structural Flood Control | Water/Wastewater

Student Awards Including:
Golzé Scholarship Awards | Student Achievement Awards

For Sponsorship Opportunities, to Donate Door Prizes, or for more information please contact:
Greg Young, gregy@quincyeng.com
Proceeds support the Golzé Scholarship Fund

| Individuals: $60 |
| Full Table Sponsorship (9 seats and 1 Student Award Winner): $650 |
| Half Table Sponsorship (5 seats): $325 |
(Note: Table sponsorship includes preferred seating and recognition during program)