



President's Message

By: Kelly Cobeen

As we move into August, the new SEAONC 2010-2011 year is getting underway, both at the board and committee level. As part of this new year, I would like to share with you new programs the SEAONC Board is initiating, and brief thoughts on association planning and budgeting.

The first new program is the Practical Training and Professional Involvement Program for recent structural engineering graduates, introduced by Peter Revelli in the June 2010 newsletter. The intent of the program is to give recent graduates an opportunity to stay connected with the profession while they look for career employment. All members are being asked to look for opportunities for professional involvement, including:

- Practical positions with SEAONC members/firms,
- Participation in SEAONC committee activities,
- Opportunities to assist with university research initiatives, or
- Involvement in structural screening and/or inventory activities for local communities.

Any similar opportunities are welcome for consideration. We are starting to implement this program now, and would appreciate your assistance in identifying opportunities that can be

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August 3rd Dinner Meeting

Moving 4000-ton Precast Concrete Shells into the Ohio River for the Olmstead Dam

Presented by:

Dr. Dale Berner, P.E., President, Ben C. Gerwick, Inc.

Casey Bowden, P.E., Senior Engineer, Ben C. Gerwick, Inc.



A new navigation dam at Olmsted on the Ohio River between Illinois and Kentucky is being built "in-the-wet" using a lift-in construction method by the Washington Group/Alberici Joint Venture for the U.S. Army Corps of Engineers, Louisville District.

Up to 4,000-ton precast concrete dam shell segments will be prefabricated on the Illinois riverbank, carried to the top of the marine skidway with a 5,100-ton gantry crane and lowered into the river on a marine skidway and cradle. Next, a 4,500-ton catamaran crane barge will lift the shells from the cradle, and transport them, partially submerged, to a pre-installed underwater pile foundation. Tremie concrete will be used to compositely connect the shells, piles and sheet pile cut-off walls.

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Meeting Notices

<p>SEAONC</p> <p>Monthly Dinner Meeting Tuesday, August 3, 2010</p> <p>The City Club San Francisco</p>	<p>SEAONC</p> <p>Business Forum Tuesday, September 14, 2010</p> <p>SGH, San Francisco</p>
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offered. Please contact the SEAONC office with your opportunities and any questions. Information on this program will be coming to the SEAONC web site in the near future.

The second is the establishment of a SEAONC Annual Sponsor Program. SEAONC has been very fortunate to have a number of engineering firms, product manufacturers, software vendors, service providers, and others who have been providing information to SEAONC members through advertising in our newsletter and web page, display tables at seminars, and other opportunities. The Annual Sponsor Program is intended to provide increased visibility and recognition to these supporters and open the opportunity to other interested sponsors. Three levels of sponsorship have been developed: Gold, Silver and Bronze. Benefits included in the sponsorship include SEAONC Newsletter advertising, recognition on the SEAONC web site, exhibit tables at SEAONC Seminars, individual memberships, and more. We hope that this new program will be of interest and mutual benefit to the manufacturers and vendors, to the SEAONC members, and to SEAONC in general. Information on the Annual Sponsor Program is available from the SEAONC office.

With the beginning of the 2010-2011 SEAONC year, the energy of the board is turned to planning and budgeting. On the budgeting front, as Rafael Sabelli mentioned recently, SEAONC is not immune to the ongoing economic turn-down that is affecting each of us in all aspects of our life. With the economy, membership and continuing education events have dropped moderately. Because of this the board will be taking a close look at expenditures and reserves to make sure that a sustainable direction is set, and that the core objectives of the association are supported. You can help the association maintain the wide range of opportunities for participation by helping us maintain and expand membership and by encouraging participation in SEAONC's continuing education programs. With the start of the new year, SEAONC committees are reviewing charges and making plans for the coming year. This is an ideal time to become involved in committees. Newcomers at any professional level are always welcome, and the benefits of involvement are great.

August 3rd Dinner Meeting (Cont. from Page 1)

The Corps of Engineers estimates that this project will produce average annual economic benefits to the nation of more than \$700 million as the new locks, and associated navigation dam, will operate more efficiently and will pass tows with fewer delays than the existing locks and dams that this project will replace.

Construction of the precast yard took place from 2005 to 2009, and shells are planned to be installed over 6 years, starting in late 2010. The presenters are the designers of the precast yard and the navigation section of the dam. Measuring up to 116 ft long, 124 ft wide, and 80 ft tall, moving the massive concrete shells with associated steel lifting frames by air, rail and barge from the precast yard to the river will be the focus of the presentation.

EPA Ruling on the Hazardous Waste Label for Fly Ash

*By: Matthew Kyler
SEAONC Sustainable Design Committee*

With the ever increasing trend of the use of Fly Ash as a cement replacement, the building industry has been closely watching EPA's decisions on whether or not it would classify Fly Ash as a hazardous material. The EPA's change in stance on Coal Combustion Residuals (CCRs), which includes fly ash, boiler slag, gypsum board and other materials, is in response to an accident in December of 2008 where an earthen dam in Kingston, TN gave way releasing a 40-acre pond of fly ash slurry. This event and the following cleanup efforts prompted the EPA to review its position on fly ash. Previously, the EPA had ruled that fly ash and other CCRs were not considered to be classified as hazardous wastes (May 22, 2000, March 31, 1999, and August 9, 1993); however, after the event in Eastern Tennessee, some regulation was determined to be necessary.

On June 21, 2010 the EPA released a draft ruling declaring CCRs to be one of two types of hazardous wastes. This decision by the EPA would focus on changing how fly ash is regulated for disposal and storage, while it would leave intact a previous ruling permitting the beneficial use of fly ash and other CCRs. In short, the EPA is fully endorsing the environmental benefits of using fly ash as a cement replacement in concrete and is not changing their regulation with regard to this application. The public comment period is open until September 20, 2010 and the full text of the proposed ruling may be downloaded at the US Regulations Website at www.regulations.gov or <http://www.regulations.gov/search/Regs/home.html#documentDetail?R=0900006480b06eac>².

Since the EPA has moved to change its regulatory stance on fly ash several interested parties have stepped forward to voice their concerns. In March, 2010, Engineering News-Record included an editorial which praised the well known virtues of CCRs while pointing out some lesser known drawbacks. The editorial asserted that the main downside to coal fly ash is the potential for chemical infiltration should it come into contact with groundwater³. At the ACI Spring 2010 Xtream Concrete Convention in Chicago a group of experts, most of whom had a direct interest in maintaining the status quo, outlined potential scenarios for what may be the negative unintended consequences of the EPA regulating fly ash as a hazardous waste. Many of these concerns relate to stigmatizing fly ash with a negative classification, even if there are exclusions for usage in concrete. The complete webinar is available to ACI members online at www.concrete.org⁴.

1 EPA Website, www.epa.gov, titled 'Fossil Fuel Combustion (FFC) Waste Legislative and Regulatory Time Line' <http://www.epa.gov/wastes/nonhaz/industrial/special/fossil/regs.htm>

2 US Website for Regulations, www.regulations.gov, titled 'Hazardous and Solid Waste Management System' <http://www.regulations.gov/search/Regs/home.html#documentDetail?R=0900006480b06eac>

3 ENR Magazine Editorial, March 14, 2010, 'Let's Clear up the Fly-Ash Dilemma: Is It a Danger or Not?' <http://enr.construction.com/opinions/editorials/2010/0414-FlyAshDilemma.asp>

4 ACI Webcast, '123 Forum: Fly Ash Contributes to Sustainable Concrete Construction' <http://www.concrete.org/General/Home.asp>

In Memoriam: Clarence E. Rinne, 1914-2010

By: Don Peterson



Clarence E. Rinne, 96, of Los Altos, one of the very early active members of this association, passed away peacefully on June 27, 2010 following a recent stroke. He was born in Berkeley, California on May 4, 1914, the son of Johan Emil and Amanda Jefina Rinne, both from Finland. He was educated in the Berkeley public schools and received his civil engineering degree from the University of California, Berkeley, in 1935, four years after his brother John Rinne received his CE degree. Edward Rinne (John's son) is the only Rinne still a member of this association.

In 1942 he married the former Reola S. Johnson. They moved to San Carlos in 1946 and to Los Altos in 1956. They had two children.

Mr. Rinne began his career in San Francisco with Standard Oil, H J Brunnier (in Panama Canal Zone designing buildings for the Navy) and Huber & Knapik. In 1955, he opened a Palo Alto office as resident partner with Pregnoff & Matheu to work on the then new Stanford Hospital. In 1960, he opened his own office which 10 years later became Rinne & Peterson Structural Engineers and he continued working at RPSE as a consultant engineer until 2002.

His career spanned 67 years in which monumental changes took place in the profession. His designs and reports as a direct consultant to owners and consultant to architects reached across the bay from the UC Berkeley lab buildings, to UCSF Med Center, to almost every type of building and service structure on the SF Peninsula and Silicon Valley as well as structures in other areas of California and other western states. He was really in on the ground floor of the technology buildings of the 50's that continued for decades. Almost every name in the tech industry was a client. During this boom period he also provided designs for a great number of school districts.

Clarence influenced both architects and young engineers with the philosophy of providing lateral system redundancy and clear paths of resistance in building structures, things that are finally being incorporated as building code requirements.

He was a long-term active member of the University Club of Palo Alto, Palo Alto Lion's Club, and Los Altos Lutheran Church. Through his work and interest in helping those with sight impairment, he had a 30-year-plus relationship with Vista Center, serving 12 years on the board of directors and a term as president.

He will be greatly missed by his daughters Carole Moore (Thomas) of Toronto, Canada and Susan Miklos (William) of Los Altos; two grandchildren, Edward Moore (Natasha) and Gregory Moore; one step-grandchild, Jason Moore (Janna), all of Toronto; in-laws, Harriet Tripp of San Jose and Warren and Gayle Johnson of Clyde Hill, WA, and numerous nieces and nephews. He was predeceased by his wife Reola and his three brothers, John, Arthur and Henry, and sister Irene. Clarence was a true gentleman who will be remembered by friends, colleagues and family for his integrity and exemplary work ethic, his warmth and kindness, and sharp wit and mind.

A memorial celebration of his life was held Tuesday, July 6, 2010 at Los Altos Lutheran Church in Los Altos. Contributions may be made in his name to the following groups to which Clarence had committed his community efforts towards: Vista Center for the Blind and Visually Impaired, 2470 El Camino Real, Suite 107, Palo Alto, CA 94306; Job Train, 1200 O'Brien Dr. Menlo, CA 94025, or Los Altos Lutheran Church, 460 El Monte Ave. Los Altos, CA 94022.

Business Forum Yearly Wrap-Up

By: Taryn Stubblefield

The Business Forum had a great year in 2009-2010, with speakers presenting a variety of topics related to the business of practicing structural engineering. This year, we endeavored to add value to the Business Forum by providing some additional benefits.

The year began in September with attorney Ann Liroff presenting the "Top 10 Things Your Company Should Know About Employment Law", and as a bonus, she offered a complimentary hour of her consulting time to any Business Forum member (the offer still stands!). Syndi Seid, a nationally-renowned expert in business protocol, gave a presentation at our April joint meeting with the AIA on Business Etiquette, complete with door prizes, including a complimentary visit to a lucky winner's firm to consult on etiquette issues. Our November meeting featured a panel of three speakers discussing the new trend in construction: Integrated Project Delivery, using the California Pacific Medical Center at Cathedral Hill in San Francisco as a case study. The speaker panel, consisting of the contractor, the project architect, and the project structural engineer, described the site office in which the entire design and construction team worked together at least 3 days a week, fostering a truly collaborative process. Attendees were invited to tour the office to see the process in action. Other meetings this year featured topics such as Professional Liability, The Claims Process, Quality Assurance, and Building Information Modeling (BIM).

Next year, the Business Forum will be held on Tuesdays, at a new location: the office of Simpson Gumpertz & Heger, conveniently located right outside the Embarcadero BART/Muni station in San Francisco. Upcoming topics will include: How to Get Paid, Health Care Reform, and Better Business Development.

Continuing Education Committee 2009-2010 Committee Annual Report

By: Masume Dana

It was my pleasure and an honor to serve the SEAONC membership this past year as the chair of the Continuing Education Committee (CEC). The CEC has dedicated and enthusiastic members who volunteered a significant amount of their time during the last year to organize the seminars, short courses and mini-seminars to educate the younger generation of structural engineers and to keep the structural engineering community up to date with many developments in academia and practice. I am grateful to have worked with such an exceptional group of structural engineers during the last few years. The CEC has 14 members: Masume Dana, Ben Mohr, Meris Ota, Natalie Tse, Sonia Anderson, Lizzie Blaisdell, Susan LaFore, Tim Hart, Mohamed Talaat, Joyce Fang, Meaghan Halligan, Eric Borchers, Arne Halterman, and Howard Zee.

Last year was a busy year for the CEC. In addition to the routine charges of organizing the main seminars and mini-seminars, Rafael Sabelli recommended that the CEC organizes a series of short courses to serve the membership better with offering more educational opportunities. We started our planning in July to prepare for the first short course on Performance-Based Plastic Design of Earthquake-Resistant Structures by Professor Subhash Goel at the end of August. In meantime, we started working on potential topics and speakers for the Fall 2009 Seminar. Based on the popular vote from the Summer Seminar survey forms, Structural Steel Buildings from Inception to Completion topic was selected. The final outline for the Fall Seminar covered an overview, gravity framing for structural steel buildings, underlying concepts in seismic design provisions, steel braced frame systems, and 2010 updates to AISC 341 – seismic provisions, and constructability issues in steel construction. The speakers were Tim Hart, Blake Dilsworth, Chia-Ming Uang, Walterio Lopez, Jim Malley, and Gary Glen, respectively.

In February of 2010, the second short course was scheduled on Guide to the Design of Diaphragms, Chords and Collectors – Based on the 2006 IBC and ASCE/SEI 7-05. Badri Prasad, Rafael Sabelli, and Doug Thompson presented the concrete, steel, and wood topics, respectively.

Another CEC achievement this year was the increased collaboration with other SEAONC committees. The Spring and Summer Seminars were respectively the outcome of our joint efforts with the Seismology Committee and the Sustainable Design Committee.

The Spring Seminar scheduled for March 2010 was on the SEAOC Blue Book – Selected Topics. It covered an overview by Kevin Moore, limit state design of reinforced concrete piles and pile caps by Tom Hale, past and future in foundation analysis approaches by Mark Moore, recent anchor bolt testing in light frame construction by Andy Fennell, light frame shear walls with openings by Kelly Cobeen, light frame wall hold-downs and discontinuous shear walls by

Gary Mochizuki, and early feedback from world's largest shake table test of mixed-use steel/wood light-frame structure by Steve Pryor.

The Summer Seminar took place in June 2010 and the topic was Innovative Sustainable Design Practices for Structural Engineers. The topics were an introduction to the structural engineer's role in sustainable design by Heath Blount, sustainable design wood strategies by Jim De Stefano, designing with resalvaged steel by Dirk Kestner, California Green Building Code and green elements by Alan Kren, designing for deconstruction by Bradley Guy, and sustainable tall buildings by Michael Willford.

As for the mini-seminars this year, in September Tim Hart and Elizabeth Hausler did a great presentation on Confined Masonry and Build Change. Professor Eduardo Miranda kindly accepted to present the ATC-62 – Effects of Strength and Stiffness Degradation on Seismic Response in October. The third mini-seminar was in December 2009 and Benjamin Fell talked about the SCBF systems. In addition to this mini-seminar, SEAONC CEC organized a joint special mini-seminar with EERI covering the Briefing on the Padang Earthquake. In January Professor Thomas Murray accepted to present the AISC/CISC Design Guide 11 "Floor Vibrations due to Human Activity" topic in a mini-seminar format. It was very well received by the SEAONC members.

Many thanks to all the presenters at the main seminars, short courses, and mini-seminars for offering their time and serving the Northern California structural engineering community with their expertise.

Special thanks to the offices of Arup and SGH for allowing us to host the short courses and mini-seminars in their conference rooms.

At the end it all came together thanks to the wholehearted help from all and everyone of the CEC members. I do trust that the chair and vice-chair for this coming year, Ben Mohr and Meris Ota, will do a great job leading the committee.

SF Green Buildings Bike Tour - Part II

Saturday, September 18th 2010, 10am

Missed our first tour or just want more? This route will take us on a more challenging path, with longer stretches between clusters of green building sites. It will start at the Presidio, rich with adaptive reuse stories, stop at a modern LEED Platinum landmark in Golden Gate Park, and end at a friendly neighborhood bike café & bar. Approx 2.5 hrs. Space is limited, \$5 to secure spot. Need to bring bike, helmet, lock, and lunch money. Several bike rentals available around both Fisherman's Wharf and GGP for approx \$8/hr.

Details provided upon RSVP to frances.yang@arup.com



Thank You SEAONC

For Supporting Engineers Alliance for the Arts 2010 Program

Engineers Alliance for the Arts (EAA) marked its 10th straight *Student Impact Project* with exceptional participation by students, volunteer engineers, teachers and dedicated donors such as SEAONC.

In-School Program

Nearly 150 students from three San Francisco and two East Bay high schools participated in EAA's eight-week, in-class program. Fourteen Bay Area firms provided 30 volunteer structural engineers to teach the weekly curriculum.



Judges (l-r): W. Wen Don Yu, B. Blessing, S. Thomas, C. Killion, W. Kaplan, M. Phipps and EAA President Jax Kneppers

Volunteer Structural Engineering Firms

Degenkolb Engineers
GFDS Engineers
KPFF Consulting Engineers
KPW Structural Engineers, Inc.
Liftech Consultants Inc.
Nabih Youssef Associates
OLMM Consulting Engineers

Paradigm Structural Engineers, Inc.
Simpson Gumpertz & Heger
Skidmore, Owings & Merrill LLP
Structural Solutions, Inc.
Structural Vision
Tipping Mar & Associates
Walter P. Moore and Associates

Winning Teams

Every student on a winning team received a trophy. *Best in Scenario* winning team members also received cash awards — \$100 for first place and \$50 for second place — which SEAONC's generous \$8,000 donation helped to fund.

Overall Best Bridge: Sunrise Team

Awards Event

EAA's 2010 *Student Impact Project* Awards Event was held on Saturday, April 24 at PG&E Auditorium in San Francisco. Students were asked to select one of three bridge scenarios — Oakland, CA; Washington D.C.; and Haiti — and develop a viable bridge solution. Thirty model bridges were presented and judged on a combination of viability, innovation, artistic appearance, construction and oral presentations.

An eclectic panel of expert architects, artists and engineers provided a broad array of viewpoints this year:



People's Choice Award Winner: Boomerang

Bill Blessing, Associate Principal Ratcliff Architects

Nick Buccì, Past EAA Board Member, Project Engineer Tipping Mar & Associates

William Kaplan, S.E. Retired

Chris Killion, Technical Director Aurora Theatre Company

Stephen Thomas, Founding Director & Head of School The Oxbow School

William Wen Don You, UC Davis S.E. program - Past EAA Participant

Maryann Phipps, EAA Past Board of Advisors, Owner Estructure

Mark Van Velzen, Project Manager Oliver & Company

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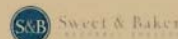
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Elyse Wong, Staff Engineer,
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Leah Olson, Structural Designer,
Liftech Consultants Inc.

David Montgomery

Kellie Jones, Staff Engineer,
R.B. Welty & Associates, Inc.

Member

Mark Flamer, Engineer in Training,
Butler Engineering

Member SE

Jim Reber, Design Engineer,
MFT Consulting Engineers

Student

Charles Njoroge, Student, SF
State

Paul Warnock, Student, UC Davis

Pending Members

Associate

Swati Verma

Paige Hill, Degenkolb, Designer

Member

Mohamed Genidy,
Structural Soft LLC

Jeffrey Pritchett, Safeway Services,
LLC, Western Regional Engineer

Amir Massoumi, Designing
Engineer/Project Manager

Angelo Perez, Green Earth
Engineering Corp., Civil Engineer

Steven Cox

Reina Inouye, KPFF Consulting
Engineers

Student

Angel Eng, Student

Andrew Wagner, UC Berkeley,
Student

Jose Reynolds, San Francisco State
University, Student

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Kristen Hillman
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Arup is a global engineering and consulting firm of 10,000 creative minds. Our integrated approach to engineering and design brings together the best professionals to meet our clients' needs. We are seeking a Structural Engineer in our San Francisco office to perform the following:

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- Prepare construction documents and specifications for structural systems.
- Complete design calculations for structural systems for permit submittals.
- Perform lateral analyses of structure for seismic and wind loading.
- Write reports, letters, project narratives, etc.
- Coordinate work with architect, engineers of other disciplines (mechanical, plumbing, electrical, geotechnical, etc)
- Apply knowledge of current seismic design and evaluation methodology.

Requirements: Masters Degree in Structural Engineering with a sound knowledge of structural and seismic engineering fundamentals. 3 to 6 years of related experience. License Requirement: PE/SE preferred. Competent in structural analysis programs with strong communication skills essential for team-based working. To apply visit: http://www.arupamericascareers.com/arup/jobboard/JobDetails.aspx?__ID=*0256EC2FE9164E77

Cornerstone Structural Engineering Group has immediate openings for motivated staff and project engineers with 3 or more years of experience to work in our San Francisco office. Cornerstone provides excellent opportunities to work on a variety of projects and types of construction including educational, civic, and commercial buildings as well as bridges and infrastructure. Our goal is to foster a collaborative environment for all phases of structural design and construction. PE license preferred. Visit our website at www.cseg.com. Fax resumes to 415-369-9101, attention: Tom Swayze or e-mail to: Careers@cseg.com

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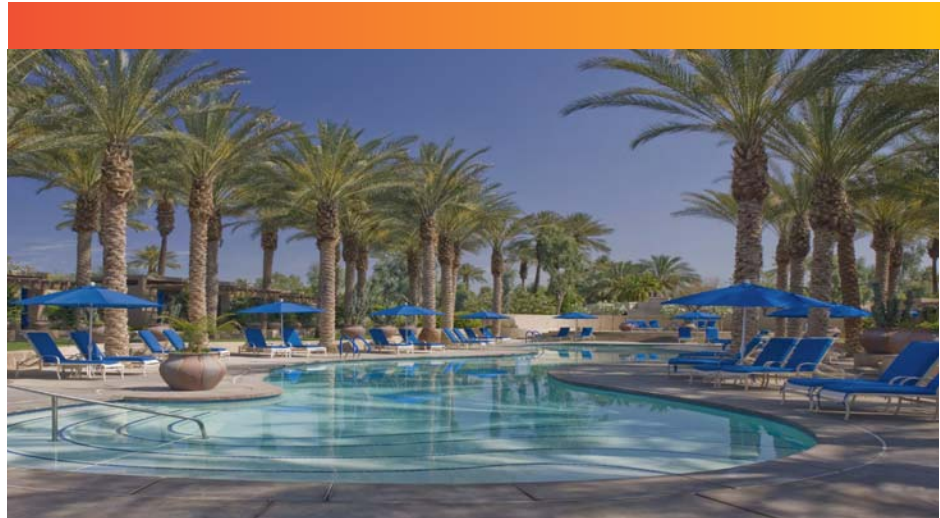
For questions, please contact Russell Kaltschmidt at
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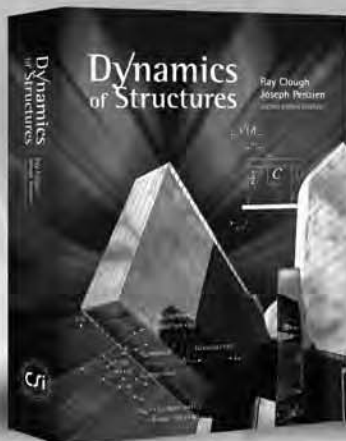
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to enjoy the **pools** and area activities including Shields Date Gardens, horseback tours, water park, balloon flights, jeep tours, aerial tram, outdoor adventure center, air museum, desert museum, shopping shuttles, casinos and polo.



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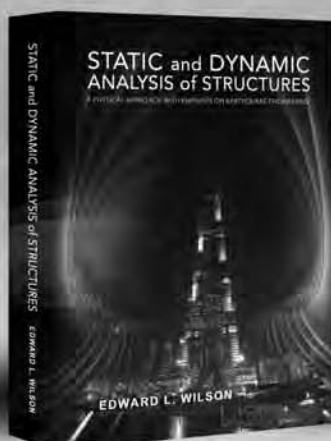
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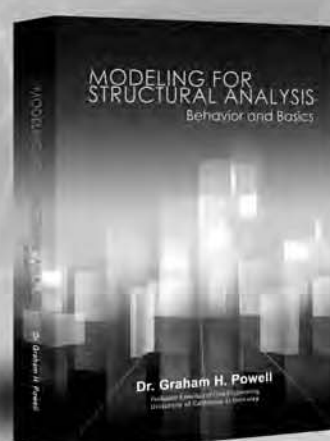
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upcoming events

AUG

3rd

SEAONC Dinner Meeting
The City Club, San Francisco

SEPT

14th

SEAONC Business Forum
SGH, San Francisco

22nd-25th

SEAOC Convention
Indian Wells, CA

SEAONC August Dinner Meeting August 3, 2010

Registration

Monthly Program 8/03

5:30 pm Assembly
6:15 pm Dinner
7:15 pm Program
The City Club
San Francisco

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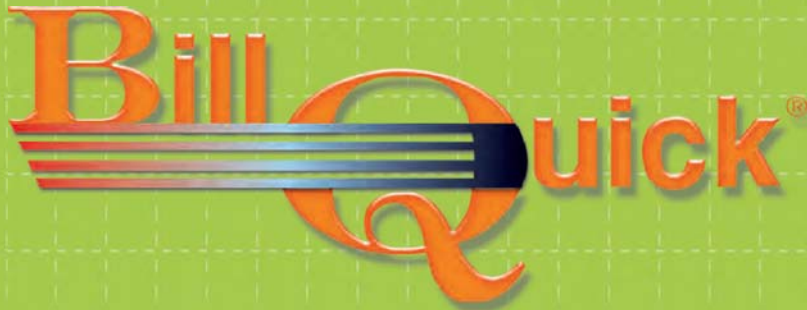
SF Monthly Meeting Registration Deadline: Noon, Thursday, July 27th

Register early, seating is limited. No cancellations after deadlines listed above. No-shows are still responsible for full attendance fee.

Cost -Monthly Meeting

	Pre-Registration	Late Reg.
SEAONC	<input type="checkbox"/> \$39	<input type="checkbox"/> \$44
Junior Member	<input type="checkbox"/> \$33	<input type="checkbox"/> \$38
Student	<input type="checkbox"/> \$15	<input type="checkbox"/> \$15
Non-Member	<input type="checkbox"/> \$44	<input type="checkbox"/> \$49

- Paying by check make payment to SEAONC.
- Paying online (monthly meeting only) go to:
http://www.seaonc.org/member/member_s/events/order_form.asp
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Fruitville, CA 96500

Project ID: 08-LBH-
Project Name: Long Beach Harbor
Manager: MK

Invoice Date: Jul 2, 2008 Invoice Num: 1139
Billing From: Jun 01, 2008 Billing To: Jun 30, 2008

Page 1 of 1

INVOICE

Phase	Phase Description	Contract Amount	% Complete	Prior Billings	This Invoice
08-LBH:01SD	Schematic Design	\$8,000.00	50%	\$0.00	\$4,000.00
08-LBH:02DD	Design Development	\$4,000.00	30%	\$0.00	\$1,200.00
08-LBH:03CD	Construction Documents	\$16,000.00	10%	\$0.00	\$1,600.00
08-LBH:04CA	Construction Administration	\$12,000.00	5%	\$0.00	\$600.00
TOTALS:		\$40,000.00		\$0.00	\$7,400.00

Consultant Fees:

Description	Date	Units	Cost	Amount
Structural Engineer Progress #1	6/25/2008	1.00	\$8,000.00	\$8,000.00
TOTAL:				\$8,000.00

Reimbursable Expenses

Description	Date	Units	Cost	Amount
Fedex	6/24/2008	1.00	\$29.00	\$29.00
Plans/Drawings/Sketches	6/25/2008	80.00	\$3.5	\$308.00
TOTAL:				\$337.00

Total Amount Due: \$15,737.00
This Invoice is due upon receipt

Account Summary		
Billed To Date	Paid To Date	Balance Due
\$ 15,737.00	\$ 0.00	\$ 15,737.00



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A screenshot of the BillQuick software interface showing a time and expense tracking table. The table has columns for Activity ID, Description, and days of the week (Mon, Tue, Wed, Thu, Fri) with a Total column. Below the table, there is a text area with a note and a toolbar with various icons.

Activity ID	Description	Mon (23)	Tue (24)	Wed (25)	Thu (26)	Fri (27)	Total
AR-CL	CONSTRUCTION INSPECTION	2		2.5		1.75	6.25
AR-AD	ARCHITECTURAL DESIGN			2.5	3		5.50
AR-CL	CLASS/SEMINAR/EDUCATION	3.5			2		5.50
AR-CWR	CONFERENCE WITH REFERRAL		1.5			1	2.50
CE-CL	CONSTRUCTION INSPECTION		1			1.5	2.50
AR-CAD	COMPUTER AIDED DRAFTING		3		3.5	5	11.50
GENCMR	Computer Maintenance/Repair						0.75
GENCTC	Telephone Call/Conference		0.25				0.25
		5.50	5.75	5.00	8.50	9.25	34.75

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