

*A Message from the President**June 3rd Dinner Meeting Program***Potpourri**

Dues up. NCSEA has increased dues for member states from \$5 per roster member to \$20. After a lively discussion, the State Board voted 9 to 3 not to pass this increase on to the local chapters. Rather, the Board committed to covering the cost by increasing sales of publications and seminars at the state level.

Dinner costs up. The City Club has recently raised prices for our monthly dinner meetings. Does this mean no desserts? The Board is chewing on this one.

Potential good news for you recent graduates. BOPELS is considering allowing candidates for CE licensure to take the SE1 exam in lieu of the current CE exam. This means you won't have to answer those dreaded surveying questions. The SE1 exam addresses structural problems only. SEAOC has endorsed the idea.

Did you know that the upcoming state convention will be held in Squaw Valley? It runs from September 17th through the 20th. I have been assured that the roads will be clear. And for those of you who really plan ahead, SEAONC will be hosting the 2004 state convention in Monterey, CA.

New leadership. Starting this September, Jim Malley of Degenkolb Engineers will take over as president of SEAOC. Also, SEAONC member Ron Hamburger will be taking over as NCSEA vice president. Congratulations guys.

Continued on page 2



*Steven B. Tipping,
President 2002-03*



*David R. Bonneville,
Presidential Candidate 2003-04*

JOIN SEAONC FOR 2003 ANNUAL AWARDS DINNER MEETING

SEAONC's June 3rd dinner meeting will be the traditional Annual Awards meeting. This meeting marks the close of the fiscal year 2002-2003 and the beginning of the 2003-2004 season. SEAONC's guests will include past Presidents; Honorary, Life, and Fellow members; and award recipients.

Presentations on this past year's achievements will be given, and winners of the SEAONC Excellence in Structural Engineering awards, Senior Scholarship awards, and honorees for the Community Involvement, H. J. Brunnier Lifetime Achievement, and Edwin G. Zacher awards will be announced. Two members will also be elevated to Fellow and Honorary Member status.

President-elect David Bonneville will succeed President Steve Tipping, and three new 2002-2004 Board Members will be announced and installed. Join us to install our new President, Officers, and Directors and to honor our outstanding peers.

SEAONC/ UC Berkeley Extension Short Course SE Exam Review

\$595

- FREE copy of *Structural Engineering License Review: Problems and Solutions* by Alan Williams.
- 6 Weeks (consecutive Saturdays, for 6 hours per day)
- Emphasizes tips and techniques rather than problem solving in class.
- Designed and taught by a group of younger SEAONC members who recently passed the SE Exam.

See Enclosed Registration Form

Meeting Notice

Annual Awards Dinner Meeting

June 3rd, 2003

The City Club

*155 Sansome Street, 10th Floor
San Francisco*

Fax registration form on the back of this newsletter to the SEAONC office by

12:00 Noon – Friday, May 30th

The New Carquinez Bridge

Mark Ketchum, OPAC Consulting Engineers and Bart Ney, Caltrans

by Jamison Curry, Program Committee Chair

It is not often in one's lifetime that one gets to see the construction of something truly grand. The new Carquinez Bridge is something truly grand. Dr. Mark Ketchum, Vice President of OPAC Consulting Engineers, Inc. and Bart Ney, Public Information Manager for Caltrans, made a fascinating presentation about the design and construction of the project.

Dr. Ketchum listed some of the firsts for the bridge – first aerodynamic steel deck bridge in the United States, first concrete-tower-supported suspension bridge in the United States, and first suspension bridge supported on piles in the United States.

Dr. Ketchum, who was involved in the design development of the bridge, said that several other schemes were studied besides the suspension bridge that was eventually selected – these included a truss scheme, an arch bridge, a three-tower suspension scheme, and a cable-stayed alternative. Considerations made in selecting the final two-tower suspension scheme included first cost, service life cost, seismic resistance, aesthetics, and constructability.

Piles at the towers are 3 meters in diameter – in some cases, steel caissons are 155-feet long and extend a further 141-feet into bedrock below, almost 300-feet long, total. Twelve piles support each tower, six piles beneath each tower leg. The tower footings were precast concrete pieces. The towers are jump-formed and are inclined to allow the suspension cables to be the same width as the roadway. The south cable anchor-

age is supported on smaller driven piles, some of them battered. The north anchorage is smaller than the south, for it has stronger soil conditions. The cables, which were spun in the air, were built by a Norwegian contractor. Cables supported from the main suspension cables were used to lift the deck into place, in segments. The steel deck, prefabricated in sections in Japan, has yet to be fully welded together. The last portion of the project, the Crockett interchange, is still to be built.

Analysis considerations included wind tunnel tests, to preclude aeroelastic flutter, the nemesis of the Tacoma Narrows Bridge, and two-level seismic design, for a functional and a safety level of design. The project site is within ? kilometer of the Franklin fault.

Mr. Ney showed video of the construction of the bridge. He stated that the project was truly international in scope, utilizing Japanese and Norwegian sub-contractors, mentioned above, as well as English (they fabricated steel cable saddles and other steel elements) and German (they furnished drilling equipment). The video included some of the more difficult lifts of bridge deck segments, which bore a striking resemblance to an act from Cirque du Soleil, with cables being used to lift the segments into place in a diagonal vector, instead of simply straight up. During deck construction, work took place 24 hours a day and required 240 people, working in shifts. The deck was held in place temporarily with pins that allowed the bridge deck to change shapes during construction, as each succeeding segment placed a progressively larger load on the suspension cables.

For more facts on the project, see the May newsletter.

Our thanks to Dr. Ketchum and Mr. Ney.

Continued from page 1

Attention all you SE wannabes: SEAONC, through the efforts of director Constantine Shuhaibar, has joined forces with UC Berkeley Extension to offer an SE exam review course. There will be six Saturday classes. This is a great opportunity to meet with your colleagues and prepare for this challenging exam. Look for the flier in the newsletter.

Three scholarships to be given. Thanks to the generous contributions of our membership, to the tune of \$10,000, plus a budgeted \$5000 contribution from the scholarship fund, SEAOC will be giving three \$5000 scholarships this year. The recipients will be engineering students from area universities. The winners will be announced at the June dinner meeting. Thanks to board member David Bonneville for his fundraising efforts.

Swan song. They say that time flies when you are having fun. Well, this past year has certainly gone by quickly, so I must have had fun. June marks the end of my one year term as president. I would like to thank the organization for giving me the opportunity to serve. It's been a rewarding experience. I would especially like to thank all the members who have volunteered their time and energy to the profession—that's what makes SEAONC the great organization that it is. You should be proud.

Opinions expressed in the SEAONC NEWS are not necessarily those of the Structural Engineers Association of Northern California. Advertising rates and information sent upon request. Acceptance of advertising and informational brochures in the SEAONC NEWS does not constitute endorsement or approval by SEAONC of the products or services advertised. SEAONC reserves the right to refuse any advertising.

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Committees on Assignment

SEAONC Uniform Plan Review Ad-Hoc Committee Report

By Doug Hobach, Chair

The SEAONC Uniform Plan Review Committee was recently formed by the SEAONC Board. It is presently functioning as a subset of the Peninsula Chapter of the ICC Plan Check Standards Committee, which is chaired by Edgar Rodriguez and facilitated by Keyvan Irannejad, both of the City of Milpitas.

This Committee is meeting bi-weekly and working towards standardization of the plan check process among various Bay Area jurisdictions. The initial focus is on standardizing the plan submittal requirements and the plan check process for single-family residences. Other building types will be addressed subsequently.

If you are interested in providing input to the Committee, please contact a committee member. SEAONC designated members of the committee are Mehri Ansari, Tom Wosser, Jon Kiland, Constantine Shuhaibar and Doug Hohbach. Bill Andrews is serving as the liaison with the SEAONC Professional Practices Committee. Also, SEAONC members interested in becoming corresponding members of the committee should e-mail dhohbach@hohbach-lewin.com.

Reminder:
July Newsletter Deadline:
Tuesday, June 10th, 2003

WEBSITE COMMITTEE 2002-2003 Year-End Report

By Darrick Hom, Chair

The Website Committee had a successful year with the near completion of the latest phase to our website. We will soon be able to provide new features exclusive to members of SEAONC, such as online roster that allows members to change their membership information online automatically. Another significant change will be the addition of the DES Phone Tree Directory online. In addition, we provided additional training for the SEAONC staff so the website could be updated on a regular basis. As a result, the latest information will always be available online, including upcoming meetings, seminars and updates from all SEAONC committees.

Our major charge for the upcoming year will be addition of online payments that will allow members to pay for SEAONC functions and membership directly with a credit card. Plans also include coordination with other committees to ensure that all committees are taking full advantage of what the website has to offer.

The SEAONC website has become a complex structure that requires constant attention in order to remain current and useful. As such, the committee is always open to new members and committee liaisons. If you see a need or have a request, come on over and make it happen — we're here to serve you!



Committee Chairs

Business Forum

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Young Members Forum

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REBUILDING TOGETHER 2003



Rebuilding Together 2003 was a huge success! We had a turnout of 60 volunteers on Saturday, April 26th, who completed a wide range of projects at the home of “Ms. N,” in San Francisco’s Bayview District.

A week before Rebuilding Day, a small team began her new stairway in the back yard, removing the old, dangerous and dilapidated one and casting a new landing.

On the day of Rebuilding Together, the volunteers formed 11 teams, each taking responsibility for a different part of the house. The teams built her new back stairway; removed and replaced much damaged wood flooring; repaired damaged plumbing, performed a bunch of electrical rewiring; built new storage shelves; replaced her stove and rebuilt its surroundings; created an operational laundry area; seriously cleaned up her landscaping; and TONS more. All in one day!!

Rebuilding Together also brought in a roofing contractor to repair the leaks that led to many of our repairs.

The day –some would argue night– ended with a true sense of accomplishment. More than once,



The whole crew gathers in front of the project: Ms. N's house in San Francisco

teams were heard to burst into applause at their own results.

The day after we all left, Ms. N says she tiptoed around her house as though it were Christmas morning, peeking around corners with anticipation and delight.

This year’s team was led in construction by Jim Passaglia of DASSE Design, and Eric Long of Skidmore, Owings & Merrill, and the volunteer coordinator was Jennifer Masich Lynn.

SEAONC sponsors a home for Rebuilding Together by providing volunteers and funding. That funding is made up solely of generous donations from firms and individual members, who deserve our recognition and thanks. And, of course, none of these tasks

would have been accomplished without the contributions from our tireless volunteers!

The Donors

Ahearn, Knox & Hyde, Inc.
Anna Ayroso and Eugene Serina
Applied Materials & Engineering, Inc.
Charles M. Salter Associates Inc
D/PM Incorporated
Darrick B. Hom
DASSE Design Inc.
David Bonneville
Degenkolb Engineers
Double D Engineering
E. G. Hirsch & Associates
Ed Matsuda
Edwin Zacher
George & Georgianna Greenwood
Joe Maffei
Lin and Jack Rafferty
McLean Steel, Inc.

Donors (Continued)

Richard J. Love
Robert and Ann Preece
Romig Engineers, Inc.
Rutherford & Chekene
Samuel A. Fletcher
Tennenbaum-Manheim Engineers
Thomas D. Wosser
Tommy Chow
William & Danielle Dasher
Wiss, Janney, Elstner Associates, Inc.

The Volunteers

Emma Aquino
Donna Arthur
Tiffany Arvold
Anna Ayroso
Cressica Brazier
Vidya Chandrasekaran
David Choi
Bill Dasher
Maggie Demil
Sam Demil
Mike Eli
Dave Evans
Joyce Feng
Mike Forbes
Lucie Fougner
Bryan Frank
Shane Gallagher
Mike Gemmill
Joshua Graber
Vicki Gruhn
Tim Hart
Frank Hickman
Darrick Hom
Ayhan Irfanoglu
Ravi Kanitkar
Amarnath Kasalanati
Martine Klein
Victor Kozaczuk



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Andrea Long
Eric Long
Jennifer Lynn
Michelle Mak
Marlene Martindale
Marty Martindale
Tiffany Martindale
Jim Passaglia
LinLi Peng
Beth Pototo
Badri Prasad
Marc Ramirez
Sarah Ratcliffe
Alan Ravandi
Peggy Rios
Kim Rivera
Josh Schnabel
Eugene Serina
James Situ
Kate Stillwell
Tom Swartz
Bryce Tanner
Ariel Villasol
Joann Vuong
William Wahbeh
John Westphal
Taryn Williams
Gregory Wong

New Members

Member SE

Gina Calabria
Associate, Jon Brody Consulting Engineers

Member

Ana Akin
Senior Plan Check-Civil Engineer, LP2A

David Andrews
Senior Engineer, LACO Associates

Gordon Enas
Senior Engineer, California Dept. of Water Resources

John Hare
President, Holmes Culley

William Wahbeh
Senior Engineer, Signet Testing Labs

Brian Zuckerman
Assistant Regional Manager, Berkel & Company

Associate

Kofi Baryeh
Engineer, Kiewit Pacific Company

Forrest Lanning
Staff Engineer, DASSE Design, Inc.

Amarendra Prasad
Senior Engineer, Beyaz & Patel, Inc.

Corresponding

S. Sindurabanu
Uzun & Case Engineers

Student

Seemant Saxena
Graduate Student, Stanford University

BUSINESS FORUM

JUNE PROGRAM ANNUAL BUSINESS & PLANNING MEETING

By Reinhard Ludke, Chair

Thursday June 26, 2003
12:00 – 1:30 PM
City Club, 155 Sansome Street,
Game Room, 10th Floor,
San Francisco, California

Business Forum Executive Committee
Members will attend:

The June meeting will be our annual
planning meeting. Our new chairper-
son, Simin Naaseh, will take charge
of planning next year's programs and
activities for the Business Forum.
We will review the past year pro-
grams and meetings, collect ideas
and preferences for programs for next
year and assign new officers for the
2003-2004 Business Forum.

The Business Forum welcomes all
SEAONC members to attend this
annual meeting and use it as an
opportunity to get involved in our
activities. Complimentary Lunch
provided by the Business Forum.

RSVP by Monday June 23, 2003

E-mail: seaonc@ix.netcom.com
Phone: 415/974-5147

Please indicate Chicken, Beef or
Pasta.

Bulletin Board

SEAONC Summer Seminar

*Modern Design & Construction of
Masonry & Tilt-Up Buildings*
July 23 and 30

New Associate at Toft, de Nevers & Lee

The firm of Toft, de Nevers & Lee has
added Mr. Kevin Donahue as Associ-
ate to the firm. Mr. Donahue is a
licensed Civil and Structural Engineer
in the State of California.

Building Seismic Safety Council Annual Meeting

BSSC will be holding its 2003 Annual
Meeting on June 18-20 at the U.S.
Grant Hotel in San Diego, California.
Below is the link to the BSSC
webpage with details of the meeting.
[www.bssconline.org/ab/2003AnMtg/
03AnMtgInfo.htm](http://www.bssconline.org/ab/2003AnMtg/03AnMtgInfo.htm)

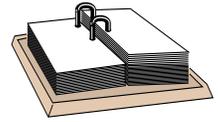
BALLOTS ARE DUE!

SEAONC Voting Members, don't for-
get to vote! SEAONC is holding elec-
tions for three open director seats on the
Board of Directors, as well as for Vice
President and President.

The candidate for President is David R.
Bonneville, SE; the candidate for Vice
President is Simin Naaseh, SE. The six
candidates for director are: Jackie
Bassett, SE; Jamison H. Curry, SE; Kevin
Moore, SE; Donald Peterson, SE; Gary
Searer, SE; and Mason Walters, SE.

**Ballots are due in the SEAONC office
no later than noon, Tuesday, June 3rd**

CALENDAR OF EVENTS



June 3

Annual Awards Dinner Meeting
The City Club, San Francisco,
RSVP by noon, May 30th

June 12 & 19

CUREE – Caltech Woodframe
Project Outreach Seminar for
SEAONC, PG & E Auditorium,
San Francisco – see insert in this
newsletter – Register/Pay by
12 noon, Thursday, June 6th

June 26

Business Forum Meeting
The City Club, San Francisco
RSVP to SEAONC office by
Monday, June 23rd

June 27

YMF Social: A's vs. Giants
RSVP to Laura Yamaguchi
lauray@tippingmar.com

Posting for Membership

Member SE

Jacqueline Bassett
*Project Manager, KPFF
Consulting Engineers*

Member

Stephen Marusich
*Designer, Forell/Elsesser
Engineers, Inc.*

Associate

Tony Holden
*Project Engineer, KPFF
Consulting Engineers*

Student

Can Bingol
*Graduate Student,
Stanford University*



YMF Baseball Game!

Giants Vs. Oakland

Friday, June 27th
PacBell Park



Free for young members 34 and under! All others welcome to come
for \$22 cost!
RSVP to lauray@tippingmar.com

Ahearn, Knox & Hyde, Inc. is a medium size structural firm in San Jose providing design services to the bay area for the past 32 yrs. We are looking for a self-motivated engineer with a minimum of 5 yrs. of experience in analysis & design of various types of buildings. We offer a very good benefits package along with SEP IRA plan, all fully funded by the firm. Salary is competitive & commensurate with experience & skills. Superb working conditions with congenial atmosphere. Fax résumés to 408/267-7919 or e-mail hyde@akhse.com

Forell/Elsesser Engineers, an award-winning structural/civil engineering firm, offers outstanding career opportunities to engineers and CAD drafters with all levels of experience who seek a dynamic, challenging and rewarding work environment (www.forell.com). Work on exciting projects and collaborate with innovative design engineers. We offer an unparalleled salary & benefits package, including employer matched 401(k), pension and incentive compensation plans. Contact: Jim Guthrie, 160 Pine St. #600, San Francisco, CA 94111; fax 415/837-0800 or jim@forell.com

Harris & Sloan Consulting Group, Inc., a growing full-service structural engineering consulting firm in Davis, Ca., offers a relaxed, professional working environment in the heart of downtown Davis. Our firm has immediate openings for outstanding individuals seeking to grow professionally in a positive work environment. We offer excellent compensation and benefits packages and a great working environment. We are currently seeking Project Managers, Project Engineers, and CAD Operators to join our growing team of quality individuals. Project Managers will have leadership ability and demonstrated experience in all materials and building types with a strong background in design and detailing of wood-framed structures. Requires P.E. and 5-10 years of relevant experience. Project Engineers require a Bachelor's Degree in Engineering with structural emphasis and a minimum of two years of experience designing and detailing buildings of wood, with concrete, masonry, and steel experience a plus. CAD Operators should have a demonstrated proficiency in the layout, design, and detailing of buildings and at least two years of experience in AutoCad. If you have exceptional interpersonal, communication, and organizational skills and are committed to providing excellent customer service, come and join our

growing firm! Fax your resume in confidence to 530/753-5380.

Structural Engineer - Are you dynamic, competitive, creative? **Marr Shaffer & Miyamoto** is ready for you. Established over a half a century ago, MSM is one of the most respected engineering firms, with an office in Pasadena and Sacramento. Our projects range from complex high-rise structures to commercial buildings with expertise in seismic rehabilitation and state-of-the-art design procedures. In earthquake engineering we design retrofits and new buildings with dampers, base isolators and fiber reinforced plastic. We are seeking project engineers, project managers, and CAD drafters. Communication skills and a commitment to be the best are essential. We offer a great working environment, a complete benefit package, and a chance to take a great life journey! Check out our website at www.msml.com for more information. If you are ambitious and have a minimum 2+ years experience with a variety of building materials (steel, concrete, timber), please submit your resume to resume@msml.com.

Engineer with two or more years of building design experience for career position with established Sacramento Structural Engineering consulting firm. A great opportunity for professional development in a high growth region of California that offers reasonable housing costs and outstanding cultural and recreational activities. Submit resume to **Anderson & Doig Structural Engineers**, 10308 Placer Lane, Sacramento, CA 95827, adse@pacbell.net

Adamo & Associates of Mountain View, California, an established and highly regarded structural engineering firm, has immediate career opportunities for motivated dynamic individuals to work on challenging and diverse building projects. Candidates must be technically based with excellent written and verbal skills. Openings are currently available at Sr. Level (5-10 yrs. exp. w/ CA PE min., CA SE pref.), Intermediate Level (3-5 yrs. exp. w/ PE min.), and Jr. Level (0-3 yrs. exp. w/ BS Degree & EIT min). Please refer to our web site at www.adamoassociates.com for further information or call 650-938-6800

DASSE Design Inc. has an opportunity for a Project Engineer in either our Oakland or San Francisco offices for someone who is passionate about structural engineering.

Minimum qualifications are BSCE (MSCE preferred), PE or SE license and 5-10 years experience on a variety of structures of increasing size and complexity. DSA and OSHPD experience a plus. Position requires strong computer skills, excellent verbal/written abilities and a desire to grow in a collaborative, professional environment. DASSE works with award-winning architects on health care, civic, K-12 schools, college/university and corporate facilities, using steel, concrete, timber, and masonry, in both new construction and renovation. Our projects are challenging and diverse. Send resumes with cover letters to William Andrews by fax (415)243-9165 or e-mail (andrews@dasse.com). Learn more about our firm at www.dasse.com.

Faye Bernstein & Associates is looking for a bright energetic individual to join our design team on diverse challenging projects. Individual must have 2 to 6 years experience. Master degree a plus. Send your resume to 50 California, 7th Fl, San Francisco 94111, fax (415)397-5219, e-mail fba@fbaengineering.com

H.D. Rueb Structural Engineer, a medium size firm located in Pleasant Hill, has been providing structural engineering services for the past 33 years. we are currently seeking a self-motivated project engineer/manager with 5 years minimum experience who is looking for growth opportunity working on various building types. Applicants must have CE license with SE and MS degree preferred. Job requires independent person with good communication skills to do project management and client interface. Applicants must be team players, work to meet deadlines and have concrete, masonry/steel and wood design experience. We offer an extremely competitive salary and benefits package. Learn more about us, and the position, at our website at www.hdrse.com. Contact us at: 360 Civic Drive, Suite F, Pleasant Hill, CA 94523 or FAX 925/825-9561, or e-mail to dave@hdrse.com

MBA Structural Engineers, Inc. seeks drafters with 2 yrs. min. experience. We offer a strong compensation package, including flexible hours, retirement plan, bonuses, and full family medical coverage. Send your resume to 1717 N. California

Continued on page 8

Job Forum

Continued from page 7

Blvd., Suite 2A, Walnut Creek, CA 94596, or fax to 925/933-6140, or e-mail to mbaeng@pacbell.net

Point 2 Structural Engineers Inc.

in Sacramento is looking for Civil or Structural Project Engineers to complement our growing firm. If you have 3 or more years of experience and are interested in managing your own projects, we would like to talk to you. We offer competitive salaries and benefits. Fax your resume in confidence to Brad J. Rollins at 916/643-4848 (fax).

SHA Coffman Engineers is a multi-office firm in Encino doing leading edge structural engineering. Two positions open. Sr. Structural Engr. (CA SE). 8+ yrs major building design experience in CA. DSA/OSHPD experience a plus. ETABS/SAP expertise. Engineer with 2+ yrs. Experience. Qualified applicants send recent resume to SHA Coffman Engineers, ATTN: Angelia Weitzman 818/285-2650; 818/285-2651 (fax), info@sha.coffman.com; www.coffman.com

SOHA Engineers has openings:

-Project Engineer with 4-7+ yrs exp. In structural/seismic analysis and design of buildings. CE license. Must have good technical skills, able to work fairly independently, team player with interest in working in a collaborative and technically challenging environment. -Project Manager/Principal Structural Engineer, 10-15+ yrs exp. SE license. Must have excellent technical, verbal and written communication skills. -SOHA offers stability, diversity of projects, and career growth opportunities. Please send resume with cover letter to: SOHA Engineers, c/o Human Resources, 550 Kearny Street, Suite 200, San Francisco, CA 94108 or Fax 415/989-9909.

Career Opportunity **Umerani Associates**, structural engineering firm located in Palo Alto, specialized in Civic, Educational & Healthcare facilities, is seeking self-motivated engineers with strong technical & management skills. 3 to 15 years of experience in computer analyses and design of steel, concrete, wood & masonry structures is preferred. Please send resume to Jawed Umerani, 4020 Fabian Way, Suite 302, Palo Alto, CA 94303. Tel: (650) 494-1600, e-mail: jumerani@umerani.com

Job Forum Insertion Fee:

\$150 up to 450 characters/spaces
\$15 for each 45 characters/spaces thereafter. All job forum ads will be posted on the SEAONC web site.

SEAONC's New Multimedia Projector



SEAONC has a new In Focus LP290 Multimedia projector which is available for rental to SEAONC committees and SEAONC voting members. The rental fee remains at \$100 per day of use in addition to a deposit of \$1800.

DISPLAY ADS

Full Page	\$900/mo.
2/3 Page	\$600/mo.
1/2 Page	\$480/mo.
1/3 Page	\$360/mo.
1/4 Page	\$270/mo.
1/6 Page	\$225/mo.

Rates are for finished camera-ready black and white ads or proofed PDF files with embedded fonts. *Full payment is required at time of insertion order.* For advertising contract, size specifications, and special rates for running an ad for multiple months, contact the SEAONC Office at seaonc@ix.netcom.com or phone 415/974-5147.

Q: I just learned that ASTM A992 is the proper material to specify for wide flange shapes. Where can I find information on the proper material to specify for other structural steel shapes?

A: Call 866.ASK.AISC

AISC's Steel Solutions Center is your **FREE** resource for the answer to this question and many more. For the most up-to-date, complete information on structural steel, call toll free and ask today! Or e-mail us at solutions@aisc.org.



www.aisc.org

Steel
SolutionsCenter

Your connection to
ideas + answers

*Repeat Ad for
Computers and Structures*

upcoming events

JUNE

3 San Francisco Dinner Meeting

12 CUREE / SEAONC Seminar
& 19

26 Business Forum Luncheon

27 YMF Social - A's vs Giants Game

JULY

23 SEAONC Summer Seminar
& 30

Registration

Structural Engineers Association of Northern California

JUNE 3rd SEAONC DINNER PROGRAM, SAN FRANCISCO CITY CLUB

5:45 pm

General Assembly

If no label is shown above, or for guests, please fill in the form below.

NAME _____

6:30 pm

Dinner

COMPANY _____

ADDRESS _____

7:30 pm

Program

CITY _____ STATE _____ ZIP _____

PHONE _____ FAX _____

Location:

**The City Club
155 Sansome St.
10th Floor
San Francisco**

RSVP by Fax: 415/ 764-4915, Phone: 415/ 974-5147, e-mail: seaonc@ix.netcom.com

Deadline for pre-registration: 12 noon, Friday, May 30th, 2003

Make check payable to SEAONC and bring with you to the door.

Register early! Dinner and program reservations are limited. No cancellations after 12 noon, Friday, May 30th, 2003. No-shows will be invoiced. Tickets not claimed by 6:45 p.m. on the night of the event are subject to being sold. Note: Individuals with outstanding monthly meeting balances are required to pay in advance for a meeting reservation and pay all outstanding monthly meeting invoices.

BART:

**Montgomery St.
Station, Exit on
Sansome Street,
San Francisco**

COST: PRE-REGISTERED LATE REGISTERED (After Deadline)

SEAONC Member	<input type="checkbox"/> \$34	<input type="checkbox"/> \$39
Junior Mbr (29 and under)	<input type="checkbox"/> \$28	<input type="checkbox"/> \$33
Non-Member	<input type="checkbox"/> \$39	<input type="checkbox"/> \$44
Student	<input type="checkbox"/> \$15	<input type="checkbox"/> \$15