



Structural Engineers Association of
Southern California

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SEAOSC

NEWS

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President's Message

Student and Spouse Night was a large success at the February Dinner Meeting due to the hard work of the Structural Engineers Auxiliary and James Lai.

The Auxiliary and the Association gave a number of awards and over \$5,000 in scholar-

ships to a group of fine students from local universities and colleges. This year we were able to give one \$2,000 and three \$1,000 cash

scholarships to deserving students in the field of engineering. The Auxiliary also gave a scholarship this year to add to the success of this program. A very special thanks to those individuals and firms who contributed to this year's scholarship fund. This program is one way to continue our commitment to encourage students to move into the structural engineering profession.

I would like to remind you of our Orange County and Tri Coun-

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Three Seminars Coming Up

SEAOSC is co-sponsoring the seminar "Structural Steel Design, Volume 1: ASD" with ICBO from 8 a.m. to 1 p.m. March 2 in Irvine. For details, see blue and green insert.

A Practical Design & Detailing Seminar will be held from 3 to 5 p.m. March 6 at Luminarias Restaurant in Monterey Park and April 10 at Costa Mesa Country Club in Costa Mesa. Topics: "ATC-50: Seismic Evaluation and Retrofit of Existing Buildings" and "Status of Gypsum, Lath & Plaster Wall Panel Tests". Speakers: David Breiholz, Shafat Qazi and Ben Schmid. See peach insert for details and registration.

L.A. Dinner Meeting

Wednesday, March 6

Program: CUREe Research Project

Speakers: Andre Fillenthrope & John Hall, CUREe

Location: Luminarias Restaurant, Monterey Park

Time: 5 p.m. Social Hour
6 p.m. Dinner
7 p.m. Program

Menu: Lemon Chicken.

Cost: \$24 (Students: \$10)

(See blue insert for reservation form and details.)

Tri-Counties Dinner Meeting

Wednesday, March 13

Program: Simplified Seismic Building Code

Speaker: Warren Minner, Chair, SEAOSC Code Committee

Location: Four Points Sheraton, Ventura

Time: Social hour: 5 p.m.
Dinner: 6 p.m.
Program: 7 p.m.

Menu: Chicken

Cost: \$24 (Full-time students: \$10)

(See green inset for reservation form & details.)

March and April Calendars

March

2	7:30 a.m.	SEAOSC ICBO Seminar	Irvine
6	Noon	Board of Directors Meeting	Luminarias Restaurant
	3 p.m.	PD&D Seminar	Luminarias Restaurant
	5 p.m.	L.A. Dinner Meeting	Luminarias Restaurant
10	2 p.m.	2002 Convention Meeting	SEAOSC Offices
13	5 p.m.	Tri-Counties Dinner Meeting	Fourpoints Sherton, Ventura
20		May Newsletter Deadline	

April

3	Noon	SEAOC Convention Technical Committee	Luminarias Restaurant, Monterey Park
	3 p.m.	Board of Directors Meeting	Luminarias Restaurant
	5 p.m.	L.A. Dinner Meeting	Luminarias Restaurant
9	2 p.m.	Quality Assurance Committee	SEAOSC Offices
	4 p.m.	Existing Buildings Committee	SEAOSC Offices
10	3 p.m.	Orange County PD&D Seminar	Costa Mesa Country Club
	5 p.m.	Orange County Dinner Meeting	Costa Mesa Country Club
20		SEAOC Board Meeting	San Diego
24		June Newsletter Deadline	

SEAOC Plan Review Newsletter on Website

Many SEAOC members are receiving *Plan Review* by E-mail. For those not receiving the publication by E-mail, it is posted on the SEAOC web site (seaoc.org) at the secure section for members only. Members accessing this area must type the user ID "SEAOC" and password "SEA32OC". The access codes are case sensitive. Be sure to use CAPITAL letters.

The latest issue of *Plan Review* has been posted. If you would like the newsletter e-mailed to you in the future, please send a request to kevin@seaoc.org."

We have been distributing *Plan Review* by e-mail for those so requesting and posting it on the web site only for about a year now. No more printed and mailed hard copy except for about 100 "hard core" hard-copy folks. This saves about \$15,000 a year in printing and postage costs. BUT, not everyone is going to check in to the web site on a regular basis. To get the word out about posting, we have been E-mailing ALL we have addresses for (50 percent plus) and sending a post card to the rest. The additional hit in your newsletter will help in conditioning members to think "web site" when it comes to *Plan Review*.

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ties Dinner Meetings. The Orange County Meeting continues to provide excellent programs every other month. I attended the December 2001 Orange County Dinner Meeting and I found David Pomerleau, Program Chair, providing a very dynamic dinner meeting. Also, I was impressed to see the Tri-Counties Dinner meeting in January had over 100 in attendance. I would encourage you to attend one of these meetings if you live or work in these counties.



March is “wood” month at SEAOSC. The program

for the March Dinner Meeting will feature an update on the CUREe Research Findings. A PD&D Seminar will be held on the same day. The first

part of the PD&D will cover the ATC-50 findings on Seismic Evaluation, Grading and Rehabilitation of Single-Family Wood-Frame Dwellings. Our own David Breiholz and Shafat Qazi of BQE, Inc. will present this session of the PD&D. The second part of the PD&D will include Ben Schmid’s review of the testing program results of wood frames sheathed with gyp lath and plaster. The dinner meeting and the PD&D will be of interest to all engineers in the business of wood structures.

I would like you to consider participating in the SEAOC Excellence in Structural Engineering Competition 2002. The idea behind this competition is to publicly acknowledge creative achievements and innovation in the structural engineering design. This program is an effective way to educate the public as to the

work of the Structural Engineer. The deadline for entries is Wednesday, March 27, 2002. Please see the separate handout in this newsletter for details.

STATE QUARTERLY MEETING

On January 19th, the State Board of Directors held its quarterly meeting. Mel Green, State President, provided the Board with his agenda of tasks to be accomplished this year. His two main goals are to organize the structure of the new state committees and to maintain our association financially through educational programs and publications. Please see Mel’s message in the *Plan Review* from the SEAOC website for additional details. Remember that you can download the *Plan Review* right from the website. I am pleased to see Mel creating a state committee to work on the code streamlining issue. One of the constant complaints we hear is how complex the present code can be for the design of a typical one- to three-story regular building. The goal of this committee would be to provide our membership with code provisions in one concise document for the typical low-rise buildings. This effort would not be a “simplification” approach or a reduction of the seismic standards. It would reorganize the process and information contained in the present code. Our own Seismology and Building Code Committees will be very much involved in this effort.

There are many interesting things going on in the association, and I encourage you to join a committee if you are not on one at present. In closing, I hope to see you at the March Dinner Meeting. Bring a guest and support our association.

Jack Bruce

President

2002 Student Scholarship Contributors

Many thanks to the following SEAOSC members and firms who contributed to the 2002 Student Scholarship program this year:

Thank You

Holmes & Narver, Inc.
R.M. Byrd & Associates, Inc.
Saiful/Bouquet Consulting
Structural Engineers
Smith-Emery Laboratories
URS Corporation
ABS Consulting/EQE
James Lai
LZA Group, Inc.
Martin & HBL

Kanda & Tso
Breiholz Qazi Engineering, Inc.
Englekirk & Sabol
Grossman & Speer Associates, Inc.
Johnson & Nielsen Associates
Martin & Huang International, Inc.
Morley Builders
SHA Coffman Engineers
Taylor Devices, Inc.

Calling All Volunteers

The SEAOSC Public Relations Committee is looking for volunteers to help develop multiple short electronic presentations to be placed on the SEAINT website under a tentative heading of: “**Buildings and Earthquakes**”.

Presentations will include PowerPoint slide shows and short video clips (30 seconds to five minutes). The intent of these presentations is to explain to the general public and news media why buildings behave the way they do during earthquakes (damaged, collapse, etc.) and what can be done to help prevent failures. The goal is to educate the general public by developing a world-class website with name recognition (SEAOSC) that they will turn to first to obtain reliable information, 24/7, regarding earthquake damage or other building disasters *from the experts in the building field, the Structural Engineers*.

The local media (newspapers and television) will be made aware of this site as information is added so they have access to use this information in news articles or incorporate the presentations in the evening newscast (video clips, etc.). The goal being to insure that the local, national and world media turns first to the structural engineers for answers in times of building disasters as opposed to other building design and construction professionals. The website will also allow SEAOSC to respond immediately to discuss future earthquakes as they occur.

Those interested in being part of this exciting committee and helping promote structural engineering, please contact Cecil Teoh at (213) 792-7217 or e-mail him at cecil.teoh@water.ladwp.com.

Vote YES on Prop. 42

Proposition 42, on the March California State ballot, requires that the sales tax on gasoline, a tax we already pay at the pump, be used to make our roads safer and to relieve traffic congestion.

That's it, plain and simple. No new taxes. No tax increases. Just a reliable, long-term source of funding to meet California's transportation needs, and keep our economy moving.

Prop. 42 will help meet the cost of fixing potholes and repairing dangerous roads, bridges and overpasses – improving and expanding transit services — upgrading interchanges and highways – speeding up delivery of ongoing traffic relief projects — just about everything to do with making California's transportation system better.

And that's why Proposition 42 is strongly supported by a wide-ranging coalition that includes Associated General Contractors of California, California Chamber of Commerce, California Taxpayers' Association, League of California Cities, California Business Roundtable, California State Automobile Association and California Organization of Police and Sheriffs, California Commuters Alliance and California Alliance for Jobs.

Odds are, you already know transportation in California is slow, and getting slower. But, here are just a few statistics you may not know:

- California has the worst roads in the nation.
- More than two-thirds (which is over 6000) of our bridges and highways are either structurally deficient or don't meet today's highway design/safety standards.
- A national ranking of most congested urban areas puts Los Angeles at the top, with the worst traffic in the entire country. San Francisco/Oakland is second,

San Diego is sixth, with Sacramento, San Jose and San Bernardino/Riverside all close behind.

What's worse, we have to pay for this mess:

- The state Department of Transportation estimates that congestion costs Californians \$7.8 million a day.



- Add to that the cost (which business often picks up) of cleaning up the roughly 418 tons of pollution that congestion creates, every day.

- And what we don't do today, we pay that much more for tomorrow. It costs four times as much to rebuild a road, once it's seriously damaged, as it does to repair it in the first place.

At the same time Prop. 42 can save money by relieving congestion, it also has the benefit of creating thousands of new jobs in construction, engineering and related services, and this at a time when we can really use new jobs.

Proposition 42 helps bring relief to our roads and highways by providing a dependable source of funding for transportation improvements. The gas sales tax should provide about \$1.3 billion a year.

Bottom line: Prop. 42 means safer roads, traffic relief and jobs, all without new taxes. To find out how you can help pass Proposition 42 in the March 2002 election, call Dana Rambo at Taxpayers for Traffic Relief, (650) 340-7048 or visit the campaign's website at www.YesProp42.com.

Advertisements

Li & Associates, Thousand Oaks, has openings for senior engineer, designer and drafter. Applicant must have three years design experience in steel, concrete, wood and masonry. Industrial, commercial and school experience required. Firm provides excellent compensation and opportunity to grow. Call Joe at (805) 495-3432. Fax resume to (805) 495-4083.

Small structural office has an opening for an independent drafter for a wide variety of projects, including schools, hospitals and custom homes. Please call

Paul at Piña Structural Engineering: (310) 372-9455 or fax (310) 372-6944.

Los Angeles County Public Works seeks structural engineer. Selection requirements: Graduation from accredited college and minimum three years professional engineering experience beyond the minimum required for the California License. Experience should include responsible charge of important engineering works including their direction, planning and design. <http://ladpw.org> or (626)458-2141.

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Structural Engineering Review Manual, 2001 Edition

The most comprehensive SE review manual, Edited by Ben Yousefi, SE and James Son, SE, just got upgraded to the **1997 UBC**. The manual (approx. 600 pages) contains complete problem statements and solutions (except LRFD and bridge) for the California SE exam years 1990-1995 (six years).

Problem statements and solutions have been extensively modified to reflect the new 1997 UBC provisions for such items as: **strength level base shear, redundancy, overstrength, load combinations, non-structural components, anchorage, concrete torsion and shear wall design, and steel moment connections per FEMA 350 guidelines.**

The manual, currently in its eight year of publication, is mainly intended for engineers preparing to take the SE exam. However, it is also a useful reference for a methodical approach to solving many types of practical engineering problems encountered by engineers on a daily basis. Applicable codes and text books, referenced by section and page number for each step of the calculations, substantially increase the efficiency for users.

In addition to the main manual a **brand new supplement** (approx. 100 pages) is also available this year covering 18 new problems in all areas . The cost for the main manual is \$175 and for the supplement is \$45; plus applicable taxes, shipping and handling. For more information, or an order form please call BYA publications at 800-566-2906 or contact us by email at byainc@aol.com.

P&D
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(#2)

BFL Owen

R e i s s -
B r o w n -
E k m e k j i

2002 SEAOSC Officers and Committee Chairs

Get involved! Members and interested parties are invited to join a SEAOSC committee. Contact the chairperson for information on current projects and meeting times, dates and locations.

SEAOSC Officers & Board Members

	Name	Phone	Fax	Email
President	Jack Bruce*	213-897-4092	213-897-3159	jack.bruce@dgs.ca.gov
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