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**SAN FRANCISCO, CA 94105-3411** 

415/974-5147

**MAY 2001** 

# A Message from the President

As you all know, your annual membership dues for our association make you a member of both the local association (in our case SEAONC) and the state organization, SEAOC. For most of our members, the majority of their direct interaction is with the local association, through the monthly newsletter and dinner meetings. seminars, committee work, etc. Interaction between individual members and SEAOC is less direct for the most part. As a result, from time to time some members have expressed uncertainty about what activities SEAOC performs to justify their portion of our annual dues. I thought I would take this opportunity to give you a little more information on the various activities of SEAOC on our behalf.

I can assure you that the "division of labor" between SEAOC and SEAONC is well balanced and makes for a properly functioning organization. During a meeting of the SEAOC Executive Committee (comprised of the Presidents of SEAOC, SEAONC, SEAOSC, SEAOCC and SEAOSD, the Past President of SEAOC, the Treasurer, and the SEAOC Executive Director) last year an outline of the allocation of program responsibility was established. The following responsibilities were established for SEAOC:

- Government relations with the Legislature and state regulatory/administrative bodies. This is becoming more of a major effort under the leadership of Executive Director Lee Adler. Lee is very active in tracking the progress of bills that could impact our membership, and advising the SEAOC President and Board when action is needed. Lee is also involved with the activities of BOPELS, the Seismic Safety Commission, the Building Standards Commission and other government agencies that relate to our profession.
- Publications. SEAOC publications include the member roster (which will finally become an annual publication in the near future), the quarterly SEAOC newsletter Plan Review, and various

Continued on Page 2

# May Program

# SUSTAINABLE ARCHITECTURE AND STRUCTURAL ENGINEERS

"Green design" was once relegated to the fringe of the building profession, but is now becoming a mainstream emphasis for architects. This has not yet been so for structural engineers, but the movement is likely to influence us as well.

Our speaker for May is Jason F. McLennan of Elements/BNIM Architects, based in Kansas City. As the founder and Director of Elements, Mr. McLennan leads that office's efforts to improve the environmental performance of projects while providing new strategies that are not only sustainable but also practical and cost effective.

Mr. McLennan will present case studies of his firm's work and describe the emerging sustainable design philosophy that guides its architectural practice. A discussion will follow of how structural engineering plays a role in this new integrated design approach with a focus on resource conservation.

As an emerging leader in the green architecture movement, Mr. McLennan has lectured on sustainability across the U.S. and Canada and his work in the sustainable design field has been published in several journals, conference proceedings and books. In addition to consulting on projects across the country, he is active in the movement to formulate guidelines that will set new standards for energy efficiency, daylighting, resource and water conservation, and human health and productivity.

He is a member of the Sustainable Buildings Industries Council, the American Solar Energy Society and the U.S. Green Building Council and teaches a Green Architecture series at the University of Kansas. He is also the founder of the Heart of America Green Builder program, which is being launched in 2001 to change the way buildings are built in the Kansas City metropolitan area.

# Remember to Vote!

Voting members, keep an eye out for your ballots for the 2000-2001 SEAONC Board of Directors. Ballots will arrive around May 10, 2001 and are due June 5th, 12 noon.

# **Meeting Notice**

# Tuesday, May 1, 2001

Assembly 5:45 Dinner 6:30 Program 7:30

# 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 noon Friday, April 27, 2001

# EXCELLENCE IN STRUCTURAL ENGINEERING COMPETITION 2001

Make your reservations today for the May 1st SEAONC Program. The entries for the Sixth Annual Excellence in Structural Engineering Competition will be on displayed the May SEAONC dinner meeting. This will include award entries from all of the SEA sections within California. The purpose of the award is to publicly honor creative achievement and innovation in structural engineering design, and to educate the public about contributions of Structural Engineers to the building industry and to public safety.

# A Message from the President

Continued from Page 1 technical and professional practice documents generated by SEAOC committees, most notably our famous "Blue Book". These documents are all provided free as part of our membership dues.

- Seminars. SEAOC established a very successful seminar program for the Seismic Design Manual documents that will continue as new volumes are published (you can expect such a seminar this summer). SEAONC member Constantine Shuhaibar is leading this activity.
- Annual Convention and Trade Show. This years' event in San Diego will be the 70th annual SEAOC convention. The conventions are noted for their technical programs, fellowship and as an all around good time. If you have not had a chance to attend a convention, this September in San Diego would be a great time and place to start.
- SEAOC Awards Program. The recently established SEAOC awards program has become a great success, highlighting the excellent work of our membership. The state wide awards are presented at the annual convention.
- **SEAOC Web site**. Recently updated, improved and continuously maintained, SEAOC's web site now attracts many thousands of "hits" per month. It has a

- great deal of useful information for our members and for the public. Check it out!
- Technical committees. The backbone of this effort over the years has been the SEAOC Seismology Committee. The model of volunteerism, the Seismology Committee is an important participant in shaping seismic design policies for our building codes and standards. Other committees, such as the Building Code, Existing Buildings and Professional Practices, also provide important contributions to the membership.
- Surveys. State wide salary surveys have been performed over the past few years to help track salary trends. Needs/satisfaction surveys are also performed on an intermittent basis (the last one being a few months ago) to ensure that the organization is in step with the desires of our members.
- Special projects. A number of funded projects of general interest to the membership have been administered and/or managed through the SEAOC office. The most famous of these would be the SAC Steel Project that completed its' six year run last fall. Other projects have been completed with the Seismic Safety Commission.
- Relations with other organizations and appointments to committees and boards. Because of its' eminence in the community, SEAOC has been given

- standing positions on numerous com mittees and boards of various organizations (BSSC, ATC, NCSEA, CUREE, etc.). The state organization takes the lead in making these appointments and interacting with the various national organizations.
- General liability, and officers insurance coverage for both the state and local associations.
- SEAOC Board. The state board meets on a quarterly basis, with Executive Committee meetings between the main meetings. The SEAOC board deals with state wide and national issues that affect our members, and any interactions that need to occur between the local associations. The board also oversees all of the other activities listed above and helps guide the future direction of the association.

These are just a list of the general areas of activity by the state wide association on our behalf. I hope you will agree that this is an extensive list and well worth its' portion of our annual dues. If you believe that there are other areas that should become a focus for SEAOC, or have other comments regarding your expectations of SEAOC, please let me know, and I will pass them along to Lee Adler and SEAOC President Bob Hendershot.

- James Malley, President

# ATC-20 TRAINING

SEAOC is attempting to determine how many of our members have participated in ATC-20 (*Post Earthquake Safety Evaluation of Buildings*) training. Please send an e-mail indicating:

- 1. Have you had ATC-20 training? If so, would you like to be re-trained if offered?
- 2. If you have not had the training, would you like to be trained?

  Send responses to: agron burkhardt@

Send responses to: aaron.burkhardt@kpff.com

Please also include any questions you may have and we will respond to them. Thank you for taking the time to read and respond to this request.

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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# TWO FEMA REPORTS AVAILABLE

ASCE, under a cooperative agreement with the Federal Emergency Management Agency (FEMA), has completed a project to update and convert FEMA 273 -NEHRP Guidelines for the Seismic Rehabilitation of Buildings, and the related FEMA 274 NEHRP Commentary, into a mandatory language pre-standard, FEMA 356 - Pre-standard and Commentary for the Seismic Rehabilitation of Buildings. FEMA 356 is now available for use. The completion of the pre-standard is the first step in turning FEMA 356 into an ASCE/American National Standards Institute (ANSI) approved national consensus standard. In the process, recent research results and technical advancements have been incorporated into the prestandard when deemed appropriate by the project team and approved by the ASCE Standards Committee on Seismic Rehabilitation.

Users of FEMA 356 need to be aware that the ASCE Standards Committee on Seismic Rehabilitation of Buildings have unanimously voted to accept this pre-

standard as the basis of a voluntary consensus standard, which, upon its completion, will be suitable for reference by building codes and inclusion in contracts. In early 2001, the Standards Committee began committee balloting on the document to be followed by an open public ballot period. To participate in the formal standard development process either as a member of the Standards Committee or as part of the Public Ballot process, interested parties are encouraged to contact ASCE's Standards Coordinator, Kim Brubaker, ASCE, 1801 Alexander Bell Drive, Reston, VA, 20191.

Additionally, FEMA 357 - Global Topics Report on the Pre-standard and Commentary for the Seismic Rehabilitation of Buildings, is now available. This report documents the nature and rationale for the technical changes made in conversion of the Guidelines into the Prestandard. Free copies of both FEMA 356 and FEMA 357 are available from the FEMA Distribution Center at 800/480-2520.

# **Committees on Assignment**

# **Business Forum**

# MAY LUNCHEON MEETING

Date: May 17, 2001

Time: Board Meeting: 11:00 am-12:00

noon, Lunch/Program: 12 pm-

1:30 pm

Place: City Club, 155 Sansome Street,

San Francisco, Wine Room

Speaker: James Mayock

Topic: Immigration Law - HIB, LCI,

Green Card and Nationalized

Citizens

Cost: \$20.00 Business Forum Member

\$35.00 Non-Business Forum

Member

RSVP: Make reservations by calling the

SEAONC office at 415/974-5147

by Monday, May 14, 2001

James Mayock is a partner with the immigration law firm of Elliot & Mayock LLP, which has offices in San Francisco and Washington, DC. The firm practices the full range of immigration law and specializes in employment-based immigrant and non-immigrant visas.

James Mayock leads one of the few law firms that offers significant expertise with the entire gamut of immigration opportunities and challenges. From rapid processing of E, H and L business visas, to finding shortcuts to the onerous Labor Certification process, Elliot & Mayock makes the hiring of international personnel a competitive advantage. The firm also specializes in facilitating business visa issuance abroad, having resolved problem cases at US consular posts throughout Europe, Asia and Latin America.

# Public Affairs and Membership

REBUILDING TOGETHER

by Regan Bramblett, Rebuilding Together Treasurer

Thank you to everyone who responded to our April requests for contributions! We

not only reached our promised sponsorship of \$4000, we exceeded it by accepting \$5200 in donations from SEAONC members and their firms! Contributions were used to purchase tools and materials for the project this year. We gratefully acknowledge the support of the following contributors this month:

> Gene St. Onge & Associates Degenkolb Engineers MKM & Associates E. G. Hirsch & Associates

We want to thank everyone who came out as a volunteer to help Ms. Gladys Baltodano on April 21 and 28. Since this newsletter went to press before the event, look for an article next month with the names of all donors and volunteers who made Rebuilding Together 2001 possible.

# Continuing Education

# SPRING 2001 SEMINAR WRAP-UP: FOUNDATIONS

by Jacqueline Bassett, Chair

The Spring 2001 Seminar was held at the PG&E Auditorium on March 14th and 21st. Approximately 250 people were in attendance. The seminar consisted of presentations by six different speakers, three speakers each evening. The speakers presented several different aspects of foundation design and analysis. Vendors were also available during the registration hour and the break to provide information on foundation-related products and services.

Michael Valley of Skilling Ward Magnusson Barkshire opened the seminar on the first evening with a presentation on Performance Based Design of Foundations. He was followed by Dots Oyenuga of AMEC Earth & Environmental, who discussed Soil-structure Interaction. The third speaker of the evening was Mark Freitas of Geomatrix Consultants, who presented Deep Foundation Systems.

The second evening began with Fadel Alameddine of Caltrans discussing Foundation Rocking from a Bridge Perspective. The second speaker was Mike Traubenik of Geomatrix Consultants, who presented Soil Improvement Techniques. Finally, Tim Mathison of SOHA Engineers presented the Design and Construction of Underpinning Systems.

Many thanks to all of the speakers for their informative presentations, and thanks to the Continuing Education committee members for their help in planning the seminar: Howard Zee, Marci Uihlein, Reina Farah, C.S. Hwang, Troy Morgan, Julia Hunting, Taryn Williams, John Wen, Constantine Shuhaibar, Scot Listavich, and Berta Rodriguez. Great job!

The Summer 2001 Seminar has been tentatively scheduled for August. Watch for more information on the seminar in the coming months.

# Website

# WWW.SEAONC.ORG

by Carrie Bischoff, Chair

SEAONC and the Web Site Committee are currently working with Tommy Dew Designs, Inc. to redesign the SEAONC website: www.seaonc.org. We will be giving the site a brand new look and expanding it to include online application forms, committee postings, information on

structural engineering for the public, and much more. We expect the site to go "live" in early June so look for more announcements during the coming months. Anyone interested in participating in visual or content design for the new website should check out the current site (at www.seaonc.org) and contact the Web Site Committee c/o Carrie Bischoff at cbischoff@degenkolb.com for more information.

# SEAONC SCHOLARSHIP FUND CONTRIBUTORS

A special thanks to the following companies and individuals who have recently contributed to the SEAONC Scholarship Fund! Over \$19,000 has been

collected so far. If you have not already done so, please consider making a contribution so that we can add you to this auspicious list.

Contribution Level: \$1000 to \$1999 Simpson, Gumpertz & Heger Contribution Level: \$500 to 999 Murphy Burr Curry, Inc RMJ & Associates SOHA Engineers

Contribution Level: \$100 to \$499 A. J. Miller & Associates Ram International Repeat Full Page Ad

# Bulletin Board

# MEMBER IN THE NEWS

# Cecil H. Wells Jr., & Associates Inc. 40th Anniversary Celebration

Cecil H. Wells Jr., & Associates Inc. recently celebrated Richard A. Holm, SEAONC Member SE, their current President's 40 year anniversary with the firm.

Employees, friends and families participated in the celebration.

The company and Mr. Holm wish to thank and acknowledge all of those in the engineering and construction industry who have supported and contributed to the long lasting and continuing success of the company.

# Van Dyke to Open Sonoma County Office of Tuan and Robinson, SE

Tuan and Robinson, Structural Engineers, Inc. is pleased to announce that SEAONC Member SE, Jeffrey M. Van Dyke, has joined the firm as an Associate and will open a new branch office in Healdsburg, CA. Jeff has over 15 years of experience from previous employment with John Coil in Southern California, SOHA Engineers in San Francisco, and Summit Engineering in Santa Rosa. Jeff specializes in the design of new buildings and the seismic rehabilitation of existing

buildings, including many historic structures. Jeff can be contacted at 347-B Healdsburg Avenue, Healdsburg, CA 95448; Phone: 707/433-2506; Fax: 707/433-2465. Member SE's, Eugene Tuan and Alan Robinson continue to manage the San Francisco office at 221 Main Street, Suite 545, San Francisco, CA 94105; Phone: 415/957-2480; Fax: 415/957-2483. Tuan and Robinson, Structural Engineers, Inc. is certified as a Minority Business Enterprise (MBE) in San Francisco.

# CALL FOR PAPERS

# 2001 SEAOC Annual Convention

The Structural Engineers Association of California issues this Call for Papers to be presented at its 2001 Annual Convention, held at the Loews Coronado in San Diego, California. The dates of the Convention are Wednesday, September 26 through Saturday, September 29.

It is anticipated that the technical program will be composed of papers in the following areas:

### **Practical Design**

Papers of this type will focus on information that can be readily utilized by structural engineers in day to day design. Pertinent topics would include (but not be limited to) the design or retrofit of buildings, bridges, marine structures,

tanks, and towers.

# Research/New Methods/New Application

These paper will focus on recent research with application to structural engineering, new methods of analysis, and the use of new materials or new applications of traditional materials.

### **Business**

These paper will discuss the business of structural engineering and could address any of the following issues: new markets, liability, fees, human resources, insurance, publicity, or professional services.

Interested parties should fax a brief (300 words or less) abstract of their paper before May 1, 2001 to:

Eric Lehmkuhl
Technical Program Committee
2001 SEAOC Convention
KPFF Consulting Engineers, Inc.
3131 Camino Del Rio North, Suite 1080
San Diego, CA 92108
Phone; 619/521-8500
Fax: 619/521-8591

Authors will be notified of acceptance by May 21, 2001 and papers ready for publications will be due around July 1, 2001. Authors will be provided with detailed guidelines for publication Continued to Page 6

# April Meeting Wrap Up

# MAGNIFY YOUR REACH

by Richard Weingardt

For those of you who missed April's program, you can read about what you missed in Richard Weingardt's book, "Forks in the Road – Impacting the World Around Us." Mr. Weingardt left a copy with us to be placed in the SEAONC library. Anyone wishing to check this book out may stop by the SEAONC office to review the publication.

Mr. Weingardt's talk, which focused on how engineers can increase their public recognition, was followed by a lively question and answer session. Certainly we can pat ourselves on the back for our involvement in programs like Rebuilding Together and The Engineers Alliance for the Arts, but we can do more. Mr. Weingardt left a list of some practical things we can each do. Richard Weingardt is the CEO of Richard Weingardt Consultants, Inc., a Denver, Colorado-based consulting engineering firm founded in

1966.

Two Dozen Items Individuals, Companies and Associations Can Do to Enhance the Image and Visibility of the Structural Engineering Profession.

# A. Individuals

- 1. Get involved in your community
- 2. Befriend editors and reporters
- 3. Write for mainstream publications
- 4. Improve your communication skills
- 5. Participate with civic speaker bureaus
- 6. Lecture at schools and colleges
- 7. Serve on boards and commissions
- 8. Be active on college advisory councils

# B. Companies

- Have a quality brochure, logo, stationery
- 2. Produce a regular company newsletter
- 3. Create a community service event
- Enter projects in design excellence competitions
- 5. Do news releases about projects and

employees

- 6. Mail out reprints of published articles
- Advocate qualifications-based selection methods
- Support worthy politicians and public policy

# C. Associations (SEAONC)

- Provide directory of members to the media
- Fund public relations/advertising campaigns
- Sponsor seminars on "how to" build image
- Expand design excellence awards programs
- Present annual awards to media personalities
- Prepare op-ed pieces for use by members
- Publish an association magazine and video
- Educate journalism students about engineering (while they are still in college)

# **Bulletin Board**

Continued from Page 5

# **ANNOUNCEMENTS**

# **Seminar on Earthquake Regulations**

Don't Miss Out! Last Chance for This Repeat Performance! Reserve May 2, 2001 Now!

ICBO and NCSEA, in cooperation with S.K. Ghosh Associates, Inc., will be presenting a seminar on the earthquake regulations of the 1997 *Uniform Building Code* on May 2, 2001 at the Holiday Inn Bay Bridge Hotel in Oakland, CA from 8:00 am to 5:00 pm. This intensive one-day seminar will focus on the following code provisions:

- Basis for Design Seismic zones, nearfault effects, site geology, structural systems, system redundancy,
- Design-related Effects Vertical force distribution, torsional effects, story drift, deformation compatibility, vertical acceleration effects and building separations,
- Elements of Structures, Nonbuilding Structures – Lateral force procedures

This seminar will be presented by two of the following speakers:

- Dr. S.K. Ghosh, President, S.K. Ghosh Associates, Inc., highly acclaimed speaker and author on seismic-related issues and concrete design.
- Gerald Neville, ICBO Seminar Services, instructing seminars for structural provisions of building codes since 1971.
- Susan Dowty, S.E., S.K. Ghosh Associates, Inc., prior ICBO staff liaison during the development of the 1997 UBC Seismic Provisions.

The registration fee is \$235 for SEAOC/ICBO members and \$285 for nonmembers. For more information and to register for this seminar (Seminar 109), visit ICBO's website at www.icbo.org or call 800/423-6587 x3418.

The seminar location is: Holiday Inn Bay Bridge (Oakland), 1800 Powell St., Emeryville, CA 94608, Tel: 510/658-9300.

# AISC Seismic Provisions Supplement No. 2 Now Available

Supplement No. 2 of the AISC Seismic Provisions for Structural Steel Buildings has been completed and is available for download from the AISC website. This supplement supersedes the preceding Supplement No. 1. The address for download is: http://www.aisc.org/documents/Eng\_SeismicSupplement No2.pdf.

# Posting for Membership

### MEMBER SE

Keith Abey

Project Engineer, GFDS Engineers Walterio Lopez

Project Engineer, Rutherford & Chekene

Jess McInerney

Project Manager, Watry Design Group Omar Waqfi

Principal Engineer, EQE International Jay Yin

Structural Engineer, Rutherford & Chekene

### **MEMBER**

**Edward Adamson** 

Project Engineer, Weir Andrewson Associates, Inc.

Conor Coburn

Associate - P.E., Structural Engineers, Inc.

Kathryn Goede

Design Engineer, ZFA Structural Engineers

Gennady Korensvit

Senior Project Engineer, Structural Engineers, Inc.

Shalva Marjanishvili

Project Engineer, Quest Structures

Martin Oman

Project Engineer, Nishkian Menninger Mark Sarkisian

Associate Partner, Skidmore, Owings & Merill LLP

Valeri Tzanov

Project Engineer, Weir Andrewson Associates Inc.

### **ASSOCIATE**

Ramiro Adeva III

Engineer, URS

Mereoni Bola

Staff Designer, Watry Design Group Nora Jordan

Structural Designer, Jakaby Engineering

Svetlana Khaykina

Engineer, Nabih Yosset

Stephanie King

Associate, Hart-Weidlinger

Susan Lyon

Project Manager, Watry Design Group Eduardo Miranda

Assistant Professor, Stanford University

Laura Pate

Assistant Engineer, Biggs Cardosa Associates

### **AFFILIATE**

Juliet Anderson

Financial Advisor, UBS/PaineWebber

### CORRESPONDING

Douglas Kennedy

President, Kensoc Engineering Ltd.

# Job Forum

Ahearn, Knox & Hyde have an opportunity for a good entrepreneurial type S.E. with an interest in a career change that would track toward attainable participation in future shared ownership. Established in Silicon Valley for the past thirty years, we are looking for the right person who wants more than just employee status in their future. Control your own career potential. If interested in the possibility of joining us send your résumé to Ahearn, Knox & Hyde, Inc., 1505 Meridian Ave., Suite B, San Jose, CA 95125, or e-mail: ahearn@akhse.com.

Immediate Openings: Civil and Structural Engineer. **Bevier Structural Engineering**, a Sacramento, California based firm has immediate openings for senior and mid-level engineers who can assume leadership and responsible roles. Projects include schools, hospitals, commercial, and industrial buildings. Our firm offers excellent opportunities for growth and advancement for civil and structural engineers with building design experience. We offer a competitive compensation and benefits package as well as a positive work environment. California CE or SE license preferred. Please fax or e-mail résumés to: Bevier Structural Engineering, phone 916/631-3030, fax 916/631-8996, e-mail: bill@bevier. net

Biggs Cardosa Associates has immediate openings for various levels of structural engineers in San Jose, San Francisco, Fresno and Eugene (OR). Come work for a leading and fast growing structural engineering firm on either building or bridge projects. Please check our web site for full details: www.biggscardosa.com. You can also send your résumés to Biggs Cardosa Associates, Inc. 1871 The Alameda, Suite 200, San Jose, CA 95126, or by e-mail through our web site. EOE

Degenkolb Engineers, has opportunities for engineers to join our creative, enthusiastic, motivated team. Recognized leaders in seismic engineering, our firm offers a diverse, challenging mix of projects on both new and existing structures. Our firm growth is rooted in the career development of our engineers to leadership positions. Bay Area offices are located in downtown San Francisco and Oakland, adjacent to BART. Regional offices are located in Los Angeles and Portland. Our benefits package is unsurpassed in the industry. Openings are available at all levels and all locations. Minimum requirements are MSSE, excellent communication skills, and a desire to work in a challenging, collaborative environment. For more information, visit our web site at www.degenkolb.com. Submit cover letter, résumé and references via e-mail or to Degenkolb Engineers, 225 Bush Street, Suite 1000, San Francisco, CA 94104-4207. EOE

**DES Architects** + **Engineers**, a leading mid-Peninsula A/E firm, seeks Structural Design Engineers with CE or SE license, minimum 5 years experience in wood, steel, concrete and masonry. Projects include schools, hospitals, corporate campuses, etc. Competitive salary and complete benefit package. Send résumé with intro letter

Continued on Page 7

Continued from Page 6 and salary requirements to DES, PO Box 3599, Redwood City, CA 94064. Fax to 650/364-2618, Attn: Niki Hithe or e-mail to jobs@des-ae.com. Visit our website at www.des-ae.com.

Outstanding engineers with excellent communication skills sought by award-winning **DeSimone Consulting Engineers** in San Francisco. We are seeking ambitious individuals, from entry-level to Senior Project Managers and MSSE's, for the design of multi-story buildings. Our office is directly adjacent to BART and MUNI. A successful and growing firm, DCE also has offices in New York & Miami. For more information on DCE and a general overview of our project mix, visit our website at www.de-simone.com. Join our exceptional team of professionals! Send your introduction letter and résumé to Mr. Ted Canon, DCE, 10 United Nations Plaza, Suite 410; San Francisco, CA 94102.

EQE has immediate openings in Oakland office for engineers at various levels of exp. Seeking Project Manager with min. 10 years exp. in structural/seismic design and analysis of buildings (concrete exp. preferred) verbal/writing and business development skills, and S.E. lic. Also seeking engineer with 3-5 years exp. in analysis and design (P.E. preferred). Send résumé to: EQE International, Attn: Ken Mark, 1111 Broadway, 10th Floor, Oakland, 94607 or e-mail to kmm@eqe.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.

Interactive Resources (www.intres.com) offers competitive compensation & benefits, ongoing career development, interesting projects, and a unique firm culture in a great historic coastal town in the East Bay. We also offer ownership potential. Registered PE minimum, SE preferred. CA/West Coast experience necessary. See our website for more information. Send résumé to 117 Park Place, Point Richmond, CA 94801. Fax: 510/232-5325.

MKM & Associates of Santa Rosa, CA seeks engineer with minimum 2 years experience with emphasis in timber construction in residential & commercial low-rise buildings. Salary with Bonus considerations dependent on experience & availability to start. Excellent benefits. Please fax résumé to 707/578-7153 or e-mail office1@ mkmassociates.com.

**Nishkian Menninger** seeks experienced registered structural engineer with 10 or more years experience in various types of structures; office buildings, high rises, schools, multiple-tenant

residential & other commercial projects, garages and seismic rehab. Résumé & salary requirement to: 510 Howard Street, San Francisco, CA 94105 or e-mail: levon\_n@nishkian.com.

Rinne & Peterson, a medium sized Structural Engineering firm, seeks self motivated, self-starter engineers with effective communication skills from Entry-Level through Senior-Level to work on a wide variety of challenging projects. This is an opportunity with long term growth potential. Ongoing professional development is encouraged and supported. Generous employee benefits including flexible work schedules, great staff, and a very desirable work environment. Send résumé and ref. to: Human Resources, 1121 San Antonio Rd., Suite C200, Palo Alto, CA 94303-4311; fax# 650/428-2861; e-mail: sharonberman@rpse.com.

Rutherford & Chekene is currently offering outstanding career opportunities to engineers and Cad drafters with all levels of experience in both our San Francisco and new Oakland offices. In addition to our generous benefits package, we offer the opportunity to learn from some of the best engineers and Cad professionals in the Bay Area while working on exciting projects - all in a supportive office environment. If you wish to learn more, contact Peter Revelli at: Phone: 415/495-4222, Fax: 415/546-7536, or E-mail: prevelli@ruthchek.com. Also visit our web site at www.ruthchek.com.

Rutherford & Chekene is also seeking licensed CE's and SE's for a challenging 8-12 month forensic engineering project. Position requires 2 days/week in L.A., but offers flexible schedule, generous compensation, and perks. Candidates must be detail-oriented and capable of independent thought, with excellent critical thinking and communication skills. Wood frame residential experience a plus, but no substitute for a sharp mind. Perfect transition job for self-motivated engineers seeking a change of pace. Full time commitment preferred. Contact Peter Revelli or David Bonowitz at: phone 415/495-4222, fax 415/546-7536, e-mail: prevelli@ruthchek.com or dbonowitz@ruthchek.com.

Simpson Gumpertz & Heger Inc. (SGH), founded in 1956 by three M.I.T. professors, is a growing and dynamic consulting engineering firm with \$20M in gross revenues, a staff of 170, and offices in Boston, MA, San Francisco, CA, and Washington, DC. SGH has an international reputation in design, investigation, research and development of structural and building envelope systems, mechanical components, and materials. The variety of our expertise enables the firm to undertake investigative, research, and design projects of a complex and unusual nature. We seek creative, enthusiastic, motivated individuals for positions in all three offices. We offer an excellent compensation and benefits package in a corporate culture based on learning and growth. At SGH you'll gain the strength of our reputation and the creativity of diverse and complex projects. To learn more about SGH, please visit our web site at www.sgh.com. We are an equal opportunity employer and value the diversity of our workforce. Please forward your résumé and letter of interest to Dept. LAS, SGH, 297 Broadway, Arlington, MA 02474; FAX 781/643-2009; e-mail jobs@sgh.com.

Structural Design Engineers seeks staff/project structural engineers with experience in wood, masonry, concrete and steel design. Min. 4 years experience. MS and C.E. license preferred. Computer analysis skills important. Send résumé to: Structural Design Engineers, 120 Montgomery St., Suite 1410, San Francisco, CA 94104.

Sverdrup Civil, a major nationwide multi-discipline professional services firm, is seeking a structural engineer with a CE license and a BSCE in Civil Engineering. A Master's degree in structural engineering is preferred. Experience with an IBM PC is desirable. Good communication skills and the ability to work with peers and clients is required. A minimum of 3 years experience desired. Candidate should have an interest in proceeding into management. Our office is conveniently located next to the Pleasant Hill BART Station. Please send résumé to: Personnel Manager, Sverdrup Civil, Inc., 1340 Treat Blvd., Suite 208, Walnut Creek, CA 94596. EOE WKW

URS, a leading professional engineering and environmental consulting firm, is seeking Structural Engineers for its San Francisco office. With over 16,000 employees worldwide and a staff of 650 in the Bay Area, URS is one of the world's most diverse and fastest growing architectural and engineering companies. We offer a broad range of exciting worldwide project opportunities in Facilities Design, Surface Transportation Design, and Aviation Facilities Design. We are seeking Civil/Structural engineers to join our team in San Francisco. The positions require a BSCE, with MSCE preferred. We are seeking qualified candidates at all levels, from entry level to 20+ years of experience. Training and/or experience in building design, seismic analysis, seismic evaluation, retrofit design, and production of structural design documents is preferred. Candidates must be familiar with California Building Codes. We offer a competitive salary/benefits package. Send résumé with salary history to URS, Human Resources – SSE, 100 California St., Suite 500, San Francisco, CA 94111 or e-mail to Barbara\_Noel@urscorp. Equal Opportunity Employer.

Watry Design, Inc. which is located in the San Francisco Bay Area, is in search of highly motivated engineers to join our rapidly growing team. Watry is a full service Architectural/Engineering Firm specializing in the design of large concrete structures, including high-rise hotels and apartments as well as award-winning parking structures. This position offers the right individual an opportunity to play an integral role in the design of multi-million dollar projects with a firm that fosters a cohesive family like environment. The applicant must possess a B.S. in Structural Engineering (or equivalent) with a P.E. or S.E license being highly desirable. A background in the design of concrete and post-tensioned structures, strong computer skills, and excellent communication skills are beneficial. If you would like further information regarding the Watry Design,

Continued on Page 8

### Continued from Page 7

Inc., please visit our web site at www.watrydesign.com. Submit all résumés to: Watry Design Inc., 815 Hamilton Street, Redwood City, CA 94063 attn: Julie Snaman or you can send electronically to: jsnaman@watrydesign.com.

Move to beautiful wine country and 'grow' your career at the same time! ZFA Structural Engineers in Sonoma County seeks four engineers of varying levels of experience for our busy and growing Santa Rosa office: 1) We are currently seeking an S.E. with extensive wood experience to help co-manage our Schools project area. Definitely a plus for School / DSA experience. This is a key position with Management and Ownership potential! 2) ZFA is also seeking to hire two engineers with 1-3 years experience working with a variety of materials to join our Commercial/Public projects team and our Residential/Light Frame project team (wood experience a must). The Commercial project area will also consider an extra sharp entry-level engineer. 3) We are also ready to hire an engineer with 3 -5 years experience to work with our Wineries / Industrial projects team. This person should be interested in working with a variety of both projects and materials. Leave the 'grind' and commute behind and enjoy a great life-style and career by joining ZFA. Excellent profit-sharing, vacation and benefits package. See our website at www.zfa.com. Please E-mail résumé w/ cover letter to: MichaelD@zfa.com.

All Structural Consulting Engineers, Inc., a small and dynamic design company is looking for a young, energetic, licensed engineer, having the opportunity to gradually take over the company over next two years. All Structural designs a large variety of structures. Please send résumés to All Structural, 388 Martin Avenue, Santa Clara, CA 95050 or E-mail to allstruc@pacbell.net

Arup, a leading international engineering consulting firm, has several immediate opportunities for enthusiastic and self-motivated structural engineers in our San Francisco office. We are seeking experienced engineers to work on a variety of exciting and challenging projects. Positions require a master's degree with a minimum of 4–7 years' experience. Professional registration is preferred. We offer a dynamic working environment with excellent compensation and benefits. Please send resumes and cover letters to: Ove Arup & Partners, HR Manager #806, 901 Market Street, Suite 260, SF, CA 94103, or fax to 415/957-9096, or e-mail to sf hr@arup.com

ATI Architects and Engineers, a dynamic Bay Area company, is expanding and looking for Structural Engineers and CADD Operators to accommodate our many new and exciting projects. If you enjoy working in an environment committed to excellence then we want to talk to you. 5 years of experience with timber, concrete, steel. PE/SE licenses desired. Diverse projects in commercial, residential, educational and telecommunications. Top \$\$\\$+\ \text{ incentive bonus program for top candidate.} Excellent working environment, long term stability/career growth. Please fax to

925/648-8811 or e-mail to dflottman@atiae.com. Please reference response with #JobSEA2

DASSE Design Inc. seeks Project Engineers for its SF and Oakland offices to work on exciting, high profile projects for top architects in high tech, public, education and health care markets. Career growth opportunities with potential for rapid advancement. Minimum preferred qualifications are: MSCE, PE license, and 4-10 years of relevant design (new and retrofit) experience and the desire to grow in a collaborative environment. Come join our team of enthusiastic, talented professionals. E-mail résumés to andrews@dasse.com. Learn more on our website at www.dasse.com.

Holmes Culley Consulting Structural Engi**neers** is offering stimulating opportunities for engineers at all levels of experience interested in working on exciting and elegant structural engineering designs for building projects both in the local San Francisco Bay Area and around the Pacific Rim. Culley Associates Inc., a long time established structural engineering Consultancy in San Francisco has recently merged with the Holmes Consulting Group of New Zealand to form Holmes Culley in San Francisco. We are offering competitive salaries with excellent benefits for creative engineers who enjoy working in a relaxed and friendly atmosphere. We also offer long term growth opportunities with a firm with international exposure known for the implementation of cutting edge technologies in structural design. Engineers with good communication skills and a minimum of 3 years experience are preferred. Please send résumés to the attention of Richard C. Dreyer, Holmes Culley, 130 Sutter Street, San Francisco CA. 94104 or e-mail to ddreyer@holmesculley.com.

Jakaby Structural Engineers-has immediate openings for entry level and higher structural engineers, designers and CADD operators. Projects include steel frame office, concrete tiltups, industrial facilities, seismic upgrades, small bridges, custom homes and modifications to existing buildings. We are a small growing firm with challenging projects. Upcoming projects include 2-story STMF office buildings. Excellent salary, medical & retirement plan. Website: www.jtjse.com, Mail: Jakaby Structural Engineers, 4950 Hamilton Avenue, Suite 204, San Jose, CA, 95130. Fax: 408/374-5911.

LEE Incorporated, Consulting Engineers, since 1976, seeks all levels of Engineers for our San Jose and San Francisco offices. The positions are for Design and construction Management of Water/Wastewater Facilities. Please send letter of interest and résumé to one of the following: dsgnbld@leeincorporated.com; fax to 415/421-6762 or 408/885-9020; 25 N. 14th Street, Suite 880, San Jose 95112.

MBA Structural Engineers, Inc. seeks project structural engineers with 3 yrs. min. experience. Tired of the commute? Come join us in downtown Walnut Creek in our growing, professional office environment. We offer a strong compensation package, including flexible hours, bonuses, and full family medical coverage. Send your

résumé to 1717 N. California Blvd, Suite 2A, Walnut Creek, CA 94596, or fax to 925/933-6140, or e-mail to mbaeng@pacbell.net.

**qServe Communications** is currently seeking a registered structural engineer to open a new office in the San Francisco area. Candidate should have excellent work history and ability to lead a group. Send information, with salary history, to bmoore@qserve.com

SOHA Engineers offers excellent career opportunities for experienced Project Managers and Principal Structural Engineers, 10-15+ yrs experience in building design. SE License. Offers stability, great learning environment, career growth opportunity. Must have excellent verbal and written communication skills, good technical skills, ability to work with clients, team player with interest in working in a fun and technically challenging environment. Résumé with cover letter to: SOHA Engineers, c/o S. Hom, 550 Kearny St, Suite 200, SF, CA 94108, or FAX 415/989-9909. E-mail: shom@soha.com

SOHA Engineers seeks experienced Bridge/Transportation engineer to specialize in the degrowth opportunities. Must have good technical terest in working in a fun and technically challenging environment. Résumé with cover letter to: SOHA Engineers, c/o S. Hom, 550 Kearny St, Suite 200, SF, CA 94108, or FAX 415/989-9909.

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

# NEW OSHA RULES TO — AFFECT STEEL DESIGN.

The design, detailing, fabrication and erection of steel structures will be affected by the new regulations in OSHA Safety and Health Standards for the construction Industry, 29 CFR 1926 Part R Safety Standards for Steel Erection. These new Standards were signed into law on January 18, 2001 and become effective on July 18, 2001. A full review of the regulations can be obtained from OSHA's web site at http://www.OSHA.gov. On March 12, 2001 an AISC Advisory was issued on the new regulations, giving a brief overview of several affected areas. The Advisory's primary intent was to inform the steel fabricators and detailers, but a few key design issues were noted as well.

It would seem prudent to review the new regulations for potential changes to your firm's design practices. Steel industry firms or trade groups may also be sources of information. For example, Vulcraft can be contacted if your project has steel joists.

Computers and Structures New Display Ad

# Registration

# SEAONC MONTHLY MEETING

MAY BUSINESS FORUM
17 LUNCHEON MEETING

5:45 РМ

page 3

# Structural Engineers Association of Northern California May 1st SEAONC PROGRAM

General Assembly	NAME		
6:30 PM Dinner	COMPANY		
7:30 PM Program	ADDRESS		
	CITY	ST	TATE ZIP
"Sustainable Architecture & Structural Engi- neers"	PHONE	FA	λX
	RSVP by fax to: 415/764-4915 or phone: 415/974-5147 Make check payable to <i>SEAONC</i> and bring with you to the door.		
Location: The City Club 155 Sansome Street, 10th Floor San Francisco	Deadline for preregistration: 12 noon, Friday, April 27, 2001  Dinner and program reservations are limited to 180. Register early! No cancellations after 12 noon, Friday, April 27, 2001. 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 Street Exit, San Francisco	COST: SEAONC Member Junior Mbr (34 and under) Non-Member Student	□ \$32	LATE REGISTRATION  □ \$37 □ \$33 □ \$40 □ \$15

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