



The American Society of
Mechanical Engineers

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ASME San Francisco Section

Newsletter

October
1993

October Dinner Meeting

Speaker: Jim Roberts
Caltrans Division of Structures

Date: Tuesday, October 26

Time: 6:00 No-host cocktails
7:00 Dinner
8:00 Program

Place: Holiday Inn, Emeryville
1800 Powell Street, Emeryville
Located directly west of I-80
at the Emeryville exit

Cost: \$ 21 Members
\$ 23 Non-Members
\$ 10 Students

Menu: Chicken Florentine
or Sea Bass

RSVP: S.F. ASME
(415)721-4478
by Friday, October 22

Cypress Structure: Failure, Recovery and Rebuilding

The Cypress Structure of Interstate 80 was destroyed during the Loma Prieta Earthquake in October 1989. Mr. Roberts will present an overview of what caused the Cypress Structure to fail under that 7.1 Richter force and will also discuss the Cypress Replacement Structure. A peer Review Panel was initiated by Mr. Roberts to evaluate the new design, recently approved for construction. The Cypress Replacement Project, a \$695 million project funded by Caltrans, will be located along the Southern Pacific Railroad Corridor. It will be elevated in some areas and at street level in others. Construction will begin in January 1994 and is expected to be completed in 1995. A scale model of the new design will be on display.

MESSAGE FROM THE CHAIR...

Our September Exexutive Council meeting was even more productive than I had planned! The outline for all our monthly meetings was completed - the main problem being, how do we fit in everything we want! We decided the topic of this year's Bay Area Technical Conference - which our section is hosting - will be Bioengineering. Some of our committee members have excellent contacts in this field. If any of you have thoughts, input or a desire to help, please let us know. You can contact Don Moseman, Laura Vavrnek or myself at any time.

Lisa Parker is putting together a Focus Group of recent graduates (0 to 5 years out) and college students. The purpose is to discuss the likes and dislikes, and expectations and desires towards ASME. We can only improve our organization by listening to our members. Your participation is welcome! Look for more information inside this newsletter.

Did you check out your annual dues notice? It includes information on the Get-A-Member program. There are a number of incentives including prizes and discounts for those who sign up new members or get drop outs back! To add to the kitty, we are offering \$100.00 to the person who gets the most sign-ups in our section. You can copy the application that was sent to you, or call the Regional office for more applications. Be sure to put your name and member number in the space provided to get credit.

Our Executive Council meetings will be on the first Thursday of the month. The space is not available to us on Wednesdays for a while. All who want to attend are welcome.

Bill Nott, Chair

TECHNOTES

Hello fellow M.E.'s!!! My name is Dan La Rochelle and I am your Technical Activities Chair for 1993-94. There are some great things coming up in this column so be sure to keep an eye out. ASME has many outstanding things available to you which you may not be aware of, yet.

Currently, I would like to bring your attention to the ASME video tape and slide show series (see October Hot Videos below). They cover everything from Human Powered Vehicles to Engineering in music and the arts. Call the Western Regional office for a list of titles and borrowing information. I will highlight a few each month.

Finally, ASME has a wealth of meetings, conferences and exhibitions every year. See below for upcoming events.

OCTOBER HOT VIDEOS

"Energy-Where Are We?/Where Are We Going?"

"On the Shoulders of Giants"

"Ethics in Action"

"ASME Biographies"

Call 1-800-624-9002 for more details

Upcoming Meetings, Conferences and Exhibitions

Winter Annual Meeting (Nov. 28-Dec.3)
New Orleans, LA

**North America Conference on Smart
Structures and Materials** (Feb. 13-18)
Orlando, FL

National Design Conference and Show
(March 14 - 17) Chicago, IL

**3rd Int'l Workshop on Advanced Motion
Control** (March 20-23) Berkeley, CA

November/December Tour

A BREWERY TOUR is being planned for the end of November / Beginning of December. More information in the next newsletter

ASME Wants Your Input

The San Francisco Section and UC Berkeley Student Section will be hosting a Focus Group to discuss professional concerns, benefits, disappointments, and ASME support of student section activities. This group is targeted at recent graduates (0 to 5 years) and all student section members from UC Berkeley, San Francisco State and The California Maritime Academy. Nationally and locally, ASME is trying to better serve the newest members of the society. If you have any suggestions or concerns, plan to attend this focus group. This is your opportunity to be heard.

Date: Thursday, October 21

Time: 5:15pm

Location:

UC Berkeley
Bechtel Engineering Center
Sibley Auditorium

If you have any questions or need directions please contact Brandon Muramatsu at (510) 654-5894 in the evenings or leave a message.

MEMBER-GET-A-MEMBER

All ASME members have the opportunity to benefit from the ASME's most ambitious recruiting drive ever, "Member-Get-A-Member", which kicked off July 1.

The year-long program offers a \$5 credit voucher to members for each paid new member they recruit in the Society. Individual who bring in the most members are eligible for prizes including an IBM pc, a \$2,000 travel certificate, and seven-day free car rental.

In addition to allowing members the opportunity to reduce dues or other ASME expenditures, the competition is intended to enlarge the base of ASME membership, increasing its diversity, prestige, and ultimately, influence.

Complete information on the contest can be obtained by requesting the Member-Get-A-Member brochure from ASME Information Central, 1-800-843-2763 (phone) or 201-822-1717 (FAX)

Mount Diablo Section October Dinner Meeting

Date: Wednesday, October 20

Place: Holiday Inn, Pleasanton

Time: 6:30 no host cocktails
7:00 dinner and 8:00 program

Cost: \$16 ASME member
\$20 non-member, \$10 student

Dr. Byron Jones, Professor at Kansas State University and ASME Distinguished Lecturer will discuss "Thermal Engineering for the Human Body"

RSVP: 510-275-4580

BERKELEY WOMEN IN ENGINEERING CONFERENCE

Saturday, October 23, 1993

8:30am - 4:30pm

UC Berkeley

Bechtel Engineering Center

cost: \$6.00 lunch included

One day conference for undergraduate and graduate women students in engineering

Workshops and Lab Demonstrations
Admissions and Financial Aid
Presentations

Speakers from industry and Academe
Networking, Role Models and Mentoring

for a brochure listing all speakers, times, parking and child care info please call

510-643-8205

JOB HUNTING SEMINAR

The Job Hunting Seminar will provide participants with job search techniques, including tips on obtaining that elusive job interview, networking, polishing the resume and cover letters and, and excelling in the job interview. The seminar is open to ASME members who are actively looking for work in the engineering field. The Seminar will be conducted by Lynden Davis, PE, Director of the ASME Western Regional Office.

Participants are encouraged to bring their resume for the regional office data bank, and to receive an evaluation if they so choose. They also have the opportunity to take a temperament test to see how to relate best to different types of interviewers. A career transition notebook and other helpful materials will be provided as part of the seminar.

DATE: Monday, November 8

TIME: 9:00am to 5:00 pm

PLACE: Bechtel Building
2nd floor conference room
Beal Street
San Francisco

COST: \$20 (covers lunch)

You MUST register in advance to attend. Call the Western Regional office at 800-624-9002 to register.

Space is limited to the first 25 who register.

*** JOB ANNOUNCEMENT ***

Company: Stone & Webster Engineering Corp.
Pleasanton, CA

Title: Mechanical Engineer (2 positions)

Description #1: Design mechanical systems including domestic water, cooling water, gas, compressed air, steam and sanitary sewer. The design work for these utilities also includes piping, ductwork, controls, plumbing and fire protection.

Description #2: Design upgrades to underground and above ground liquid storage tanks and associated dual containment piping for compliance with all federal, state and local regulations.

Requirements: B.S.M.E. preferred with 8+ years of related experience. Knowledge of AutoCad 11 or 12, ductwork design and energy analysis programs and other PC/Mac programs.

Contact: Kathryn Homer (510)426-2041 phone
(510)426-2110 fax

ASME Board on Pre-College Education

At the 1992 Winter Annual Meeting, the Board of Governors approved the creation of the Board on Pre-College Education (BPC) to underscore ASME's commitment to take action to improve our nation's pre-college education.

The objective is better educated citizens, capable of making intelligent decisions about issues related to mathematics, science and engineering in our increasingly technology dependent society. A long-term by-product will be better qualified university students by engineering programs including those in mechanical engineering.

The Board has selected initial projects but a key factor is to identify the many ways ASME members, acting individually or who through sections, or national offices, are already involved in the improvement of pre-college education. These member activities can be in schools, scouting, or other education related organizations in which math, science, and technology are being promoted. The involvement may be through such programs as MathCounts, Science Olympics, or individual activities with a school such as mentoring or tutoring.

If you are involved in programs of this nature, please get word to the BPC staff at ASME Headquarters in New York as listed below:

Catherine Z. Hernandez
Manager, Education Products and Services
ASME

345 East 47th Street

New York, NY 10017

Tel: 212-705-7448

Fax: 212-705-7143

email: 73303.761

ASME San Francisco Section

1993-94 Executive Council

Chair	Programs	Government Relations
Willard A. Nott (408)743-2378 (408)742-4702 FAX	Laura Vavrnek (510)601-7370	Technical Activities Dan LaRochele (707)769-9279
Vice-Chair Donald W. Moseman (415)768-5688	Dennis K. Lieu (510)642-4014	Newsletter Editor Madeleine Moffitt (510)540-8551
Treasurer Stefan Wagner (415)586-0150	Industrial Relations Marco Bruzzano (510)242-1604	History and Heritage Eric Worrell (510) 228-1220 x2571
Secretary Eric Broadhurst (415)397-0442	College Relations Brandon Muramatsu (510)654-5894	Professional Practice and Ethics Rich Myhre (510) 444-8707
	Unemployed Members Lynden Davis (800)624-9002	

ASME Section Hotlines...

San Francisco Section Mount Diablo Section
415-721-4478 510-275-4580

Santa Clara Section Western Regional Office
408-629-2592 800-624-9002

These numbers provide meeting and technical activity information.

San Francisco Section Executive Council Meetings

(no obligations and we don't bite)

1st Thursday of each month

at 6:15

Offices of Bevilacqua-Knight (BK1)

501-14th Street, Suite 210

Oakland City Center Complex near 12th Street BART

Validated parking at City Center garage

All members are welcome and encouraged to become active and help plan this year's Section activities. For more information, call our voice mail message (415)721-4478 or Bill Nott at (408)743-2378.

Advertising Space Available:

\$100 full page

\$50 half page

\$10 business card

\$5 classified (25 word max.)

Contact Madeleine Moffitt (510)540-8551

*** JOB BULLETIN ***

MEMBERS

Looking for a job? Contact the ASME Western Regional Office to obtain a copy of the Job Bulletin. 1-800-624-9002

COMPANIES

Looking for mechanical engineers? Contact the ASME Western Regional Office to place a free listing in the Job Bulletin, or to obtain information regarding advertising in *Mechanical Engineering* magazine.