

October 1990

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# Newsletter

## October ASME Dinner Meeting:

### TOUR OF PG&E's ENERGY CONTROL CENTER

**Date:** Tuesday, October 23, 1990

**Time:** 6:00 p.m., Tour  
7:30 p.m., Dinner

**Place:** Tour  
Lobby, PG&E Building  
77 Beale Street, San Francisco

Dinner  
Chevy's Mexican Restaurant

**Cost:** Tour: No Cost

Dinner: Members \$14  
Students 7  
Others 16

**Entree:** Fajita Platters

**RSVP:** Teresa Peterson (415) 577-7121  
prior to noon October 22

Validated parking is available for patrons of Chevy's Mexican Restaurant. Chevy's is located in the Embarcadero Center #2, Podium Level, and is within walking distance of 77 Beale Street. Street parking is also available.

Pacific Gas and Electric Company's (PG&E) electric supply system is, perhaps, more diverse than any other utility in the nation. The nerve center of PG&E's electric supply system is the ECC, the Energy Control Center. The ECC coordinates in real time the operation of PG&E's generation and transmission facilities. The ECC is staffed with four dispatchers and two resource coordinators 24-hours a day.

PG&E's electric supply system includes:

eight conventional steam plants with 33 units fueled by natural gas or oil

one nuclear plant with two units

seventy hydroelectric powerhouses with 111 units

eighteen geothermal units

ten combustion turbines

purchases from other utilities, irrigation and water districts, and many small power producers.

Along with other member utilities in the Western Systems Coordinating Council, PG&E backs up member utilities when plants or transmission lines fail. PG&E accomplishes its responsibility through an Energy Management System (EMS) operated from the ECC.

#### MESSAGE FROM THE CHAIR

##### Mathcounts -- You Can Too

Have you wondered how you can help increase our resource of mathematically literate high school graduates? MATHCOUNTS may be your answer. ASME has joined the National Society of Professional Engineers and many other organizations as a MATHCOUNTS sponsor.

Like school sports teams, 7th and 8th grade "mathletes" are coached throughout the fall at their local schools to prepare them for team and individual competition run by NSPE chapters. In February, teams of four from each participating school compete in written competition, with top performers moving on to an oral "countdown" competition, then to the state competition in March and, ultimately, to the national competition in May.

With limited resources, our local NSPE (CSPE) chapters run strong MATHCOUNTS programs. With **your** help, those programs can become stronger, reaching the many schools and students that aren't yet participating. How can you help? As an individual, you can help by coaching, reaching out and giving your local schools the encouragement they need to get involved, and helping to plan or assist with a chapter competition. Organizations can help too, by adopting a school team, by publicizing MATHCOUNTS, by encouraging employee involvement, and by donating funds to help strengthen the program.

I hope you'll get involved. I have found it enjoyable and rewarding. Right now is that important time to sign on, to help recruit new schools so that no budding engineers miss their chance! Please call me at (415) 689-4579 so that I can get you in touch with your local MATHCOUNTS chair.

Speaking of volunteers, we still need more. Farewell, thank-you, and congratulations to Past Chair and Honors and Awards Chair Lynden Davis, Member-at-Large Kevin Yurica, and (almost) Professional Development Chair Preston McDaniel whose career moves take them elsewhere. Lynden remains local but moved, the first of September, from the volunteer ranks to ASME staff as our new Western Field Service Director. Kevin has taken up MBA studies at UCLA, and Preston barely had time to volunteer as committee chair before Bechtel promoted him to the Toronto office in July. These three played big parts in last years successes and will be missed. If you know someone who can join us as a committee member or as chair of the Honors and Awards, Professional Development, Public Relations, or Technical Activities committee, please give me a call.

Eric E. Worrell, PE  
Chairman, 1990-91

#### Employment Corner

**Experience Unlimited Job Clubs** are no-fee centers sponsored by the State Employment Development Department (EDD) to assist professional employees and employers to find one another. Each club publishes member profiles, which are sent to Bay Area employers, posts open positions, and refers qualified individuals to inquiring employers. Clubs provide training in resume preparation and interviewing skills. Each club provides an office, telephone, fax, and resource materials. Club members are expected to volunteer time toward operating their club. Clubs are located at:

1225 Fourth Avenue, Oakland; (415) 464-1259.  
745 Franklin Street, San Francisco; (415) 557-8651.  
363 Civic Drive, Pleasant Hill; (415) 676-4000, x240/244.  
39155 Liberty Street #107, Fremont, (415) 794-3788.  
420 Pastoria Street, Sunnyvale; (408) 736-9031.

**40-PLUS**, a private, non-profit, member-supported organization provides services similar to the EDD Job Clubs. 40-plus assists those job seekers who are over 40 years old. The local chapter of 40-PLUS is located at 4770 Lockheed Street, Oakland 94603-0639. (415) 430-2400.

ASME Table, Thursdays, Engineers' Club, 160 Sansome, San Francisco. ASME members may purchase lunch at club member prices.

#### Items of Interest

##### Call For Agenda Items

The National Agenda System is ASME's suggestion box. This formal system gives a voice to any member who has a good, clearly stated idea for improving ASME's organization or operation. If you are such a person, please contact Eric Worrell promptly for guidelines for submitting an item. The deadline for the 1991 compilation is October 16, 1990. Our apologies for the short notice, which reached us after our September newsletter was mailed.

##### Call For Papers

We received the following calls for papers in September. Please call Eric Worrell for details.  
ASME International Computers in Engineering Conference and Exposition, August 18-22, 1991, Santa Clara. Abstracts by October 12, 1990.  
Cogeneration and Other Energy Conserving Technologies for the 90's, March 17-20, 1991, Mesa, Arizona. Abstracts by October 15, 1990.

**"FUTURE COMPUTING...  
THE 90's & BEYOND"**



**1991 International  
Computers in Engineering  
Conference & Exposition**

August 18-22, 1991

Marriott Hotel  
Santa Clara, CA

For further information,  
please call

Leslie Friedman  
1-212-705-7788

FAX  
1-212-705-7674

#### Other Society Focus

This month's focus is on the Society of Tribologists and Lubrication Engineers (STLE). STLE members are interested in wear mechanisms between surfaces in relative motion and the effects of lubricants on preventing or mitigating against wear. Douglas Godfrey, Chairman of STLE's Northern California Section and President of Wear Analysis, has kindly provided a schedule of STLE's proposed monthly meetings.

- October 18 Paul Jacobs and Don Chernich  
Air Resources Board, State of California  
*Future Emission Requirements for Gasoline and Diesel Engines*
- November 15 Dr. Robert T. Lewis, Tribometrics, Inc.  
*Wear Metals in Automobile Engine Oils*
- January 17 Curtis L. Gordon, President, STLE  
The Lubrizol Corporation  
*Two-Cycle Engines For Passenger Cars*
- February 21 Forrest Neff, Cal. Dept. Water Resources  
*A Case History of Thrust Bearing Lubrication at the Oroville Dam*
- March 21 All Day Workshop  
*Gear and Roller Bearing Lubrication*
- April 18 To Be Announced
- May 16 Plant Tour - To Be Announced

All STLE meetings are at Francisco's Restaurant, 8520 Pardee, Oakland (at Hegenberger Road near the Oakland Airport). Social hour: 6 p.m. Dinner: 6:30 p.m. Program: 7:30 p.m. For more information or to RSVP, contact Douglas Godfrey at (415) 454-9340.

### San Francisco Section Officers and Committee Chairpersons for 1990-91

Chairperson	Eric E. Worrell, PE	B(415)689-4579	H(415)689-4579
Vice Chairperson	Dennis K. Lieu PhD	B(415) 642-4014	
Treasurer	Don Moseman	B(415) 973-9721	H(415)583-6815
Secretary	Robert B. Raos, PE	B(415) 357-4610x2576	H(415) 531-8652
Member-at-Large	Kevin J. Yurica, PE	B(707) 648-5712	H(415) 528-4238

#### COMMITTEE CHAIRPERSONS

Program	Richard J. Myhre, PE	B(415) 444-8707	H(415)453-9872	Fax(415) 444-2072
Membership Dymnt	Norman Aiello	B(415) 357-4610x2453	H(415) 430-0780	Fax(415) 577-7283
Member Interests	Alok Kumar, PE	B(415) 557-3312	H(415) 589-7382	
Government Relations	Willard A. Nott, PE	B(408) 743-2350	H(415) 881-5035	Fax(408) 742-2461 (Call)
College Relations	Nance C. Munro, PE	B(415) 973-2695	H(415) 536-2541	Fax(408) 874-2443
Industrial Relations	Joseph M. Sutton, PE	B(415) 973-3388	H(415) 668-9686	Fax(415) 972-9431
Honors & Awards	Lynden F. Davis, PE	B(415) 768-0630	H(415) 525-7418	
History & Heritage	Bruce Nyhuis, PE	B(707) 646-4371	H(707) 747-5740	Fax(707) 646-4513
Nominating	Julia A. Gee, PE	B(415) 768-1234	H(415) 526-2722	
Prof. Prac./Ethics	Prof. Ralph G. Davis	B(707) 648-4270		

#### OTHER SECTION CHAIRPERSONS

Mt. Diablo	Vince Dilworth, PE	B(415) 876-3449	H(415) 830-2732
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San Mateo	Mehmet Evizi	B(415) 361-2347	H(415) 349-2052
Santa Clara Valley	Stephen K. Magie, PE	B(408) 284-3077	H(408) 281-1280

Fax(209) 942-1761  
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