

SAN FRANCISCO SECTION THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS



JUNE 1977

NEWSLETTER

DIANA L. BROWN 415-768-0916 Editor

FAMILY DAY
JUNE 18, 1977 (SATURDAY)

GOLDEN GATE FERRY SYSTEM
SAN FRANCISCO & LARKSPUR FERRY TERMINAL

"RIDE & TOUR OF GAS TURBINE DRIVEN FERRY"

This will be the last meeting of the 1976-77 year. Let's make it a fun family day by riding one of the ferry system's new three-vessel fleet and touring a docked vessel at the Larkspur Ferry Terminal. The vessels are powered by three TF 35 Avco Lycoming gas turbine engines, each delivering 2,800 Shaft horsepower, for a total capability of 8,400 shaft horsepower. Waterjet propulsion system includes three 36-inch waterjet pumps manufactured by Jucuzzi Bros., Inc. Each propulsion unit is capable of delivering 15,000 pounds of thrust, equivalent to the thrust created by a 727 airline jet engine. Food and beverage service are available aboard the vessel or you may want to bring your own basket lunch and eat either on the Larkspur or San Francisco side or go out on the town.

SCHEDULE:

SAN FRANCISCO FERRY TERMINAL AT 1:30 P.M. FOR 1:55 P.M. FERRY.

TOUR OF DOCKED FERRY — LARKSPUR — 2:45 - 4:15 P.M.

LEAVE LARKSPUR ON 4:40 P.M. FERRY ARRIVING SAN FRANCISCO AT 5:30 P.M.

COST OF FERRY IS \$1.00 PER ADULT EACH WAY.

CHAIRMAN'S SWAN SONG

This is our last newsletter this year (July 1, 1976 — June 30, 1977) and I'd like to say a few words in parting. Certainly the time has gone by very quickly. The high hopes and objectives of the beginning mellowed into the more practical realities of the way it is.

The bright spots included such items as our newsletters that were timely, informative and colorful; Diana Brown was the editor. I hope her example encourages more women to participate in our activities. The variety of entrees on the programs menu concocted by John Bradburn had something for every taste, ranging from high technology to family-oriented tours. Dean Scott provided excellent settings with arrangements in congenial and convenient meeting places.

With all that going for us, why did so few of us turn out for the meetings? The low percentage of our Section who attended even only one meeting this year certainly came as a disappointment. If you would have wanted something done differently, it's not too late to have an effect on next year. Drop me a line at: EBMUD, P.O. Box 24055, Oakland, CA 94623. Vent your spleen! Gripe! I'll get the word to next year's Chairman.

Other bright spots were the awards program under the direction of Al Greenland, and Jack Darnell's repeat successes with membership development.

A special thanks to John Sale for his outstanding arrangements for the 1977 Regional Administrative Conference held here in May. As you know, John is Chairman-elect for 1977-78 and will undoubtedly do an excellent job. He is currently making committee appointments and is anxious to have your participation. Call him at 781-4211, Ext. 1896.

I've enjoyed the opportunity to serve as your Chairman this past year and I thank you for the privilege. Let's close the year out on an up-beat — Bring your family to the Larkspur Ferry tour, Saturday, June 18!!

Erland Persson
Chairman 1976-77

— SAN FRANCISCO INDUSTRIAL WASTE REVIEW BOARD —

Are you a San Francisco resident? If yes, read on.....

Do you have five years or more professional experience relating to water pollution abatement? If yes, read on.....

Would you be interested in serving on the Industrial Waste Review Board for the City and County of San Francisco? (This is an appeal board that considers appeals by industry from actions of the Director of Public Works in connection with the implementation of the City's Industrial Waste Source Control Program.) If yes, call me, Erland Persson, at 835-3000 — extension 365 — for further information.

SAN MATEO SUBSECTION

DINNER MEETING: THURSDAY, JUNE 9, 1977

GUEST SPEAKER: PIETB. BOS FROM THE ELECTRIC POWER RESEARCH INSTITUTE.

SUBJECT: SOLAR ENERGY RETROSPECT AND PROSPECTS.

PLACE: HOLIDAY INN — 1101 SHOREWAY ROAD, BELMONT, CA.

TIME: NO-HOST COCKTAILS — 5:30 P.M.
..... BUFFET DINNER — 6:30 P.M.
..... PROGRAM — 8:00 P.M.

RESERVATIONS: \$7.50 CHECK PAYABLE TO ASME SAN MATEO

MAIL TO: JOHN SAARINEN — 1474 ELM ST., SAN CARLOS, CA 94070
BEFORE JUNE 4, 1977 WIVES & GUESTS ARE WELCOMED.

Mr. Bos will discuss near-term applications of solar energy such as for heating and cooling of buildings to include energy conservation and design as viewed from a utility perspective. Subsequently, he will address the longer-term solar alternatives, primarily for production of electric power to include: solar thermal conversion, photovoltaic electric conversion, wind energy conversion, ocean thermal energy conversion, wave energy and bioconversion. These subjects will be viewed from an overall systems perspective to include constraints and potential market penetration.

— SHORT COURSE TO BE OFFERED —

Finite Element Method
NASTRAN Usage
Computer Graphics

Place: San Francisco — August 1-18, 1977, Washington D.C. — August 23 — September 15, 1977.

Objective: Provide an appreciation for technological content and training in the use of NASTRAN and in interactive computing and graphics.

For more information and curriculum details contact:

Schaeffer Analysis, P.O. Box 761, College Park, MD. 20740, Tel: [301] 721-3788.

PE & EIT REVIEW COURSES — START IN AUGUST

If you are preparing for the November P.E. or E-I-T Engineering Registration examinations, you are encouraged to attend a no-cost, no-obligation introductory session to be held at 7:00 P.M. on July 27 at Menlo College (room 442, SBA Building) in Menlo Park.

The session, which will cover E-I-T/P.E. examination contents and review course formats in addition to allowing time for your questions about the examinations, is presented by the Professional Engineering Registration Program. August courses in the Program include P.E. exam reviews for Mechanical, Electrical, Industrial, Nuclear, Chemical, and Quality Engineering, as well as an E-I-T review, all starting the first week of August.

Course	Day	Starting Date	Location
Electrical P.E. Review	Mondays	August 1	Menlo College
Quality P.E. Review	Mondays	August 22	Stanford Linear Accelerator
E-I-T Review	Tuesdays	August 2	Menlo College
Industrial P.E. Review	Tuesdays	August 2	SLAC
Chemical P.E. Review	Wednesdays	August 3	SLAC
Nuclear P.E. Review	Wednesdays	August 3	Menlo College
Mechanical P.E. Review	Thursdays	August 4	Menlo College

Tuition for each course — \$95. (\$75 to C.S.P.E. members, \$45 for full-time students). To enroll: send your name, address, daytime telephone number & check (payable to P.E. Program) to: P.E. Registration Program, P.O. Box 911, San Carlos, CA. 94070. For more information call: (415) 593-9731 during business hours.

CONFERENCE ON ENVIRONMENTAL ISSUE IN ELECTRIC POWER GENERATION

August 29 — September 2, 1977 — Berkeley Campus, U.C.

The five-day program will be devoted to analyzing a number of technologies that are available now or that are likely to begin to contribute substantially by about 1990: coal, petroleum, nuclear energy, geothermal and solar energy, and synthetic fuels. The aim will be to provide a basis for decisions on use of the various technologies through comparisons of their fuel cycles and environmental effects, including effects on health.

The conference registration fee is \$350, and advance registration is necessary. A detailed program description and schedule may be obtained by writing to Continuing Education in Engineering, University of California Extension, 2223 Fulton St., Berkeley, CA 94720, or by calling (415) 642-4151.

ASME—SAN FRANCISCO SECTION OFFICERS 1976-77.

Chairman E.A. (Erland) Persson, Ph. (415) 835-3000, Ext. 365
Vice Chairman J.W. (John) Sale, Ph. (415) 781-4211, Ext. 1896
Secretary C.D. (Dan) Mote, Jr. Ph. (415) 642-2544
Treasurer J.B. (Jerry) Fischenich, Ph. (415) 635-4742
Members-at-Large J.A. (Jack) Bailey, Ph. (415) 284-5193
..... Donald Roth

HAVE A NICE SUMMER!