

# SAN FRANCISCO SECTION THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS



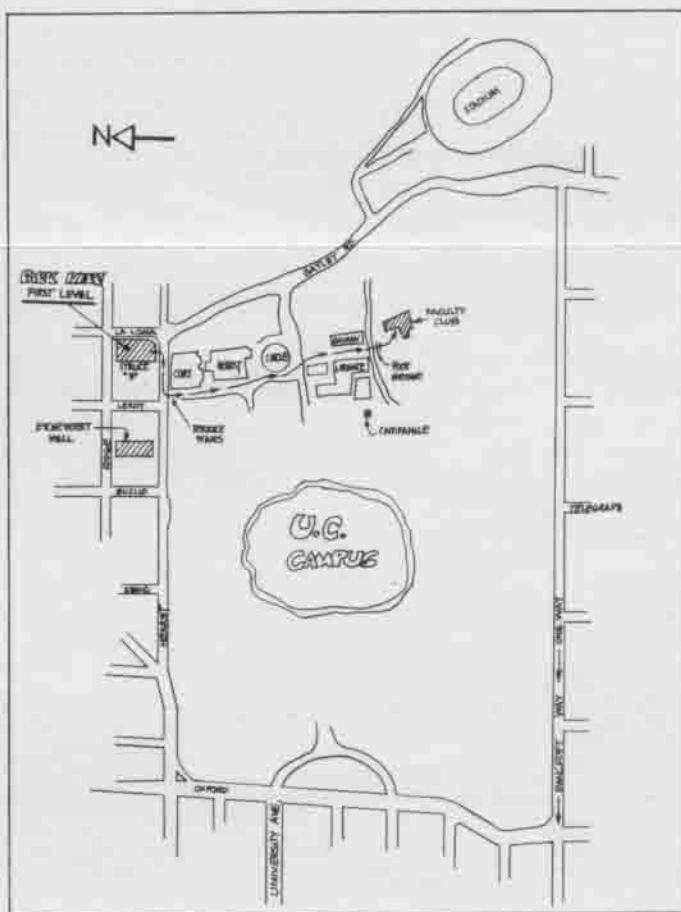
OCTOBER 1973

NEWSLETTER

PHILIP T. NISHIKAWA, Editor

## OCTOBER MEETING NOTICE

- DATE:** Thursday, October 18, 1973
- TIME:** 6:00 P.M. — Social Gathering  
6:30 P.M. — Dinner  
8:00 P.M. — Meeting
- PLACE:** Faculty Club (dinner & social)  
Etcheverry and Hesse Halls (meeting)  
University of California, Berkeley
- PRICE:** \$5.50 (Dinner is veal cordon bleu, price includes wine and gratuity).
- RESERVATIONS:** Please call Mrs. Carmen Marshall, 642-3458, by 5:00 p.m. Tuesday, October 16, 1973 to make reservations. Since the Faculty Club is a smaller operation than Spengers and the dinner cannot be prepared at the last minute, it is important that we have reservations.
- PARKING:** Free parking will be available in the Etcheverry Hall parking lots and if these are full on the first floor of Parking Structure H, near Etcheverry Hall. It is suggested that we park there and walk to the Faculty Club (about 3 blocks). Anyone needing closer parking should ask Mrs. Marshall to make arrangements. A sketch showing the various locations on the campus is on this newsletter.



## PROGRAM: TOUR OF SEVERAL LABS AT U.C.B.

After dinner, **Professor R. F. Steidel, Jr.**, Chairman of the Department of Mechanical Engineering will comment on some of the new activities in Mechanical Engineering at Berkeley. We will then visit several of the laboratories in Hesse and Etcheverry Halls to see demonstrations of current research. Some of the projects which will be demonstrated are:

**Wheelchair for the Disabled.** A wheelchair has been designed in the Department for use by paraplegics. It is extremely versatile, being able to climb curbs, enter an automobile (which the operator can then drive away), and has other special features. Work in this area will be discussed and demonstrated.

**Dynamic Stability Laboratory.** Dynamic testing of skis and ski bindings will be demonstrated. The development of new criteria for safety binding performance will be discussed. Studies of the stability of circular saws will also be shown.

## COMING EVENTS

- Oct. 15-18 Joint Lubrication Conference, ASME, ASLE, Sheraton-Biltmore Hotel, Atlanta, Georgia.
- Oct. 25-26 Joint Engineering Management Conference, Tampa, Florida.
- Nov. 11-15 Winter Annual Meeting — ASME, Detroit, Michigan.
- Nov. 13 Joint Meeting with Women's Auxiliary, S.F., Santa Clara, and Mt. Diablo Sections. See preview below.

## PREVIEW OF NOVEMBER MEETING

Joint meeting with our Women's ASME Auxiliary. Bring your wife or your girl friend.

- Place:** S.F. Airport Marina Hotel just South of the Airport.
- Date:** Nov. 13, 1973; Cocktails at 6:00 PM with Dinner at 7:00 PM.
- Speaker:** Leonard Stefanelli of Sunset Scavenger Co.
- Subject:** Solid Waste Disposal.

## CONTINUING EDUCATION

- Nov. 10, 1973 "Understanding Fire Safety"  
University of California, Berkeley

**Biomechanics and Rock Mechanics.** Studies of bone fracture, head injury, and head protection will be shown. Also, work on wave propagation and comminution of rock will be displayed.

**Clear Air Car and Air Pollution Research.** The Clean Air Car is a modified 1970 Plymouth, designed and modified by seniors in Mechanical Engineering. It uses exhaust recycling, air injection, thermal and catalytic reactors to bring emissions below the 1975 standards. It has been operating for two years, and it is the only vehicle west of Detroit with this system and this mileage. The Department uses the car for routine travel. The car will be on display, and other work on air pollution will be discussed.

**Fire Research.** The Department has an extensive grant from the National Science Foundation to study the factors involved in loss of life and property damage due to fire. This work will be discussed and demonstrated.

## CALL FOR PAPERS ON ENERGY CONVERSION

ASME Host Society for the 9th Intersociety Energy Conversion Engineering Conference at San Francisco on Aug. 26-30, 1974. Send abstracts to:

Dr. Hsuan Yeh  
Towne School of Civil & Mechanical Engineering  
University of Pennsylvania  
Philadelphia, Penn. 19104

## LEONARD FARBAR MEMORIAL SCHOLARSHIP

We again remind our membership for contributions towards a worthy scholarship fund in the name of our recently past ASME Executive and U.C. Educator, Prof. Len Farbar. We also ask all of our membership to pay their \$2.00 section dues for 1973-74. Send all contributions to:

Mr. J. A. Bailey, Treasurer, ASME S.F. Section  
c/o DeLaval Turbine Calif. Inc.  
550 - 85th Avenue  
Oakland, CA 94621

**ASME BROCHURE** — *Guidelines to Professional Employment of Engineers and Scientists.*

Above brochure is available on request. Please contact Mr. J.P. Van Overveen at (415) 465-4100 Hayward Ext. 201.