

SAN FRANCISCO SECTION  
THE AMERICAN SOCIETY OF  
MECHANICAL ENGINEERS



The San Francisco Section ASME is an organization where you will meet good people; some you can learn from, some who can learn from you. We who participate find our experiences rewarding. We learn things we would not otherwise learn; we meet people we would no otherwise meet; and we find friends we would not otherwise find. We become more effective than we would otherwise be.

Join us at a dinner meeting. You can be as active as you choose to be

May 1990 (This edition prepared by L.F. Davis) Priscilla Johnson, Editor  
Newsletter 1141 Marionola Way, Pinole, CA 94564

Speaker: **Dr.David Farrar**  
Thoratec Labs.

May 16th Dinner Meeting

Ventricular Assist Devices & Artificial Hearts

Date: Wednesday, May 16

Time: 6:00 PM, No-Host Social  
7:00 PM, Dinner  
8:00 PM, Program

Place: Spenger's  
5th Street between  
Hearst & University Ave  
Berkeley

Cost: \$15.00 Members  
\$18.00 Non Members  
\$ 7.50 Students

Entree: Choice of Beef or Fish

RSVP: Kevin Yurica  
(707) 648-5712  
By May 15th, Noon

An artificial heart that replaces a patient's own diseased heart and allows reasonable quality of life for a long period of time appears to be beyond our current technology. Short term circulatory support, from a few hours to a few months, has been more successful. Several medical device manufacturers have been conducting clinical trials with ventricular assist devices (VAD's). Their most successful use to date is as a bridge to transplant, where the VAD supports the circulation of a heart transplant candidate who is unlikely to survive long enough for a donor heart to be found.

Thoratec Laboratories Corporation, in Berkeley, makes a VAD that is being studied at 18 medical centers throughout the US, including the Pacific Presbyterian Medical Center (PPMC) in San Francisco, where it was first successfully used as a bridge to transplant in 1984.

Dr. Farrar holds a B.S.in engineering physics from Cornell and a PhD in biomedical engineering from the University of North Carolina. At Thoratec he is Vice President and director of Circulatory Support Products and is responsible for engineering, clinical research, and regulatory aspects of the program. At PPMC, he is Senior Scientist in the Department of Cardiovascular Surgery and is responsible for two research grants related to the VAD. He is also responsible for the technical and research aspects of the clinical trials of the Thoratec VAD at PPMC.

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PLANNING FOR NEXT YEAR - Continued

In mid-April, we have 8 of 12 committee chairs recruited for 1990-91. We'll have the other four by the month's end. WE NEED YOUR HELP! Your small (or large) contribution will help us be a "full service section". We should aim for the following goals for our major committees.

Six members on the **Program Committee** would present at least 9 monthly meetings, including 2 ASME Distinguished lectures, and 2 weekend industry tours. With a fully staffed committee we can aim to add a fall social event (interested in a bay cruise?), a spring family picnic, a monthly engineering video series and additional tours. With 4 to 6 members on the **Public Relations Committee** an assistant editor would help prepare the newsletter and get it to the printer, another person would keep our supplemental mailing list up-to-date, another would communicate with other engineering societies and ASME sections and one person would work on other forms of publicity. With a full committee, I'd like to turn out some ASME San Francisco Section Polo and T-shirts so we can show our friends that we're PROUD to be Mechanical Engineers. Your section dues contributions can help us upgrade the newsletter - maybe we can add some photos.

The **Membership Development Committee** needs 8 to 12 members to make personal contact with members who fail to renew, to help upgrade graduating student members and promote ASME to non-members. I look forward to leading our region in surpassing our membership goals.

With 5 members on the **Professional Development Committee** we will be able to sponsor ASME short courses, find companies to do a short course in-house, and provide information and program support for professional development. With 5 members on the **College Relations Committee** we can better establish regular SF Section representation at UC Berkeley, San Francisco State and California Maritime Academy student section meetings, provide greater assistance with student section programs and advising and search for some large contributions to upgrade our Farber Scholarship endowment. With 4 members on the **Industrial Relations Committee** we can expand our Company Representatives program, with informations packets and an orientation meeting, and present an Industry Appreciation award.

Our **Honors and Awards Committee** should aim to honor at least 3 section members as ASME fellows, nominate section members for ASME Pi Tau Sigma and Tau Beta Pi awards at the regional and national level, and present an Industry Appreciation Award. 5 to 7 committee members should be about right to lead the way.

Next month, I'll present some goals for your other committees. I hope you'll join us in bringing them about. Please call me at (415) 689-4579 and let me know how you would like to help.

Eric E. Worrell, PE Chairman Elect - 1990 to 1991

Employment

■ **POSITION WANTED:** Can you use a good brainstormer? Eric Worrell, Current Vice Chair of the S.F. Section, would like to work on innovative, environmentally sensitive solutions for providing energy, transportation and/or materials. A stimulating, high integrity working environment is a priority. Over 7 yr experience with PG&E includes: design of natural gas systems for collection, processing, storage, control and transportation; natural gas storage well engineering and monitoring; hazardous waste management; environ-mental permitting; first line supervisor at PG&E's largest natural gas storage facility. Strengths include high creativity, an openness to new ideas, and eye for details and quality, excellent writing , and good presentation skills. Eric is a Registered Professional Engineer, has a BSME from the University of Maryland , inducted into Tau Beta Pi and Pi Tau Sigma. **Contact Eric Worrell, PE at (415) 689-4579.**

Other Meetings of Interest \*\*\*\*\*

**Thursday, June 21, 1990** The San Francisco ASME Section will hold its annual Change Over Meeting on Thursday, June 21 at the Alameda Naval Officers Club. Social will be at 6 PM, and dinner will follow at 7 PM. Help us honor the retiring section officers and chairmen and welcome in the new administration. **RSVP Eric Worrell at (415) 689-4579**  
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**Changed address? Want to change Technical Division? Upgrade from Associate to Member?** All of these services are available from the ASME Western Regional Office here in N. California. Manager **Charles Howard** and assistant **Jean Camby** have computer access to member records and can help you directly. You can request an application to upgrade your membership , or a membership application for a colleague. **Just call them at (415) 927-2020 or Fax (415) 927-0119**

San Francisco Section Officers and Committee Chairs for 1989-90				
Chairman	Lynden Davis, PE	B(415) 768-3650	H(415) 525-7418	Fax(415) 768-4367
Vice Chairman	Eric E. Worrell, PE	B(415) 689-4579	H(415) 689-4579	
Treasurer	Dennis K. Lieu PhD	B(415) 642-4014		
Secretary	Robert B. Raos, PE	B(415) 357-4610x2576	H(415) 531-8652	Fax(415) 577-7283
Member-at-Large	Parker C. Smiley	B(415) 339-0334	H(415) 339-0334	
Member-at-Large	Hal L. Brunette	B(408) 742-3320	H(408) 988-4148	
COMMITTEE CHAIRMEN				
Program	Kevin J. Yurica PE	B(707) 648-5712	H(415) 525-9198	
Public Relations	Priscilla A. Johnson	B(415) 758-1925	H(415) 724-4149	Fax(415) 758-1427
Membership Dvmnt	Norman Aiello	B(415) 357-4610x2453	H(415) 430-0780	
Professional Dvmnt	Andrew B. Corless	B(415) 297-4232	H(415) 655-4057	
Government Relations	Willard A. Nott, P.E.	B(408) 743-2350	H(415) 881-5035	
College Relations	Todd Hancock	B(707) 646-4371	H(707) 554-8582	
Industrial Relations	Don Moseman	B(415) 768-2303	H(415) 583-6815	
Nominating	Julia A. Gee, P.E.	B(415) 768-1234	H(415) 526-2722	

"A Note From The Chair"

It has been an exciting year!

How time flies when you are having fun! Already, we are looking at our last dinner program of the year, and the Change Over Meeting on June 21 at the Alameda Naval Officers Club. It doesn't seem like a year has passed so quickly. Of course, the reason was due to the "Grand Slam" where our section hosted the August IRAC for training new officers from Northern California and Nevada, the ASME Winter Annual Meeting, and the Bay Area Technical Conference. Next year, incoming chairman, Eric Worrell, looking at a "normal year" can concentrate on the core responsibilities of a section.

A section chairman certainly does not do all the work himself! And this year I have been blessed with a lot of enthusiastic help! Vice Chairman, Eric Worrell took a heavy load, including chairing the Bay Area Technical Conference. Robert Raos and Dennis Lieu took on a lot more than secretary and treasurer. Kevin Yurica and Priscilla Johnson presented very good programs and newsletters. Norman Aiello, Todd Hancock, and Don Moseman were each very active committee chairman. And to all of you who helped out - MANY THANKS!

Lynden Davis, PE Section Chairman

ELECTION RESULTS - 1990-91 SAN FRANCISCO SECTION OFFICERS			
CHAIRMAN	Eric E. Worrell PE	TREASURER	Don Moseman
VICE CHAIRMAN	Dennis K. Lieu, PhD	MEMBER AT LARGE	Kevin J. Yurica, PE
SECRETARY	Robert B. Raos. PE	Nominating Committee Chair.	Julia A. Gee. PE