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 not 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 1985
NEWSLETTER

LYNDEN DAVIS, EDITOR, S.F. ASME
45 Fremont Street
San Francisco, CA 94105

MAY MEETING
THURSDAY, MAY 16, 1985

"THE DESIGN OF RELIABLE AND SERVICEABLE POWER AND COOLING SYSTEMS FOR LARGE MAINFRAME BUSINESS COMPUTERS"

AND TOUR OF AMDAHL'S COMPUTER MANUFACTURING FACILITIES IN SUNNYVALE

GEOFFERY FERNALD, Manager, Power and Cooling Systems
Electrical Engineering Department, AMDAHL Corp., Sunnyvale

Design of power and cooling systems for mainframe computers offers an opportunity for the power electrical and mechanical engineers to contribute to the design of a product that is largely the domain of the digital electronic engineer. With the high initial and operating costs of a business mainframe, customers demand maximum "up time" for their computers. The power and cooling systems need to almost be transparent to the customer. Geoffery Fernald, Manager of the Power and Cooling Systems group, Amdahl Sunnyvale, will overview the computer AC/DC power and cooling systems, with a focus on reliability.

On the tour you will have a chance to see the production facilities for Amdahl's current 580 production machine. The tour will start in front of building M4 lobby (see attached map for location). Building M4 is on E. Arques Avenue, at the intersection of Lakeside Drive, in Sunnyvale. Take Lawrence Expressway South off Route 101 and turn left on Arques Avenue, the second light from 101. Building M4 is one block down from Lawrence, on the right side of Arques. Please allow enough driving time since traffic is very heavy in the late afternoon. You are requested to RSVP for the tour to streamline the security procedures at building M4.

The dinner meeting will follow at The Bold Knight. To get to the restaurant from Amdahl Building M4, take the Lawrence Expressway North to highway 101 toward San Francisco. Take N. Mathilda exit, cross freeway. The Bold Knight is about 2 blocks on your right.

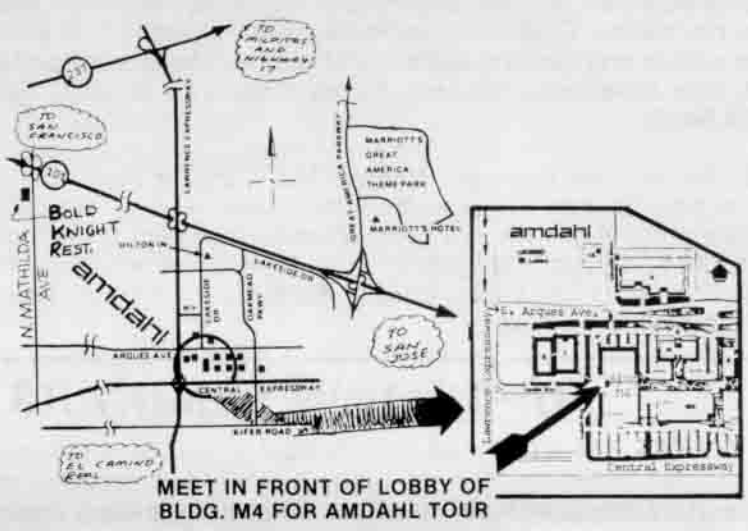
RESTAURANT: Bold Knight
769 North Mathilda Avenue
Sunnyvale

TIME: Tour — 5:00 to 6:00 PM
Social Hour — 6:00 PM
Dinner — 7:00 PM
Program — 8:00 PM

MENU: Beef or Sole

AMDAHL TOUR: Building M4 Lobby
E. Arques at Lakeside
Sunnyvale (see map)

COST: $13.00 Member or Guest
$ 5.00 Students



MEET IN FRONT OF LOBBY OF BLDG. M4 FOR AMDAHL TOUR

Please make reservations before noon Tuesday, May 14 by calling Chuck Carmichael at (415) 577-7544.
Note: Please honor your reservation as the restaurant will charge the Section for all meals ordered.

CHAIRMAN'S CLOSING MESSAGE

With our May meeting in Sunnyvale, the 75th year of activities in the San Francisco Section draw to a close. I have been pleased to serve the local ASME membership in continuing the good works of one of the longest running sections in ASME. Our activities have been many and varied this year, but because of limited space, I would like to focus mainly on the people that helped me to make this year a success. A complete 1984-85 section summary is available from the SF Section secretary.

First, the capable members of the section executive committee—Dr. Pius Chao, Vice Chairman, Robert Turner, Secretary and Julia Gee, Treasurer—all have worked together to provide good administration at the "top end" of the organization. Robert and Julia will represent the SF Section at the Region IX Administrative Conference in May. Jim Lehman and Greg Zaharoff, our two members-at-large, were ready and willing to take the many special assignments to insure the success of a specific project.

The eight monthly programs are the key activities of the section. A special thanks goes to Chuck Carmichael, our program chairman, and Lynden Davis, our publicity chairman, for ably handling two of the most important functions of section operations. The San Francisco Section had its first honors and awards banquet this year, through the tireless efforts of our honors and awards chair, Eleanor Bazelyansky; Eleanor has worked on the honors program for two years and has set standards I think all of ASME can look up to. Manuel Herrera has greatly improved the section's ties to the local universities. His important activities in university affairs include a speaker's panel for the students at UC Berkeley and the organization of the section's Farber Scholarship program. Through Beich Beichley's energy as this year's section representative to the Bay Area Engineering Council, we have revitalized our link with important work of the council. Beich's tremendous support for the section, going on nearly thirty years now, is of course legendary. More behind the scenes, but no less important to the section, include the work of Peter Van Alderwerelt in public affairs, Eric Worrell in membership development, Carl Farsai for member interest, and Jack Darnell in finance. A special thanks goes to Don Roth, past SF Section chairman, for chairing this year's nominating committee, that presented you with next year's slate of officers.

In closing, after reflecting on my association with the San Francisco Section since 1972, I think the words, the ones in small type, on the section newsletter masthead are a good summary of why I am active in ASME; I ask you to read them. Next year's San Francisco Section officers need your support and involvement. I know that I will be there; won't you?

—Donald R. Mullen
Chairman 84-85

1984-1985 San Francisco Section Officers and Chairs (Abbreviated List)

Chairman	Donald R. Mullen	(408) 746-3193	Member-at-Large	Jim A. Lehman	392-8927 x252
Vice Chairman	Pius C. Chao	577-7147	Member-at-Large	Gregory Zaharoff	864-2535
Treasurer	Julia Gee	882-1200	Program-Chair	Chuck Carmichael	577-7544

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JOB LISTINGS

If you have information regarding a job opening for mechanical engineers in your firm or elsewhere, contact the editor for information regarding an announcement in the ASME San Francisco Section monthly newsletter. The newsletter reaches over 1,400 mechanical engineers each month as well as many University Student Sections.

POSITIONS AVAILABLE

ASSISTANT ENGINEERING MANAGER

CPM is a world leader in process equipment manufacturing and sales. This newly created position, located in downtown SF, will be responsible for the development and implementation of systems to enhance department performance. Qualified candidates must possess 5-10 years administrative engineering experience with an emphasis in engineering department methods/systems applications. Mechanical engineering degree and machine design experience required. Forward resumes to: CPM, PERSONNEL DEPT., P.O. BOX 6806, SAN FRANCISCO, CA 94101. EOE — Part of worldwide Ingersoll-Rand

Sr. Mechanical Engineer Wanted. MS +5 yr. or Ph.D. required; analytical design, stress analysis and/or fracture mechanics with strong computer skills needed. We offer outstanding pay and benefits plus professional freedom and growth in a consulting environment for an individual with outstanding credentials and superb written and oral communication skills. Permanent residency required, equal opportunity employer. Send resume to Mechanical Engineering Section Recruiting c/o Gayle Peters, Failure Analysis Associates, 225 E. Bayshore Rd., Palo Alto, CA 94303.

UPCOMING SEMINARS IN SAN FRANCISCO

"STATISTICAL PROCESS CONTROL," a two-day seminar addressing methods of improving a company's competitive position by increasing productivity and reducing manufacturing costs, will be held May 16 and 17, 1985. Course participants will learn how and where to apply modern techniques of statistical process control to reduce costs, eliminate deficits, and improve productivity in their organizations. No previous knowledge of process methods is assumed.

"OPTIMIZING MANUFACTURING PROCESSES: TAGUCHI DESIGN METHODS AND RESPONSE SURFACES," also a two-day seminar, will be held May 20 and 21, 1985. The ability to engineer quality into basic product/process design, and then to translate this into a manufacturing system that operates at optimum effectiveness, is critical in today's competitive environment. Japanese industries have been particularly effective at this, and the work of Dr. Genichi Taguchi, who won the Deming Prize in 1960, has played a major role. This seminar concentrates on the Taguchi method, and other important design techniques. Participants will learn techniques for better understanding of the process, prevention of defects, and reduction of manufacturing costs.

Both seminars will be held at the San Francisco Hilton. They are sponsored by the University of Washington, and are designed for engineers, managers, quality control and quality assurance personnel, manufacturing engineers, development engineers, and others who are involved in quality and productivity improvement activities.

The instructor is Dr. Douglas C. Montgomery, Professor of Industrial Engineering at the University of Washington in Seattle. Winner of several awards for teaching effectiveness, Dr. Montgomery has served as a consultant to numerous organizations in developing and installing a statistical process control program and in applying experimental design methods to process development and optimization. He has broad experience in the electronics, aerospace, chemical, automotive, and food/beverage industries.

For further information, contact Engineering Continuing Education, University of Washington FH-19, Seattle, WA 98195. Phone: (206) 543-5539.