

SAN FRANCISCO SECTION THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS



MAY 1978

NEWSLETTER

RAY RAHN 415/781-4211 Editor

SECTION NEWS MAY MEETING

Place: Scoma's of Emeryville, 5901 Frontage Road, Emeryville, CA.
Time: Cocktails: 6:00 - 6:30 • Dinner: 6:30 - 7:30 • Meeting: 7:30 - 8:30
Menu: Sea Food Dinner — \$9.50 covers food, tax, and tip.
Speaker: Mr. Morris Guralnick of Morris Guralnick Associates, Inc.

Mr. Guralnick is a graduate naval architect from MIT. He has done considerable work in the area of Ocean Thermal Energy Conversion. The meeting topic will be the aspects of Mechanical Engineering relating to the maritime industry.

• CHAIRMAN'S NICHE •

Looking back on this last year as your Section Chairman, I am pleased with what we have accomplished. The organizational structure has been strengthened with the addition of the Financial Advisory Committee. This Committee has provided valuable assistance to our Treasurer. The Executive Committee has provided more latitude to our newsletter editor for developing new methods. The quality of this year's newsletters is a credit to his effort. The University Committee has done a great deal of work this year. We have developed new student interest in ASME. The Committee is reviewing our scholarship program and will be making recommendations on how we can be more effective.

There are other areas where work can be done. With the Executive Committee changing on a yearly basis, it is difficult to maintain both continuity and momentum. There has been an increased interest by the membership in the operation of the Section. My thanks to the engineers who volunteered their time to work on our Committees. I would also like to thank all of you who showed their appreciation for what we did by attending our monthly meetings. Your attendance was a measure of our success.

John W. Sale

☆ CALL FOR NATIONAL AGENDA ITEMS ☆

Each year ASME calls for agenda items to be submitted by the membership through their Parent Sections. The Parent Section reviews and submits selected items to the National Agenda Board for consideration by the Regional Administrative Conference (RAC).

If any member of the San Francisco Section needs further information or wishes to submit an Agenda Item, please contact:

C.D. Mote, Jr.
University of California — Department of Mechanical Engineering, Berkeley, CA 94720

— WELDING SEMINAR —

A welding seminar intitled "Practical Design For Welding" will be held in San Francisco, May 18-19, Hilton Inn Airport and Los Angeles, May 22-23, Hacienda Hotel Airport.

The purpose of the seminar is to provide a basic knowledge of welding design concepts in order that the participant may intelligently select the base metals, welding processes, weld filler metals, weld joint designs, and nondestructive testing methods which are required to design a weldment for economical fabrication. Fee for seminar is \$100.

CONTACT: O. Mcwane, P.O. Box 5175, San Jose, CA 95150 for brochure and registration information.

PNEUMOTRANSPORT 4 IN CALIFORNIA

BHRA Fluid Engineering is holding its fourth international conference on the Pneumatic Transport of Solids in Pipes, Pneumotransport 4, in Carmel-by-the-Sea, California, USA, from 26th to 28th June 1978. The meeting will be held in conjunction with the Colorado School of Mines and with the co-operation of the Materials Handling Division of the American Society of Mechanical Engineers.

Pneumatic conveying systems have many advantages if solids have to be moved within a factory complex, or over considerable distances. Pipelines are compact and have high carrying capacity; they are flexible and easily automated. Powders and particles can either be blown along a pipe or, if the material is very abrasive, they might be carried in capsules in large diameter lines. Pneumotransport 4 will feature a blend of practical and theoretical papers dealing with both methods.

Three applications of pneumatic conveying employed during the construction of the Trans-Alaska oil pipeline are described in a paper from Radmark Engineering Inc. of the USA. Pneumatic conveying methods proved to have distinct advantages over the other methods considered, for instance in the delivery of fill material into confined spaces where a high degree of compaction was required. Costs compared very favourably with other methods, in one case proving to be half the projected cost for an alternative system.

Papers from the UK, Japan, Germany, France and South Africa deal with other applications and new developments.

The latest results from the BHRA/TRRL pneumatic capsule pipeline investigations will also be presented.

Further details from the Organizing Secretary, Pneumotransport 4, BHRA, Cranfield, Bedford MK43 OAJ, England: Telephone 0234 (Bedford) 750422, telex 825059.

PNEUMOTRANSPORT 4 June 26-28, 1978, CARMEL-BY-THE-SEA, CALIFORNIA, U.S.A.

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— CLASSROOM REVIEWS FOR ENGINEERING EXAMS —

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Professional Engineering Registration Program — Dept. 40, P.O. Box 911, San Carlos, CA 94070
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