



**SECTION NEWS**

**CHAIRMAN'S NICHE**

During the last few months I have been following the impact of the coal strike on the eastern United States. Since this strike is affecting a portion of the country that is far away from our immediate concerns, I felt that a reminder to you as energy dependent engineers, and we all are would be in order. Rather than editorialize myself, the following letter to the editor of the *Oakland Tribune* dated March 6, 1978 reflects concerns that we should all consider.

**EDITOR:** The coal strike and its effects dramatically provide a good case for diversification of our power generation capabilities. It also demonstrates the hazard in arbitrarily eliminating nuclear power from our power system. In particular, nuclear generation plants (with their infrequent refueling schedule) provide a safe, reliable, and economical electrical source which is not susceptible to miner's strike, frozen coal piles, train/truck strikes, blocked rivers, droughts, etc.

As Ohio, Pennsylvania, Michigan, etc. run out of electricity, one discovers that Illinois is not a potential crisis state due (in part) to Chicago receiving nearly half its power from nuclear power. Utilities with large nuclear plants are in much better shape (a fact nearly totally absent from news stories). We must treat coal, nuclear, hydro, geothermal, solar, etc. as allies in power production and not competitors in developing a balanced power system.

The coal strike proves the anti-nuclear statement that we can conserve to accommodate very limited power supplies. Nine states are developing plans to enforce this "conservation" by turning off street lights, suspending pollution control, curtailing/shutting down factories, stores and offices, etc. The associated loss of jobs, savings, homes and the physical/emotional hardships are real but "overlooked" results of excessive, mandatory energy conservation.

Let's hope that we become aware of our great need for electrical power and that we begin again to provide it, rather than legislating, regulating, intervening, and obstructing power plants to the point of extinction. **LLOYD G. SMITH, Oakland.**

*Lloyd is an engineer who had something to say. WHAT ABOUT YOU...?*

**JOHN W. SALE — Chairperson**

**SECTION ACTIVITIES**

**Presentation by PACECO (Division of FRUEHAUF)**

*Tom Venator Sales*  
**SPEAKER** — Bill Reynolds, Production Engineer.  
**SUBJECT** — Containerized cargo handling projects and newly developed bulk handling methods.  
**DATE** — April 20th, 1978 • **PLACE** — Tia Maria Restaurant, 5 Marina Blvd., San Leandro.  
**TIMES** — 6:00: No Host Happy Hour • 7:00: Dinner • 8:00: Meeting.  
**MENU** — Puerto Vallarta Special (Combination plate with tossed green salad and enchiladas).  
**PRICE** — \$8.50.  
**RESERVATIONS MUST BE MADE WITH DEL WHIPPLE: PH. 835-3000, Ext. 456.**

**1978-1979 SECTION OFFICERS**

**Chairman:** C.D. Mote, Jr.  
**Secretary:** Jack R. Darnell  
**Members-at-Large:** D.F. Roth, J.F. Munro  
**Vice-Chairperson:** J.A. Bailey  
**Treasurer:** Delano "Del" Edward Whipple  
**Nominating Committee:** J.W. Sale, R.F. Steidel, Jr., J.E. Bradburn, R. Stuckgold, A.T. Anderson

☆ Congratulations Gentlemen!! ☆

**WOMAN'S AUXILIARY — Spring Meetings**

**APRIL 11** — 2 hour tour of the **FILOLI GARDENS** at Woodside. Starts at **10:00 AM** and is followed by a picnic lunch. Reservations should be made with **Stella French, Ph. (408) 736-8974.**

*Continued*

**APRIL 18** — Joint meeting with Santa Clara Men's Section of ASME. Meeting will be at **DOOLEY'S RESTAURANT in Foster City.** Dinner is at **6:00 P.M.** and costs **\$8.50** per person. Make reservations with **Stella French, Ph. (408) 736-8974.**

**MAY 9** — Pot Luck Luncheon at Mrs. Raymond J. Remillard's home. **12802 Glen Brae Dr., Saratoga, PH. (408) 252-3430.**

**REGIONAL NEWS**

**SAN MATEO ASME SUBSECTION TOUR OF MARCONA RESEARCH CENTER**

**Date & Time:** Saturday, April 15, 1978 10:00 a.m.

**Place:** Marconaflo Research Center, 1485 Armstrong Avenue, San Francisco, California

**Reservations:** Phone: Carol Wolfe, Ph. 572-3180, BEFORE April 11, 1978

**Tour Highlights:**

- Observe tests on Marcona jets.
- Flowback characteristics of slurry flow.
- Rocking tank simulator for ship roll and movement.
- Slurry lab equipment and procedures.
- Approximate duration: 1½ hours.

**Directions:**

Traveling north on Highway 101, S.F. exit at 3rd Street. Traveling south, turn at Cow Palace Exit and turn to 3rd Street at overpass. Continue on 3rd Street about 10 blocks to Carroll Avenue and turn right, then turn left on Jennings Street, continue 2 blocks & turn right on Armstrong Ave., & proceed to the Marconaflo Research Center.

**REGIONAL STUDENT CONFERENCE**

**Place:** San Jose State University • **Date:** April 21st and 22nd.

Sponsored by the ASME Student Section under the direction of Faculty Adviser Professor Phil Blair. In his first announcement to ASME Student Section members in the 10 schools attending the Conference, Dave Swope, Chairman of the Conference lists three reasons that the students will be glad they attended the Conference, here they are:

1. Listen to the presentations.
2. See the labs, Campus and regional community of SJSU.
3. Meet Students, Faculty and "real" engineers from the region.

This last item applies to all who would be free to attend and support this student activity. Remember, these are tomorrow's ASME Members. They will appreciate your support.

Make your reservation or obtain further information from Professor Blair at SJSU (408) 277-2443, or Ruth Gipstein, Secretary ME Dept. SJSU (408) 277-2484.

**NUCLEAR POWER FOR CALIFORNIA**

Printed below is a letter of concern. It is too late for any of us to act on. However, it is included to keep our newsletter readers informed.

Ray Rahn

March 16, 1978

To: Section Chairmen  
Policy Board Members

**Subject: Nuclear Power for California**

Jim Woodburn, a member of the Region IX Policy Board, brought to my attention recently the ruling by the Energy Resources Conservation and Development Commission against the construction of the Sundesert Nuclear Plant and Senate Bill 1015, passed by the Senate and now being considered by the Assembly, which would override the Commission's action. If the bill is passed by the Assembly it will go to the Governor for signing or veto in which case a two thirds majority is required to override.

I am writing to you to urge that you contact the Legislators in your area in support of nuclear energy for California. I am personally concerned that tomorrow's energy resources will not be in place when required. This plant has been approved by a number of regulatory bodies (over 100 million dollars has been committed); it is in a favorable location and is utilizing agricultural waste water. If this plant can't make it, what can?

You will recall that in our recent RAC's, we in ASME have strongly supported nuclear power and recognize that it has to be a significant contributor to the nation's energy requirements for the balance of this century.

*I will be writing Legislators on this matter and I urge you to do likewise. Time is of the essence; you should act before the end of March.*

Erich G. Weber, Vice-President — ASME; Pacific Region IX

**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.

*Detach*

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

**POST TO:**  
Organising Secretary,  
Pneumotransport 4,  
BHRA Fluid Engineering,  
Cranfield,  
Bedford MK43 OAJ,  
England.

**Please reserve me one place for Pneumotransport 4<sup>1</sup>**

Inclusive Conference Fee	US \$175.00	Please tick <input type="checkbox"/>
ASME Members	\$150.00	<input type="checkbox"/>
Authors of Accepted Papers	\$125.00	<input type="checkbox"/>
After May 1 Add	\$ 25.00	<input type="checkbox"/>

Fees should be included with this reservation form, and be made payable to BHRA Fluid Engineering<sup>2</sup>

The fee covers: Registration fee, Preprints, Luncheons and refreshments daily; Reception and Conference Banquet

I have organised my accommodation through Kel-Mar Service   
I have made my own accommodation arrangements

**Additional Proceedings**

Please enter my order for one set of the Proceedings of Pneumotransport 4. Mail and invoice to the later   
at £20.50 (UK) US \$50.00 (Elsewhere)   
(DO NOT SEND MONEY FOR PROCEEDINGS NOW)

Date: ..... Signed: .....

**MY ADDRESS IN BLOCK LETTERS IS AS FOLLOWS:**  
(Delete as appropriate) Prof/Dr/Mr/Ms.

Initials: ..... Surname: .....

Organisation: .....

Postal Address<sup>3</sup>: .....

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..... Country: .....

Telephone: ..... Telex: .....

1. Please submit one form for each delegate - photocopies of blank form may be used. 2. For those wishing to effect bank transfers, the BHRA account is with the National Westminster Bank, Warley End, Cranfield, Bedford, England, Account No. 00515787. 3. Unless BHRA is otherwise notified all further correspondence will be sent to this address.

— CLIP OUT FOR MAILING —

**THE ALUMINUM WELDING SEMINAR**

The two-day seminar which will cover the latest developments in welding of aluminum will be held at the Sheraton - Palace Hotel in San Francisco, May 17-18, 1978.

The meeting, sponsored by the Aluminum Industry, the American Welding Society, the American Society for Metals and Welding Design and Fabrication Magazine is the fifteenth in a series of aluminum welding seminars scheduled in different parts of the United States.

The Seminar is designed for engineers and supervisors in firms that now join, or plan to join aluminum. The speakers on the program are among the world's leading experts on aluminum welding and are involved with solving the practical joining problems that may arise in production operations.

**For reservations, please clip the attached form and mail to:**  
**The Aluminum Welding Seminar**  
**The Aluminum Association, Inc.**  
**818 Connecticut Avenue, N.W.**  
**Washington, D.C. 20006**

**Additional information may be obtained by calling Mr. Peter Pollak at The Aluminum Association, Inc. Ph. (202) 862-5100.**

**Please reserve my place at the Aluminum Welding Seminar**

\$85 reservation fee enclosed  Please Bill

Company: \_\_\_\_\_

Address: \_\_\_\_\_

Name: \_\_\_\_\_ Title: \_\_\_\_\_

\*Social Security Number: \_\_\_\_\_

\*Record keeping requirement in compliance with the National Task Force on the Continuing Education Unit Criteria

**INSTITUTE OF NOISE CONTROL ENGINEERING**

INTER-NOISE 78, the seventh in a series of International Conferences on Noise Control Engineering to be held May 8-10 in San Francisco, California, USA, will stress the theme: DESIGNING FOR NOISE CONTROL. The conference is organized by the Institute of Noise Control Engineering (INCE/USE) in cooperation with the National Bureau of Standards (U.S. Department of Commerce) & other leading Federal agencies & professional societies.

**SEMINAR.** The INTER-NOISE 78 Seminar is a three-day (May 4-6), intensive short course on the "Techniques of Noise Control" to be presented in advance of the conference.

**DISTINGUISHED TUTORIAL LECTURES.** A series of state-of-the-art reviews will be presented by five Distinguished Lecturers on topics related to the theme.

**SESSIONS.** 150 papers will be presented on all aspects of noise control, including industrial noise, community noise, transportation noise as well as advances in measurement and materials technology.

**PANELS.** Three panel discussions will be given on the following topics: (1) Statistical analyzers for community noise. (2) What does INCE mean to me? (3) Uses of sound power levels for regulatory purposes.

**CLINICS.** Two noise clinics on the evenings of May 8 and 9 will present solutions for typical problems encountered in practice.

**EXHIBITION.** The INTER-NOISE 78 Exhibition will feature the latest equipment and materials for noise measurement and control.

**EXAMINATION.** The INCE Fundamentals Examination, a two-hour multiple-choice test which substitutes for the EIT examination as one requirement for INCE membership will be offered at no additional charge for INTER-NOISE 78 registrants on May 10.

**PROCEEDINGS.** One copy of the INTER-NOISE 78 Proceedings book (approximately 900 pages) will be distributed to each registrant at the conference. Copies may be ordered for shipment by mail after May 10.

**TO PARTICIPATE AT INTER-NOISE 78**

**ADVANCE REGISTRATION** at the reduced registration fee of \$65.00 is available if registrations are made on or before April 15th. The advance registration fee includes one copy of the INTER-NOISE 78 Proceedings book and two social events. After April 15 and at the Conference, the registration fee will be \$75.00. Spouse registration: complimentary when accompanying spouse.

**HOTEL ACCOMMODATIONS** must be arranged by the participants. Please refer to INTER-NOISE 78 to receive the special information rates available to INTER-NOISE 78 participants at the Jack Tar Hotel.

For the additional information on the Seminar or Conference, contact: **INTER-NOISE 78 Secretariat, P.O. Box 3469, Arlington Branch, Poughkeepsie, NY 12603, Telephone: (914) 462-6719.**

**EMPLOYMENT OPPORTUNITIES**

**Lendman Associated Career Conference**

CAREER CONFERENCES are hiring conventions which allow you to personally meet and interview with representatives of the nation's leading corporations. You select and interview with companies based on your interest in their organization and positions which they represent. Lendman Associates is the nation's largest single source for obtaining professional employment. In twelve years, over 600 CAREER CONFERENCES have taken place involving over 3000 hiring companies and resulting in over 27,000 hires.

**Next CAREER CONFERENCE — May 12-13, in San Jose.**

Clients . . . . .30-40 National companies including representatives of Westinghouse, IBM, Honeywell, Ford, Signetics, Tektronix and many more.

Positions . . . Hundreds of positions in all engineering disciplines in 0-10 year experience range. Salary range from 15-30K.

Cost . . . . .None — All costs and fees are paid in full by participating companies.

Over 100 CAREER CONFERENCES are held annually nationwide. Other CONFERENCES will be held soon in San Francisco, San Diego and Los Angeles. For further information on how to participate, please write or call:

Bill Yoder — Engineering Coordinator, Lendman Associates  
333 Serramonte Plaza, Suite 145, Daly City, CA 94015 • PHONE: 415/755-2212