



District Heating

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The five Standing Committees reported:

1. Advertising. The rate increase recommended by the Chairman, approximately 20% on January 1, 1977 to cover the escalating production costs of the magazine, was approved; and classified ads will be offered for a four-issue trial period to determine if there is a need for them.
2. Educational. This Committee's project is the preparation of the manuscript for the Fourth Edition of the Association's Handbook—a progress report was presented.
3. Membership. The Chairman presented comparative membership statistics for 1975 and the first eight months of 1976, and the current year showed a small gain. Applications for three new company memberships, and their official representatives, were approved: University of Arizona and Robert B. Criger; Combustion Engineering Inc. and Noel D. Hazzard; and J. L. Richards & Associates Ltd., Consulting Engineers, and C. Noel Kirby. The Chairman will send out a mailing to several hundred prospective members to try to increase membership.
4. Publication. This was a general report on the status of all Association publications.
5. Public Affairs. Purpose, scope, and activities were discussed, and definite steps were taken to assist the Chairman in accomplishing the objective for which this Committee was established. The Chairman will schedule consultation meetings in Washington, D.C. whenever possible.

Currently there are three Appointed Committees

- (1) Metering Code (2) Modular Integrated Utility Systems (MIUS) and (3) Piping Code:

1. Metering Code had no report. [*Note to Members:* The "Code for Steam Metering" (Preliminary), a 43-page copyrighted book, is now for sale TO MEMBERS ONLY at \$10 per copy.]
2. MIUS. The demonstration project at St. Charles, Maryland was reported to be still under construction.
3. Piping Code. This Committee is working on a proposed new publication, the IDHA Operation and Maintenance Manual, and a progress report was presented by the Committee Chairman.

The Board discussed the most recent communication from the Building Research Advisory Board, National Research Council, Commission on Sociotechnical Systems, Washington, D.C. This Governmental Agency is working on a project for the exchange of information between the United States and Russia, and IDHA has been invited to participate in the area concerned with industrialized building systems and utilities. The Chairman of the International Relations Committee was charged with the responsibility of obtaining more information before the Association can make a commitment to cooperate.

Past President Clymer reported that he had compiled a draft of the data requested by the German District Heating Association (AGFW); and it would be finalized after the Executive Committee had reviewed and approved it (see Page 5 for Report).

The Association has one local geographical chapter: the "New England Section of IDHA," and Vice-President Tuck is the Section's National Delegate. The Section meets regularly four times a year; all are dinner meetings which include a guest speaker(s); and sometimes, in addition, there is a pre-dinner tour of some plant or heating and/or cooling facility. The October 3 Meeting group visited the 1200-ton per day Resco refuse/energy plant in Saugus, Massachusetts.

The Section's excellently attended outstanding meetings, and continued success, prompted a discussion about the possible organization of similar chapters in other areas of the country.

The Nominating Committee, appointed by President Riley to prepare a slate of candidates for the June 1977-78 term of office, will consist of the Association's three immediate past presidents; Ellwood Clymer, Carroll Easton, and Alvin Spetz—with Mr. Clymer as the Chairman. The Committee welcomes suggestions of possible candidates.

Before adjournment, the Marriott Inn in Pittsburgh on March 16 and 17, 1977, was selected for the spring meetings of the Technical Organization, Executive Committee, and Board of Directors Meetings. *

ITEC REPORT

by Edward Stoltz, Jr.
Manager, Central Heating and Cooling Products
Johns-Manville Sales Corporation

The International Total Energy Congress in Copenhagen, Denmark, October 4-8, was sponsored by Miller-Freeman Publications. More than 24 highly technical papers were delivered; all in English, and presenting varied points of view. Suppliers and engineers exhibited their products and services.

The majority of papers dealt with methods of "prime movers:" types of power plant equipment and fuel, their advantages and disadvantages, etc. Areas covered were gas turbines, fluidized beds, refuse incineration, diesel applications, industrial process heat, nuclear generating systems, heat storage, long distance heat, transmission and distribution, total energy concepts, system developments and heat pumps. Some papers reported studies underway, but a significant number reported the results of actual operating experience.

It was quite apparent that District Heating in Europe is significantly different and much further advanced than in the USA. The great majority of existing systems are hot water (120-125 C), but the trend is to get down to the 80-85 C range. The need for conservation of

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ASSOCIATE COMPANY

CH₂M Hill Inc.

1500 114th Avenue S.E.
Bellevue, Wash. 98004
Represented by **Frank R. Lanon**
Director of Utility Rates

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Ann Arbor, Mich. 48103
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Represented by **Robert O. Edeskuty**
Manager and Mechanical Engineer

Keen Engineering Ltd.

545 Clyde Avenue, #214
West Vancouver, B.C., Canada V7T 165
Represented by **Gerald H. Tanner**
Manager, Industrial Division

(Memberships approved after October 1, 1976 become officially effective on January 1, 1977. They will, therefore, be included when new members for that year are published.)

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every bit of energy was vividly displayed when we observed, in Odense, Denmark a 20-in. (508-mm) main with 2-3/4-in. of polyurethane foam operating at only 85 C.

Approximately 250 persons attended the Congress. Among the countries represented were Great Britain, France, West Germany, Sweden, Norway, Rumania, Australia, Finland, Canada, Belgium, and the Netherlands.

Products and Publications

Leslie Company

401 Jefferson Road, Parsippany, N.J. 07054

1. Brochure which describes no-moving-parts, cone-and-diaphragm check valve for non-return-flow applications. Complete specifications included, plus data on velocity and pressure drop, diaphragm materials and selection, valve sizing and selection criteria.
2. Data bulletin on the Steam-Mate steam loader which enables the Company's GP pressure reducing valves to function in systems where no control air supply is available. Includes a typical system schematic, plus complete specifications.

Daniel Industries Inc.

P.O. Box 19097, Houston, Texas 77024

Brochure on DanScan II, a new data scanner/logger with an eight-bit microprocessor which can be used to gather, log and record flows, pressures, and temperatures from pipelines, distribution systems, heating and cooling systems.

Ric-Wil Inc.

P.O. Box 151, Brecksville, Ohio 44141

Brochure explaining a complete Energy Conservation Program applicable to manufacturing and public service facilities and institutions; defines energy problems and presents solutions.

Combustion Engineering Inc.

1000 Prospect Hill Road, Windsor, Conn. 06095

Brochure PSG-4909 entitled "C-E Modular Design VU-60 Boilers" (16 pages) describes field-erected industrial boiler series designed to fire oil, natural gas or a range of process waste fuels. VU-60's are custom designed from pre-engineered modular components, and capable of delivering over one million lb of steam/h.

Johns-Manville Corporation

P.O. Box 5108, Denver, Colo. 80217

1. Brochure IND-3130 explains a quick graphic method for figuring heat loss in thermal insulations; based on elementary heat transfer theory and experimental data.
2. Form IND-3189 has been issued to tie in with J-M's new service, Econ Insulation Savings Computer Analysis, to gather information needed to determine the most economic thickness of insulation for various piping and flat surface applications. Completed form to be returned to J-M to partake of service.

Let us know if you have any old Proceedings
or a 1951 Handbook. Members need them!