



# District Heating



HOTEL HERSHEY, HERSHEY, PENNSYLVANIA

SITE OF THE IDHA 1969 ANNUAL MEETING — Page 4

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(Continued from Page 7)

Section 4—The duties of the Technical Committee Chairmen assisted by their sub-committee chairman shall be to keep abreast of developments, problems and needs for research within the technical area assigned each committee; to take the initiative in seeking out areas of timely interest for the development of technical papers; to obtain suitable technical papers for inclusion in the annual meeting program; and to serve as consultants regarding requests for technical information received by the Association.

Article X—Former Article IX without change.

Article XI—Former Article X without change.

Article XII—Former Article XI without change.

Article XIII—Former Article XII without change.

## NEW ENGLAND SECTION OF IDHA

**James G. Simmons, Section Secretary**

In February, the Executive Committee held a luncheon meeting and the business discussed included (1) ways and means of increasing membership and the formation of a membership committee and (2) the general meeting scheduled for March.

On March 18 the general meeting for members and guests was held at Blinstrub's Old Colony Restaurant, and there were 34 members present. After dinner at the business meeting, the Treasurer's and the Secretary's reports were presented and accepted.

The guest speaker, Mr. Thomas C. Bishop of Cities Heating Co., Ltd. in London, Ontario, Canada, presented a program on the use of package boilers in the district heating industry. A question-answer period followed.

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# ... HAVE YOU HEARD!

### **Osaka, Japan**

The Osaka Gas Company is installing what is expected to be the world's largest district heating-cooling plant, to serve a large residential area in suburban Osaka. Construction was begun in January, 1969 and the scheduled completion date for the \$6.9 million installation is 1973. Part of the system will be ready for operation in March, 1970 to cool the buildings on the nearby site of the Japan World Exposition (EXPO '70) and will be kept in operation during the six-month period of the exhibition.

Planned capacity of the energy plant is 17,000 tons for cooling and 55,000 kg-cal (218000 Btu) per hr for heating. Cooling water will be 5 C (41 F) and steam for heating will be supplied at 180 C (356 F). Twelve kilometers (7.5 miles) of distribution piping will supply the heating-cooling service, and provide domestic hot water to 930,000 people in 54,000 medium-sized living rooms. Department and specialty stores, hotels, subway stations, offices, and amusement areas will also be supplied with heating and cooling.

### **Sacramento, California**

The State of California has a new \$11 million central heating-cooling plant which will provide service to 44 state buildings by the year 2000. At present, the Capitol and 14 other state buildings are being supplied with heat from the plant. By the spring of 1970, cooling service will be available.

The central plant covers a 30,000 sq ft area, and the distribution piping is from one to 24 inches in diameter. Reinforced concrete piping carries condensate and cooling water between the Sacramento River and gasoline turbines in the plant.

Eventually, old heating and air conditioning equipment will be removed from each building, providing extra office or storage space.

It is reported that the key factor in the state's decision to build a central plant was economical operation.

### **Sapporo City, Hokkaido, Japan**

The Hokkaido Heat Supply Corporation is constructing a district heating system in Sapporo which will supply a 1.5 sq kilometer (0.58 sq miles) area with heat from five coal-fired boilers. Hot water at 220 C (428 F) will be supplied to about 60 buildings through 45-centimeter diameter (18 in.) piping at the rate of 500 tons per hr. The 70-meter (230 ft) stacks will be equipped with soot collection devices estimated to be 98 per cent efficient.

Construction of the plant and laying of the main pipes will be completed by summer this year. The ten-year project will cost about \$11,691,381.

Sapporo will be the site of the 1972 Winter Olympic Games.