



NEWSLETTER

INFORMATION & NEWS FROM ASHRAE
OTTAWA VALLEY CHAPTER

NOV 14 1983
NOVEMBER, 1983

P.O. Box 3123 Station "C" Ottawa, Ontario K1Y 4J4

MEETING

Date: November 15, 1983
Time: 5:30 to 6:30 - Social
6:30 to 8:00 - Dinner
8:00 - Program
Place: Cathay House Restaurant
228 Albert Street (upstairs)

PROGRAM

Topic: "Integrated Energy Cascading Project", University of Ottawa by Alex Juchymenko.

This project, supported by the Ontario Ministry of Energy due to its innovative combination of co-generation, medium temperature heat pumping and steam recompression will be presented. This utility generation project makes thermal energy at half the cost of a traditionally fired natural gas boiler with cheaper electrical energy as well. Members should be particularly interested in how these technologies can work off each other to advantage. The starting rejected heat source is the campus chiller cooling tower water.

On a stand-alone-basis, the capital cost has a return on investment of 2.9 years; not bad for alternative utility generation.

Mr. Alex Juchymenko, P. Eng., is presently self-employed (Cogeneration Associates Ltd., Toronto) as a specialist in energy use and generation. His previous careers have been with E.M.R., Ontario Hydro and Emerson Electric. He is an active member of the International Energy Agency.

TOUR

The University of Ottawa Power Plant has won Architectural Awards, and an Electrical Energy Conservation Award from Ottawa Hydro. A general plant tour will include the new steam turbine cogeneration equipment supplied by Westinghouse, Canada. The plant at 720 King Edward Ave., just off Somerset St. East, is the site of an Integrated Energy Cascading System, the topic of the evening's program. 4.02

PRESIDENT'S MESSAGE

The November meeting has been designated the membership night, and we wish the membership committee every success in their work to increase the Society membership. The drive for new members is vital to the growth of the Society, and any help you can give to the membership committee will be appreciated.

The goal for net membership increase from July 1, 1983 to June 30, 1984 is 5%. New member growth is based on completed and paid memberships processed by June 1, 1984. In our case this means a minimum of 13 new members, but the goal of the membership committee is a net increase of 34. We also have a goal of 4% advancement on upgrading our membership.

The goal for membership is set by the society President when he assumes office, and is part of the criteria for the Presidential Award of Excellence (PAOE). The PAOE establishes the standard of performance of the ASHRAE chapters and the PAOE is the objective of our chapter for the 1983-84 season. The PAOE applies to membership, meeting attendance, educational activities, CRC attendance, research promotion, energy management activities and chapter activities.

So, in order for our chapter to grow and prosper, we need members who are willing to contribute of their time and expertise to achieve our goals.

The November meeting is the last meeting this year, and in place of the Christmas dance the special events committee is planning a night at the races in the new year. The tentative date is Friday, January 20, 1984. More about this in the next Newsletter.

John Lunde

ACEC AWARD OF EXCELLENCE

The Association of Consulting Engineers of Canada (ACEC) presented the Award of Excellence to Oboe Engineering Ltd. in Ottawa on October 26, 1983.

The president of the firm, Oliver Foulkes, P.Eng., is a member of the Ottawa Valley ASHRAE Chapter and a Past President of the Winnipeg Chapter. The award was given in recognition of Oliver's work on the design and construction of a solar grain dryer in Central America.

Our congratulations for a job well done!

MEMBERSHIP

Remember the November chapter meeting is Membership Night and every chapter member is the extension of your Membership Committee. Be prepared to bring names of potential candidates, or better still, a prospective candidate for Society membership. Your committee will be in attendance ready to assist; your committee members are:

Ray Young - Chairman
Rudy Jetzelsperger
Sharon Findlay
Bill McKinnon
Keith Murfin
Bev Neill

GOLF TOURNAMENT

On September 15th, the annual ASHRAE Golf Tournament was held at Mont Ste. Marie, Que. There were 79 golfers and 81 diners in attendance and a good time was had by all. The winners were:

Charlie Hobbs - low gross for the Governors Trophy
Joe Ting - low net for the Dunham Bush Trophy
Pat Bouchard won the James Moore Trophy.

A special thanks to all Companies who contributed prizes.

Ted Horricks

FOOD FOR THOUGHT:

'Air conditioning on the rocks'

Engineers are trying to cool off the sizzling rise of energy costs in large buildings with a method that goes back many years.

The new State of Illinois Centre here and 10 buildings in the suburbs will use ice for air conditioning.

This isn't exotic technology, but it saves money and spreads energy demand over a 24-hour period, and that's why it is attracting a lot of attention.

Years ago, ice was cut from frozen ponds and lakes, stored in straw in icehouses and used months later on sultry summer days to cool buildings.

The practise ended with cheap electricity.

But electricity isn't cheap anymore. Hence the return of the iceman.

ENERGY MANAGEMENT COMMITTEE

The Energy Management Committee is again hoping to put on a seminar as well as providing a Speakers' Bureau and recruiting entries for the Energy Awards Program. One of the considerations this year would be to hold our seminar in conjunction with an exposition or similar happening. If you feel you could help, then you would be a welcome addition to the team.

The Committee is tentatively composed of the following members:

Ludwig Cyfracki
Hakim Elmahdy
Bruce Findlay
Les Jones
Gerry Patterson
Tom Reid

Please contact me if you have any ideas.

John Jones
Chairman, Energy
Management Committee

Any one wishing to submit a notice of interest in the ASHRAE Bulletin, please contact Pat Durkin, 741-4324.