

Capital Communiqué

AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR CONDITIONING ENGINEERS

APRIL, 1991

ENERGY NIGHT

PROGRAM: APRIL 16, 1991

SUBJECT: THE APPLICATION OF AXIAL & MIXED FLOW FANS IN VARIABLE AIR VOLUME SYSTEMS

SPEAKER: N.E. Weber-Brown, P.Eng.

General Manager, Mechanical Products Department
GEC Alstom International Canada Incorporated
Etobicoke, Ontario

Mr. Weber-Brown graduated in Mechanical Sciences at Cambridge University, Great Britain in 1959. He joined the Woods Fan organization, a subsidiary of the U.K. General Electric Company, in 1977. From 1980 to 1989 he was General Manager of the Woods Fans business in Canada, located in Mississauga, Ontario. Following a reorganisation last year, of the GEC activities in Canada, he has been responsible for the Company's mechanical products sector; this includes the Woods and Xpelair fan business, plus its activity in the small diesel engine/generator market.

In his presentation he will explore the key characteristics of controllable pitch axial and variable speed mixed flow fans as applied to VAV systems. Particular attention will be given to energy consumption, acoustic profile, system effects, space requirements and similar factors which affect the designers choice of fan. Comparison will also be made with radial flow fans.

SOCIAL: 17:00 Hrs.

TECHNICAL SESSION: 17:15 Hrs.

DINNER: 18:30 - 20:00 Hrs.

PROGRAM: 20:00 Hrs.

Phileas Fogg Metropolitan House, 99 Bank Street, MacDonald Room

MENU

Vegetable vinaigrette
Roast Tom Turkey
Whipped potatoes - vegetable
Coconut Cream Pie

TECHNICAL SESSION

April's session features a 60 minute video starting at 5:15 P.M. from ASHRAE, Atlanta, on "Air Distribution Equipment". There will be a 15 minute question period following the video. BE SURE TO ATTEND.

COMMITTEE CHAIRMEN

Financial

Ross McIntyre

Audit

John Lunde

Membership

Rick Bell

Telephone

Mike Swayne

Education

Dalton McIntyre

Frank Vaculik

Technical

TBA

Energy

Andrew Bodanowicz

Refrigeration

Don McKeen

Research

Bill McKinnon

Program

TBA

Special Events

Gilbert Cavill

Publicity

Marv Whalen

Communiqué

Pierre Gagnon

Greeters

Peter Grabner

CRC

Chris Frauley

Nominations

John Dugan

Al Oakes Award

Bill McKinnon

Advisory

Byron Landry

Government Affairs

Gabriel Laszlo

Chapter Historian

Paul Baker

Roster

Randy Snow

PRESIDENT'S MESSAGE

The theme for our April Chapter meeting is "Energy Night". Our chapter's Energy and Technical Activities Committee, headed by Andy Bogdanowicz, is in the final stages of preparation for the two day mini-course on Cogeneration Technology which is scheduled for April 15/16 at the Talisman. The ASHRAE Ottawa Valley Chapter is co-sponsoring this event with the Ontario Ministry of Energy, Consumers Gas and Ontario Hydro. Following the course, the registrants will be invited to attend our April Chapter meeting which will offer our members the opportunity to compare notes on this meaningful course.

Bill McKinnon will also be continuing his promotion of the annual ASHRAE Research Campaign. This research provides technical data which we, in our industry, use in our every day work in some form. Here is an opportunity to contribute and "put something back in" to our industry. Bill requires more volunteers to assist him in contacting potential donors so please offer your assistance in this regard. Let's uphold the Chapter's long standing tradition of having a large number of volunteers sharing in the work as opposed to one individual being burdened with the responsibility.

Byron Landry

**APRIL TABLETOP DISPLAY IS SPONSORED BY
LES VENTES DENIS GAUVREAU INC.**

The product display this month will feature the **ITT Bell & Gossett ESP Plus Selection Program**. The display will be manned by Serge Lemay of Les Ventes Denis Gauvreau and an ITT factory representative. They will be available to answer any Bell & Gossett application questions you may have. Please plan to drop by their display.

CURLING REPORT

The "bigger and better" 1991 ASHRAE Curling Bonspiel was a complete success, thanks to the curlers and Randy Cavill, Committee Chairman.

Congratulations to the winners: Adam Beales, Dan Grant, Dan Downery, and Mark Kerzner, the "Engineered Air" foursome.

Special thanks to Stan Millross, our M.C. and all those who donated prizes, especially Marv Whalen for his engraved mugs.

**ASHRAE PROFESSIONAL DEVELOPMENT SEMINAR
SIMPLIFIED ENERGY CALCULATIONS
MAY 2 - 3, 1991, OTTAWA**

The Seminar covers ASHRAE's Simplified Analysis Procedure including the use of bin methods, load profiles and equipment - system - plant - control modeling.

For further information, contact ASHRAE's Education Coordinator, Mrs. Robin Campbell, (404) 636-8400.

CO-GENERATION TECHNOLOGY WORKSHOP

Monday and Tuesday, April 15 & 16, 1991
Talisman Motor Inn
\$250.00 Registration

Registration accepted at the door 7:00 - 8:00 a.m.

The practical application of the co-generation of thermal and electrical energy in commercial, institutional and industrial facilities.

Jointly sponsored by: Ontario Ministry of Energy; Consumers Gas; Ontario Hydro; ASHRAE - Ottawa Valley Chapter.

For further information contact Andrew Bogdanowicz (613) 727-5111.

ASHRAE RESEARCH

First and foremost, THANK YOU to the **three** members who responded to the call for volunteers to staff the Research Committee.

Second - Where was (is) the rest of the membership? This committee needs 40 of the Ottawa Valley's 360 ASHRAE Members to donate one hour of time over the next two months. If you are not comfortable approaching Research Investors other tasks are available.

Please call 830-1411 or Fax 830-3523 to volunteer.

Questions and Answers about ASHRAE Research

Does ASHRAE have a research laboratory?

No. ASHRAE maintained a laboratory until 1958. Today, ASHRAE Research is conducted by universities and organizations throughout Canada and the United States under contracts with ASHRAE.

Pick up a booklet at the Research Table to find out more.

New Research Projects

ASHRAE Research Project 677
Effect of Automatic Sprinkler Protection on Smoke Control Systems.

At the Winter meeting TC 5.6 recommended that this Research Project be funded at a cost of \$105810 (US). The project is to commence April 1, 1991.

Research will be conducted by:
Institute for Research in Construction
National Research Council
Ottawa, Ontario.

ASHRAE Research Investors to Date

Applied Insulation Company
O. Horvat
C.M. Kerr

Please bring your investment to the Research Table at the next meeting.

Bill McKinnon, Chairman,
Ottawa Valley Research Committee.

NOMINATIONS

As Chairperson of the Nominating Committee I am very pleased to propose the following slate for Board of Governors 1991-92:

- President Chris Frauley
- Vice President Neil Armstrong
- Secretary Ross McIntyre
- Treasurer Pierre Degagne
- Past President Byron Landry
- Governor Dave Eastwood
- Governor Pierre Gagnon
- Governor Gemma Kerr
- Governor Cam McNeil
- Governor Jim Schick

In the event there are no nominations from the floor, the membership will be asked to endorse the proposed slate at our April Chapter Meeting.

Respectfully submitted,
John Dugan.

MONTHLY SMILE

Be like a postage stamp--stick to one thing until you get th

ASHRAE, Ottawa Valley Chapter Board of Governors
can be reached at P.O. Box 3123, Station "C", Ottawa, Ontario K1Y 4J4

Publication deadline is the first Tuesday of each month
The Editor - Marc G. Carrière Fax: 727-5115 Phone: 727-5111

