

Capital Communiqué

AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR CONDITIONING ENGINEERS

JANUARY, 1994

PROGRAM

DATE: January 18, 1994

THEME: STUDENT NIGHT

SPEAKER: MR. GEOFFREY ADAIR, P.ENG.

Geoff is a graduate of The University of British Columbia in Civil Engineering. In 1986, after nine years with The Dillingham Corporation as a Project Engineer, he joined the family business, Adair Industries of Vancouver. Adair Industries Ltd. manufactured and marketed hydronic radiant heating panel systems under licence from The Airtex Corporation of Chicago, Illinois. Early in 1993, both companies were acquired by Engineered Air of Calgary Geoff is now Product Sales Manager, Radiant Panel Systems for Engineered Air. He is a member of APEBC and ASHRAE. He was recently a member of ASHRAE Technical Committee TC 6.5 and was a major contributor to Chapter 4 of the 1992 ASHRAE Handbook.

SUBJECT: PERIMETER HYDRONIC RADIANT HEATING

Since introduction over 35 years ago, millions of square feet of hydronic, radiant panels have been installed throughout North America. Radiant panel systems offer a cost effective, maintenance-free alternative to traditional perimeter hydronic heating systems. Mr. Adair will discuss design and application considerations of hydronic radiant heating systems.

SOCIAL - 17:30 Hrs

DINNER - 18:30 - 20:00 Hrs

PROGRAM - 20:00 Hrs

**Phileas Fogg Metropolitan House
99 Bank Street, MacDonald Room**

MENU

Tossed Greens

Veal Parmigiana

Potato Wedges - Vegetables

Lime Pie

PRESIDENT'S MESSAGE

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- Table Top**
Paul Séguin
- CRC '94**
Guy Bourbonnière

Happy New Year Everyone!

I have enjoyed the first half of my reign as President and I hope you too have found the meetings enjoyable.

Looking towards the future, we have a lot planned. We continue to draw strength from our membership for constructive input and support. In '94 we will continue our strong emphasize on membership, education, refrigeration and TEGA.

Our Education Committee is continuing to take large strides forward and our January Student Night is expected to be very successful. Please come out and help develop the "Minds of the future".

May you all live long and prosper in '94 and the years to come.

Ross McIntyre
President

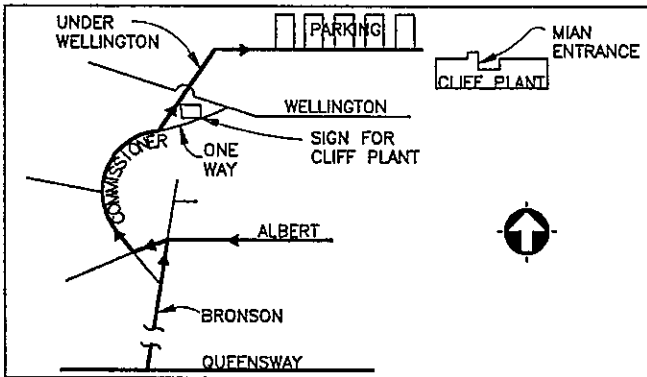
TOUR

WHERE: Cliff Central Heating and Cooling Plant
(See Map)

WHEN: January 18, 1994

TIME: 3:00 p.m. and 4:00 p.m.

The Cliff Central Heating and Cooling Plant has a total cooling capacity of 29,000 tons and serves approximately 40 buildings, including the Parliament Buildings. It has two 8,500 ton R-22 chillers. The combined heating and cooling plant is one of the largest in North America. There will be 2 tours which are limited to 20 people per tour: one starting at 3:00 p.m. and the other starting at 4:00 p.m. Please meet at the plant's main entrance (see map). Registration for this tour will be on a first come, first serve basis by phoning 723-1661.



WANTED!

INFORMATION ON: Chateau Laurier, Cliff Street Plant and Wellington Steam Tunnels

In keeping with the historical theme of this year's CRC in Ottawa we intend to have tours that show off some of Ottawa's oldest installations. However, we need background information to make them interesting. If you know about the original design, construction or operation of any of the above facilities, we want to hear from you. Remember - Ottawa is host of the CRC and we want people to be impressed!

We are especially interested in little known facts about the original equipment in the facilities and how it was set up.

Thanks in advance for your help.

Chris Frauley
SNC Lavalin Inc.
Telephone: 567-7009

WHAT IS PWGSC?

Following the October 25 federal elections, the name of the amalgamated Departments of Public Works and Supply and Services has changed from Government Services Canada to "Public Works and Government Services Canada" (PWGSC).



ASHRAE, Ottawa Valley Chapter Board of Governors
can be reached at P.O. Box 21088, 151A 2nd Ave. Ottawa, Ont., K1S 5N1

Publication deadline is the first Tuesday of each month

The Editor - Rod Lancefield

Fax: 725-9706

Phone: 725-3888



TABLE TOP DISPLAY - JANUARY MEETING

The Table Top presentation will be given by Engineering Dynamics Ltd., a local company from Carleton Place. The company will feature a new type of air filter utilizing three scientific principles to trap airborne particles: impingement, polarization and agglomeration.

This new Canadian product is very popular in Europe and Japan. Come to learn about it.

Contact Paul Séguin at 228-9037 for more information on presenting a table top at upcoming meetings. The new 1993-1994 rate is \$100.00 per display.

STUDENT NIGHT

January 18, 1994 is ASHRAE Student Night. Please encourage our active student members by being a sponsor. A \$20 donation will help student members attend the student night chapter meeting and experience first hand the benefits of ASHRAE participation. Look for Education Committee members collecting donations at the January meeting. Thank-you.

NATIONAL ENGINEERING WEEK

National Engineering Week will be March 4 - 13, 1994. The National Capital Region Coordinating Committee will again be publishing a Supplement to the Ottawa Citizen in conjunction with this national event. ASHRAE members are encouraged to take advantage of advertising opportunities in the Supplement and raise the awareness of the role of engineers in improving the quality of life.

For more information contact Dale Gaudet at 834-0420.

ENERGY FACT

Seal up those joints and cracks!

Annual Heat Loss through a 10' x 10' panel with 1" extruded foam insulation in a commercial building, all joints sealed: 1000 kWhrs.

Annual heat loss through the same panel with 1/16" unsealed joint around edges: 2000 kWhrs.

WHAT YOU MAY HAVE MISSED

For those unable to attend our November meeting, the evening speaker was Philip Jago, Acting Chief of the Industrial Energy Efficiency Initiative with the Department of Natural Resources. In his presentation, Philip spoke of programs in place to promote energy efficiency in Canada.

The dinner meeting was preceded by a technical session led by Honeywell to discuss the features of energy performance contracting.

SPECIAL NOTICE

An engineering company is looking for an HVAC designer/draftsperson with an in-depth knowledge of Autocad and 5 years experience with HVAC systems. Please mail your resume to: 1357 Second Line Road, Kanata, Ontario, K2K 1X7.

CHAPTER DOES NOT ACT FOR SOCIETY

ASHRAE OTTAWA REFRIGERATION SEMINAR
ENVIRONMENTALLY FRIENDLY CHILLER OPTIONS FOR THE 1990'S

Background

The phase out of CFC based refrigerants is well under way. Although the Montreal Protocol calls for a stoppage of CFC production by 1996, Dupont has already stopped production of R-11 refrigerant. R-11 refrigerant has been used in the majority of centrifugal chillers in the last 50 years. Supplies of R-11 refrigerant are already decreasing and this refrigerant may be very difficult and expensive to obtain in a few years time.

ASHRAE Ottawa is bringing together representatives from the four prominent chiller companies to present their companies' solutions to the CFC phase out. Find out which solution is the best for your building or project.

This seminar is aimed primarily at building owners, property managers and engineers who must recommend or decide upon the best refrigerant solution for a particular facility. The focus will be on chillers for air-conditioning applications and will not cover low temperature refrigeration such as freezers, supermarket cases, etc.

Date: Tuesday, February 15, 1994.
Time: 1:00 pm to 5:00 pm
Location: Embassy West Hotel
1400 Carling Avenue (at Queensway)
Ottawa, Ontario
Cost: \$40/person if registered before January 31, 1994,
\$50/person if registered after January 31, 1994.

Seminar Format

1:00 - 1:10	Introduction
1:10 - 1:50	Speaker from York International
1:50 - 2:30	Speaker from McQuay Ltd.
2:30 - 2:50	Coffee Break
2:50 - 3:30	Speaker from the Trane Company
3:30 - 4:10	Speaker from Carrier Canada
4:10 - 5:00	Question & Answer

The seminar will be followed by an informal panel discussion of the CFC issue at the monthly ASHRAE Ottawa Valley Chapter meeting on the same night.

Registration

Please register by mailing or faxing the attached registration form (1 form per person registering)

File: d:\ashrae\seminar.bro

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ASHRAE REFRIGERATION SEMINAR
REGISTRATION FORM

Date: Tuesday, February 15, 1994.
Time: 1:00 pm to 5:00 pm
Location: Embassy West Hotel
1400 Carling Avenue (at Queensway)
Ottawa, Ontario

Name: _____

Company: _____

Address: _____

Phone Number: _____ Fax Number: _____

Attending ASHRAE dinner meeting on same night (Yes/No): _____
(If yes, read information below)

The cost of the seminar is \$40 per person if the registration is received before January 31, 1994 and \$50 if received after January 31, 1994. The cheque is to be made payable to the "ASHRAE Ottawa Valley Chapter". Please mail your cheque to :

ASHRAE Ottawa Valley Chapter
c/o N. Haitas and Associates Ltd.
1357 Second Line Road
Kanata, Ontario, K2K 1X7

Registration can also be done by fax by faxing 839-1803 (tel: 839-1708) to reserve your spot and then mail the cheque. You will receive confirmation of your registration by fax.

Refrigeration Forum
ASHRAE Ottawa Valley Chapter Meeting

Start of mtg.: 5:30 pm
Start of Forum: 8:00 pm following dinner.
Location: Phileas Fogg Restaurant, Metropolitan Life Bldg.
99 Bank St. (at Queen St.)
Ottawa, Ontario

Cost (Member means a member of the ASHRAE Ottawa Valley Chapter who is not a meal plan member)

Meal & mtg: \$19/pers. for members and \$22/pers. for non-members

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