



NEWSLETTER

INFORMATION & NEWS FROM ASHRAE
OTTAWA VALLEY CHAPTER

APRIL, 1986

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

MEETING (NOTE CHANGE OF LOCATION)

Date: April 15, 1986
 Time: 4:45 - Tour
 5:30 - Social
 6:30 to 8:00 - Dinner
 8:00 p.m. - Program
 Place: Phileas Fogg
 Metropolitan House, 99 Bank Street
 MacDonald Room

PROGRAM

Speaker: Jean Pigott
 Chairman, National Capital Commission
 Subject: The role of the National Capital Commission
 in the development of the Nation's Capital
 Moderator: Garry Patterson

TOUR PROGRAM

The last tour of the season will involve a thorough, guided tour through Canada's largest Climatic Chamber. This Climatic Chamber simulates climatic extremes for the purpose of testing products. At just under 200 m² in area and 8 metres in height, the facility is capable of testing everything from train locomotives to plastic garbage cans. The facility has been designed with the following capabilities:

- * refrigerated operation down to -40°C
- * heated operation up to 50°C
- * snowmaking

The equipment used to provide the desired climatic environment includes:

- * six medium temperature refrigeration systems
- * six low temperature refrigeration systems
- * two combustion air make-up systems
- * two rotary screw air compressors
- * five electric heaters and six propeller fans

Don Coveney of NRC will guide the tour. He is currently the research engineer responsible for all tests at the facility.

All are welcome. We will meet at 4:45 p.m., April 15th, in front of building U88 at Uplands. To get there, take the Airport Parkway to McCarthy/Alert exit. Turn left onto Alert and follow signs to the Climatic Engineering Facility, U88. Any questions should be directed to Pierre de Gagné at 733-4160.

PROFESSIONAL DEVELOPMENT SEMINARS

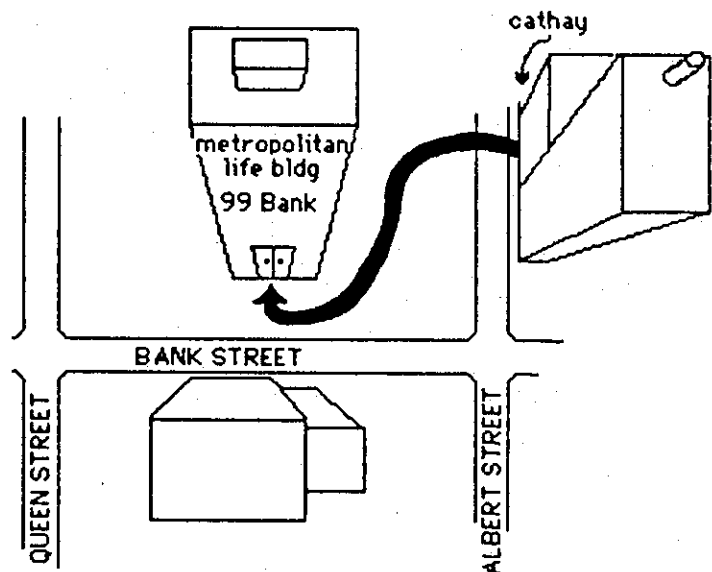
There will be three ASHRAE Professional Development Seminars held in the spring of 1986 in Region II:

April 10-11, Quebec City:	Simplified Energy Calculations
May 1-2, Halifax:	Air Systems Design
May 5-6, Ottawa:	Testing, Adjusting and Balancing

For further information refer to the ASHRAE Journal or contact the Chairman of our Education Committee, Pierre DeGagne, at 733-4160.

APRIL MEETING !

(see related article with menu)



PRESIDENT'S MESSAGE

There is a notice elsewhere in the newsletter about the coming CRC meeting at Niagara Falls. Most Chapter members are not directly involved in the work of the Chapter's Regional Conference but the indirect connections are very real.

The recently received Star Award is a very good indication of the effort put forward by the members of this Chapter. Our performance is measured by the point system, comparing the achievement of every ASHRAE Chapter to the objectives set by Society for the year. One of the purposes of CRC meetings is for chapters to compare notes on how best to conduct their activities.

Our delegation to the CRC might be perhaps small in numbers but their impact and importance will not be easily overlooked. As views and experiences will be exchanged other delegates would listen with interest to the reports from the Ottawa Valley Chapter. So, even those members who cannot make the trip will be heard through the account given on their behalf by our representatives. ASHRAE members can participate at the chapter, regional and Society levels. The strength of our Chapter has always been a keen participation at all three levels, according to the opportunities and preferences of the many individuals involved. Maintaining this healthy balance is a good goal for our Chapter, one that will benefit not only the various levels of the ASHRAE organization but one that will be also rewarding for each participant.

Gabriel Laszlo

ASHRAE SPRING SEMINARS

The American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) is offering seven professional development seminars in a total of 18 cities this spring.

The seven seminars have all been offered before by ASHRAE and have been selected again because of the high level of interest in those topics.

"Water System Design" will be the first to be conducted in the series. It will be held March 24-25 at the Hanalei Hotel in San Diego, Calif. The series concludes with "Testing, Adjusting, and Balancing," which will be held May 5-6 at the Westin Hotel in Ottawa, Ontario.

At all ASHRAE seminars, attendees receive detailed reference texts which can be used later as design guides. They also earn 1.2 Continuing Education Units (CEUs), along with a certificate of completion.

The pre-conference registration price of each seminar is \$295 (U.S.). The on-site price is \$350 (U.S.). A discount of \$75 is given to the second registrant and each additional registrant from a single organization if they register together at least three weeks before the seminar.

ASHRAE's Professional Development Seminars, the dates, and the cities are:

April 1986

<i>Smoke Control Design</i>	April	3-4	Las Vegas, NV
	April	21-22	Philadelphia, PA
<i>Air System Design</i>	April	7-8	Albuquerque, NM
<i>Water System Design</i>	April	9-10	Albuquerque, NM
<i>Simplified Energy Calculations</i>	April	10-11	Quebec City
	April	24-25	Washington, D.C.
<i>Testing, Adjusting and Balancing</i>	April	10-11	San Antonio, TX
	April	23-24	Philadelphia, PA
<i>Automatic Temperature Controls</i>	April	14-15	Kansas City, MO
<i>Computer-Based Monitoring</i>	April	15-16	Kansas City, MO
<i>Water System Design</i>	April	21-22	Boston, MA

May 1986

<i>Air System Design</i>	May	1-2	Halifax, Nova Scotia
<i>Testing, Adjusting and Balancing</i>	May	5-6	Ottawa, Ontario
<i>Smoke Control Design</i>	May	12-13	New York, NY

ASHRAE is offering a special package price enabling attendees to register for two seminars in selected cities for a combined price of \$495 (U.S.). The cities and seminars under this plan are:

"Air System Design"	April	7-8
"Water System Design"	April	9-10
Albuquerque, N.M.		
"Automatic Temperature Controls"	April	14-15
"Computer-Based Monitoring"	April	16-17
Kansas City, Mo.		
"Smoke Control Design"	April	21-22
"Testing, Adjusting, and Balancing"	April	23-24
Philadelphia, Penn.		

For those who cannot attend an ASHRAE seminar but would like the reference notes and texts, "Air System Design," "Automatic Temperature Controls," "Water System Design," and "Computer-Based Monitoring" may be purchased for \$75 for ASHRAE members, \$125 for non-members.

To register or order texts, contact Jack L. McClung, Manager of Professional and Education Programs, ASHRAE, 1791 Tullie Circle, NE, Atlanta, GA 30329, telephone 404-636-8400.

EXTRACT FROM 86-03-18 CHAPTER MEETING

Speaker: Paul Lambie, Specialty Chemicals Ltd.

The topic of Water Treatment Technology, quickly transferred from chemicals to regulations. The many chemicals used for treatment of HVAC systems in their heating and cooling operations have now been identified as products which require extremely careful handling. Use of chromates is now severely restricted. Hydrazene is only allowed in special controlled applications in nuclear reactors. Strict government regulations are now in force on a federal and provincial level to govern the handling, use and transportation of these chemicals. Manufacturers discovered that liability costs made carriers unavailable to them. This has led to a special licensing of manufacturer transportation staff and 24 hour standby response teams for chemical emergencies. Use of the chemicals is governed by the Occupational Health and Safety regulation as well as local inspection teams. Use of non-approved chemicals in Ontario can result in fines up to \$5,000/day for the first offence and \$10,000/day for the second offence.

Even ionizers require a special waste generator license to operate under Bill 309. A separate license is necessary to dispose of its waste material.

Some of the agencies involved in this new chemical control are Labour Canada which designates dump sites, Federal Health and Welfare Canada for approval, M.O.E. Ontario regulations and municipal monitoring of chemical levels in the effluent. Until March 1986 no regulations existed to govern chemicals drained to sewers but today Toronto has a special team in force while our R.M.O.C. is in the process of setting up a "chemical snoop squad".

Smoke control and boiler boil-out after construction with the usual discharge of this waste into sewers is not allowed under these new regulations. Corrosion and other control by introducing chemicals into potable water is now discouraged by all chemical manufacturers due to lack of available liability insurance coverage. Cooling tower chemical treatment is reduced to 1/10 of the previous strength.

Legionnaires disease - this mysterious disease is not only found in cooling tower water but also in potable water, shower heads. It usually occurs in summer, 500 cases/year reported in Canada, consists of strains, earlier name: Pontiac Fever. Host person must be susceptible (age, health, etc.). Combat by using chlorine, biocides, ultra-violet light, elevated water temperatures (60 deg. C), eliminate rubber washers in shower heads.

Paul Lambie closed by saying that the responsibility for proper selection is quite a critical one and that this rests with designers as well as manufacturers.

STAR AWARD

The Ottawa Valley Chapter received the President's Star Award for the 1984-1985 Chapter year. The Award is based on the Presidential Award Of Excellence (PAOE) points and is given to chapters that achieve at least par in each category.

The Award certificate was presented to last year's President Frank Vaculik at the March Chapter meeting.

NEW MEMBERS

ALL NEW MEMBERS are entitled to a FREE copy of our OTTAWA VALLEY CHAPTER 'ROSTER'. This booklet and other information regarding our CHAPTER activities may be obtained from Mr. Paul Baker, Treasurer (tel. 225-8040).

We say "WELCOME" to the following NEW MEMBERS who have recently joined ASHRAE:

Andrzej Bogdanowicz	(Past STUDENT member)
Steven Burns	Walmar Agencies (Past STUDENT member)
Randolph Cavill	National Defense Construction
Michael Freemark	
Richard Goubko	(Past STUDENT member)
Brian Norton	Ontario Hydro
Doug Reid	Alcan International Ltd. (Kingston)
Charles Rogers	(Past STUDENT member)
Scott Walden	Public Works Canada
Stewart Woermke	

WANT TO BE MORE INFORMED?

Society Members are invited to join our Membership Committee now as we start our planning for the '86-'87 ASHRAE YEAR.

OUT-OF-TOWN Membership Representatives are needed also (just a telephone call away!)

Call me with questions, or just suggestions.....

Keith Murfin, 226-3300, Membership Chairperson.

CONFÉRENCE C.R.C. / C.R.C. CONFERENCE

Le Chapitre qui agira comme hôte pour la Conférence C.R.R. 1986 sera le Chapitre d'Hamilton. La Conférence aura lieu à Niagara Falls, Ont. 14 - 16 Mai 1986.

The host chapter for the C.R.C. Conference for 1986 will be the Hamilton Chapter. The conference will be held in Niagara Falls, Ont. May 14 - 16, 1986.

NOMINATIONS FOR 1986-87

At the March meeting, the nomination committee has presented the following list of candidates for 1986-87 Chapter Board of Governors:

President	John Dugan
President Elect	Simon Jol
Secretary	Paul Baker
Treasurer	Bill McKinnon
Governors	Gord Hayball Peter Karn Byron Landry Frank Tipper
Past President	Gabriel Laszlo

Further nominations from the floor will be accepted at the April meeting. Nominations must be supported by a written consent from the nominee.

RESEARCH PROMOTION

This year's research promotion drive has been kicked off at the March meeting. The following names of investors in ASHRAE research were placed on an Honor Roll for their contributions in last year's campaign:

BFH Shawinigan, Boone Plumbing Supply, Carmichael Engineering, Black and MacDonald, Clemann Large and Patterson, Comstock International, DS Fraser & Co., Dilfo Mechanical, Frontier Mechanical, Goodkey Weedmark and Associates, Charles Hobbs, JO AD Industries, Keeprite Product, J. Landry Mechanical, J. Lunde and Associates, Mastercraft Development, Mastron Mechanical, McKee Lockhart, Minto Construction, Modern Mechanical, Dakes Mechanical, Ottawa Plumbing & Heating, J.L. Richards & Associates, J.C. Robinson, Watts & Henderson, Wood Banani & Associates.

Attached to this Newsletter is a letter asking for your personal support of ASHRAE research. Please read it and make a suitable contribution.

CURLING NEWS

A very successful Curling Bonspiel was held on March 21, 1986, at the Rideau Curling Club. 48 members and guests participated. The winning rink was undefeated and consisted of:

Ken Frank	Gary Bekolay
Dave Bodeway	John McAninch

Congratulations on a great performance!

The ASS...ENDERS award was presented to the last place rink which consisted of:

Paul Baker	Jan Whytock
Kevin Goodhue	Mark Brown

Special (Joke) Prize was awarded to Wayne Tape (yes Tape).

Thanks to Paul Baker and Jim Schick for their organizational efforts and to George Carscallen for his efforts in years past. Also, special thanks to the following contributors:

Trophies:	Mastron Mechanical	
Wine & Prizes:	Ken Frank	Ottawa Gas
	Johnson Controls	Novenco
	Gord Hayball & Assoc.	Trane
	Studio Jag	Landry Mech. Sales
	Samuel & Sons	Breckmar

IMPORTANT NOTICE

A larger than normal attendance is expected for our April meeting. This made it necessary to select another location which would better accommodate both members and guests.

The April meeting will be held at:

PHILEAS FOGG
METROPOLITAN HOUSE
99 Bank Street
MacDonald Cartier Room
(across the street from the Cathay Dining Room)

Menu for this meeting (buffet style):

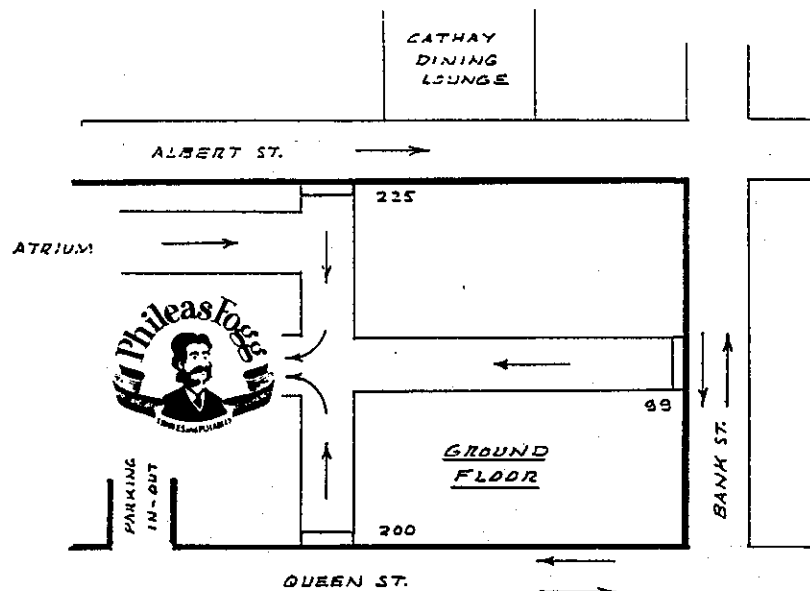
- Beef Bourguignon with Noodles
- Baked Lasagna
- Cold Sliced Tendersweet Ham
- Complete Salad selection
- French Crusty - Pumpernickel Rolls
- Assorted Pastry
- Tea - Coffee

Regular dinner prices will be in effect

PARKING

On Street; after 5:30 p.m.

Inside Building: Off Queen. Follow 99 Bank Street sign. Flat \$2.00 fee for the evening. Normally valet parking until 9 p.m. If you plan to stay longer then tell attendant that you will park your own car.



METROPOLITAN HOUSE

99 Bank Street entrance -- Open 24 hours
225 Albert Street
200 Queen Street Open until 7pm