



NEWSLETTER

INFORMATION & NEWS FROM ASHRAE
OTTAWA VALLEY CHAPTER

FEBRUARY, 1986

MEETING

Date: February 18, 1986
Time: 5:00 - Tour
5:30 - Social
6:30 to 8:00 - Dinner
8:00 p.m. Program
Place: Cathay House Restaurant
228 Albert-St. (upstairs)

PROGRAM

Speaker: Bruce Small, P. Eng.
Small & Assoc.
Subject: Twentieth Century Diseases &
Why They Will Affect Bldg. Design

Moderator: Mike Acton

There will be an introductory presentation by Mrs. Linda Brooks; President of the Human Ecology Foundation of Canada. Both speakers are exceptionally well informed on the practical problems facing people with environmental type illnesses.

DUE TO THE POSSIBILITY OF A SEVERE ALLERGIC REACTION AND AS A COURTESY TO OUR SPEAKERS THE MEMBERSHIP IS REQUESTED TO REFRAIN FROM SMOKING AT THIS MEETING.

The HVAC Industry is facing a challenge; systems must perform better to serve the increasing number of people with twentieth century diseases.

TOUR PROGRAM

The first commercial application of spray recuperator heat recovery equipment will make up the second last tour of the season.

A spray recuperator is fundamentally a direct contact heat exchanger which recovers both the sensible and latent heat from the flue gases. The local Westin Hotel is the first commercial establishment to commission this equipment in Canada. The recovered heat serves to preheat the domestic hot water to 54°C (130°F) and improves the thermal efficiency of the boiler from 80% to 94%. The initial investment for this retrofit was \$56,000. Installation was just completed September 10, 1985. The anticipated simple payback on investment is estimated at 1.4 years. The designer and installer of the system will be available to guide the tour and answer any questions.

All are welcome. We will meet at 5:00 p.m. February 18, at the main lobby in the Westin Hotel, 11 Colonel By Drive. Any questions should be directed to Pierre de Gagné at 733-4160.

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

PRESIDENT'S MESSAGE

One of the highlights of the recently held ASHRAE Winter Meeting in San Francisco was the presentation of the Energy Awards. According to the Society's strategic plan, ASHRAE's continuing involvement in energy conservation is a top priority, receiving considerable attention.

The awards have been presented since 1981 to recognize outstanding achievement in design and operation of energy efficient and cost effective buildings and facilities. Participation in the awards program is open to all ASHRAE members worldwide. Canada has been well represented in the past, with several winners from the Montreal Chapter; our own Past President Lorne Wilson, now from Edmonton; and a 1986 award winner from Vancouver, Jack Meredith.

This year's judges have noted that good, basic application of state-of-the-art engineering, rather than exotic technology characterized the entries. The importance of team effort was also demonstrated by the projects. Energy conservation is not any one thing, but rather a variety of proven techniques. It has been also emphasized that the preparation of submittals need not be an onerous task. The concise entry form is filled in using simple engineering language, aided by graphs, charts and photographs to describe the project.

Our Energy Management Committee will contact many of you directly by mail but all Chapter members are equally invited to participate in the competition. The ASHRAE Energy Awards have been much sought after by outstanding professionals everywhere, it's time that members of the Ottawa Valley Chapter receive the recognition which is well overdue. But you have to act now!

Gabriel Laszlo

VIDEO TAPES

The following tapes may be borrowed from our library: Forgotten Fundamentals of the Energy Crisis (VHS) (Beta) and ASHRAE's Chapter Program for Professional Excellence (VHS). Contact Bill McKinnon for further information.

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.

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:

March 1986

Water System Design	March	24-25	San Diego, CA
Computer-Based Monitoring	March	27-28	New York, NY
Simplified Energy Calculations	March	27-28	Dallas, TX
Automatic Temperature Controls	March	31-April 1	Los Angeles, CA

April 1986

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

May 1986

Air System Design	May	1-2	Halifax, Nova Scotia
Testing, Adjusting and Balancing	May	5-6	Ottawa, Ontario
Smoke Control Design	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.

WELCOME NEW MEMBERS

We welcome the following NEW MEMBERS who have recently joined ASHRAE:

James Becker	J.L. Richards & Assocs. Ltd.
Peter Davies	J.L. Richards & Assocs. Ltd.
John Edgar	Bell Northern Research
John Graf	Black & McDonald Ltd.
James Kot	J.L. Richards & Assocs. Ltd.
Malcolm Mason	Valera Electronics Inc.
Mitchell Proude	MCC POWERS
Jacques Tremblay	Adelard Laberge Ltd.

WANT TO GET INVOLVED?

ANY SOCIETY MEMBER WISHING TO JOIN THE MEMBERSHIP COMMITTEE IS WELCOME TO HELP US PLAN NOW FOR THE '86-'87 ASHRAE YEAR. It's a good time to learn more. Call me with questions, or just give us your suggestions.

Keith Murfin, 226-3300, Membership Chairperson.

INDOOR AIR QUALITY CONFERENCE

This year's Energy Management Committee has organized a half-day conference on Indoor Air Quality (IAQ). Five papers dealing with various aspects of IAQ have been arranged for presentation.

The time and place will be as follows: Wednesday, April 2, 1986 from 9:00 a.m. - 1:00 p.m. in the Salon Room, National Arts Centre.

A fee of \$15.00 will be charged for attendance and tickets will be available at the next two ASHRAE meetings. We request that you reserve early since space is limited to 75 people.

We are planning on your full support to make the conference success. Please contact either Nash Chahal (Tel. 997-3396) or Chris Frauley (Tel. 236-0438) for further information.

SQUASH NIGHT

An evening of squash is planned for April 5 at the RA Centre. Cost will be approximately \$10.00 for the evening. Those interested please contact Richard Leduc at 731-7897 during the day.

SKI DAY - ALPINE & NORDIC

Your Special Events Committee has planned a ski day at Calabogie Peaks for Saturday, February 15, 1986. Snow conditions to this date are far ahead of previous seasons, and we look forward to a fun filled day of skiing, tobogganing & skating, followed by a dinner at the Peaks for the Ashrae members and their families. Regular bus transportation leaves from Bayshore Shopping Centre at 8:00 a.m. but should response warrant it, a special bus could be arranged for the Ashrae members.

We have listed below the special fee schedule prepared for Ashrae members and we hope we can count on an excellent turnout for this event. Would you please contact Jim Schick at 226-3110 by February 10, 1986 to confirm your presence and if rental equipment is required, please advise approximate boot sizes.

FEE SCHEDULE

	LIFT	RENTAL	DINNER
ALPINE ADULT:	\$11.00	\$9.00	\$10.00
ALPINE JUNIOR:	\$ 7.00	\$9.00	\$10.00
NORDIC:		\$7.00	\$10.00

M A N D A R I N D I N N E R

For Members and Friends

at the Cathay House
 228 Albert Street

on Friday, February 7, 1986

Cocktails at 6:30 p.m.

Dinner at 7:15 p.m.

Join us for a 10 course dinner
 of true Chinese dishes

Seating is 10 persons per table

SO - get your group together
 and call -

Ross King at 727-1460
before January 31, 1986

Tickets are \$25.00 each

by reservation only