

MAY 19 1986

MAY, 1986



NEWSLETTER

INFORMATION & NEWS FROM ASHRAE
OTTAWA VALLEY CHAPTER

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

MEETING

REMINDER - MAY MEETING CATHAY TAVERN RESTAURANT

PRESIDENT'S MESSAGE

Date: May 20, 1986
Time: 5:30 - Social
6:30 to 8:00 - Dinner
8:00 p.m. - Program
Place: Cathay House Restaurant
228 Albert St. (upstairs) **NOTE LOCATION**

PROGRAM

Speaker: Kalev Ruberg M. Arch
Research Officer, Buildings Services Section
Institute for Research in Construction -
National Research Council
Subject: AI and Expert Systems for the Construction Industry
HELP - HOPE - HYPE
Moderator: Ron Biggs

Hear How AI (Artificial Intelligence) is a Help to the Construction Industry. What are Expert Systems and what effect do they have on Airline Scheduling and Mechanical System design and diagnosis.

P.S. Your Friends in the Architectural and Electrical Design Fields will thank you for inviting them as your guest for the evening.

HELP WANTED

Active participation of members in committee work is the life blood of our chapter. We need your involvement and support. For further details contact: John Dugan - Office 733-9781; Home 837-1921.

Be a Doer - Play an active roll.

EXTRACT FROM APRIL CHAPTER MEETING

Mrs. Pigott, Chairperson of the National Capital Commission, gave us an overview of her career from mother to executive at Morrison-Lamothe and then to public servant. Her review of the NCC history included the 1939 start by master planner Jacques Greber from Paris who was responsible for the extensive use of parks and water in the master plan. The plan was finally registered in 1958.

Another landmark was 1969 when Trudeau declared the Capital a region.

The present federal land use plan is undergoing close scrutiny for changes to benefit both public and private sectors. Several bridges are now being studied for construction and integration with existing transportation systems. The most urgent locations are at Deschenes and Kettle Island. Completion of a ceremonial route through Ottawa and Hull is high on the agenda. Highlighting of local industry and colourful features such as historic buildings are all being integrated to make Canadians feel proud of their capital city. Area expansion seems to have only just started. Mrs. Pigott displayed such a degree of energy and nationalism that it was easy to picture a capital region which had turned into a focal point for every Canadian.

Chris Frawley thanked the speaker on behalf of the Chapter and presented Jean Pigott with a special gift (her collection now holds 151 piglets).

This being the last newsletter of the year, it's customary to look back and review the year's activities.

The Ottawa Valley Chapter had a good year, by any standard. A healthy mixture of tradition and innovation kept the spirit alive during the past twelve months. The Special Events Committee, for example, organized the ever popular golf day and the curling bonspiel once again, and then added a ski day and a squash night for good measure. The Energy Management Committee returned to the seminar format to feature a session on energy conservation techniques and their impact on indoor air quality. Our Technical and Education Committees cooperated as usual to organize technical sessions and tours at alternate monthly meetings. A tour to the NRC Climatic Chamber emphasized Society's renewed interest in "R" in ASHRAE.

Attendance at the monthly meetings averaged over 90 this year, thanks mainly to the imaginative efforts of the Program Committee. They have managed to bring us a variety of stimulating, informative, challenging and entertaining presentations. We have heard engineers, a developer, a nurse, a lawyer and a politician. True to ASHRAE tradition, the speakers addressed what was new in their field, whether the control of intelligent buildings or the control of the indoor environment for the people in them. We have learned of the latest in construction law and liabilities, also an update on environmental regulations and their effect on water treatment. A summary of each presentation was published in the Newsletter, for the first time, to make our monthly publication even more interesting and enjoyable.

All told, 1985-86 has been a good chapter year. It has been made good by the hard work and dedication of so many members who participated on committees or just helped out on occasion, the committee chairmen and the members of the Board of Governors. To this latter group I would like to say my special thanks publicly, for their unflinching support throughout the year.

Life in the Chapter does not stop at the last meeting of the year, of course. The newly elected Executive will be installed at the May meeting, and will immediately begin planning another year's operation. I would like to wish them success and I am quite confident in promising, on behalf of every member, our full and unconditional cooperation.

Gabriel Laszlo

SCIENCE FAIR ACHIEVEMENT AWARDS

ASHRAE was represented by the Education Committee at the National Museum of Science and Technology's 25th Annual Ottawa Regional Science Fair on the weekend of April 11th to 13th, 1986.

Two achievement awards were presented in the Engineering category based on which projects were related to our work, the quality of the exhibits, the research completed and the knowledge acquired.

A junior level project, completed by Michael Asseltine and Phillip Robidoux of St. Patrick's High School entitled "Flat-Plate Solar Collector" was recognized as well as an intermediate level project completed by Jonathan Porter of Sir Robert Borden High School entitled "Efficiency in Window Design".

The framed Certificates of Achievement were presented before an enthusiastic crowd of young people at an awards ceremony held on Sunday afternoon ending this year's fair. A special thank you to R.J. McKee Engineering Ltd. for donating the awards.

INDOOR AIR QUALITY CONFERENCE

The IAQ Conference held at the National Arts Centre Salon on April 2 was a tremendous success. We had a full turnout of just under 100 people. As well, the plush surroundings added a relaxed atmosphere to the occasion.

On the technical side, there were a total of five papers presented:

1. "Case Study of a Problem Office Building" Ludwik Cyfracki, PWC
2. "Indoor Air Problems and Solutions - Case Studies" Oliver Foulkes, OBOE Engineering
3. "Ventilation Practices and Air Quality: A Building User's Perspective" Bob Davidge, PWC
4. "Control and Monitoring: The Role of Energy Management Control Systems in IAQ" Gunter Heissler, ECE Group
5. "Impact of IAQ on Energy Costs due to Ventilation Practices" Robert Desbois, BFH/Shawinigan

The speakers were well received, with a lively question period at the end of the presentations. Two themes that seemed to run through the papers were:

1. The increasing use of CO₂ measurement as a direct indicator of outdoor air makeup requirement.
2. The benefits, in terms of productivity, of additional outdoor air being supplied to the workspace. Also, the incremental costs involved in providing this O/A when compared to the total cost of salaries and building operations.

The papers are currently being assembled into a set. Anyone interested in obtaining a copy should contact Chris Frauley at 236-0438. We request that all orders be received by the end of May so that we can reap the benefit of a single print run. Cost per set should be under five dollars.

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GOLF TOURNAMENT

Hold Tuesday, August 26, 1986 open. That's the date of the Annual ASHRAE Golf Tournament this year. It will be held at Manderley on the Green. Look for details in the summer newsletter.

CHAPTER EXECUTIVE FOR 1986-87

Next year, you will be represented on the Chapter Executive by the following duly elected officers:

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

These officers will be sworn in during a brief take over ceremony at the May meeting.

RESEARCH PROMOTION

This year's promotion program has been launched at the March meeting. So far, we have reached the mid point on our way to the goal.

We trust that you will help the research promotion committee members, when they call on you, to put the chapter at its usual high level of performance.

IN MEMORIAM

Gordon Goodkey of Goodkey, Weedmark & Associates, a Past President (1965-1966) of the Ottawa Valley Chapter passed away on April 29, 1986.

NEW MEMBERS

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

Mario Bouchard	Société Immobilière du Québec
Blair Davies	Trane Company of Canada
Rudi Fischer	(Past STUDENT member)
Andrew McGregor	(Past STUDENT member)
Howard Needham	—
Barbara Siebrund	Transport Canada
ALSO, Welcome back Christian Kleniewski!	

NEW MEMBERS are encouraged to phone any of our Board of Governors, or Keith Murfin, 226-3300, of our Membership Committee, to find out how to "GET THE MOST OUT OF THEIR MEMBERSHIP IN ASHRAE".

DO YOU HAVE A COMPUTER AT HOME???

If you have an "APPLE" type of computer at home with a Printer, and if you are interested in occasionally assisting in our Chapter administration, then please call Keith Murfin, 226-3300.

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SQUASH NIGHT

Ed Butterworth earned the title of best ASHRAE squasher at our first Squash Night, Saturday, April 5th, 1986.

The sparse turn out allowed the six enthusiastic participants to complete a best of three match with every other player, so Ed's honour is well earned. Everyone enjoyed the evening and would welcome informal challenges from fellow Chapter members who could not attend.

Ed Butterworth, 231-2296	Don Hampton, 998-3988
Nigel High, 725-2039	Chris Hughes, 226-1576
Charlie Hobbs, 225-6974	Jim Mahaney, 560-4799

MEMBERSHIP NEWS (OTTAWA VALLEY CHAPTER AREA)

As our 1985-86 ASHRAE year draws to a close, we are pleased to report the following latest information for our CHAPTER AREA:

Full Members	152
Associate Members	130
Affiliate Members	47
Other Grades	11
Student Members	80
Total Society Members	420

AND, 23 of us have been members for OVER 25 YEARS, while 225 of us have joined within the LAST 5 YEARS!!!!

ALSO, our membership is made up approximately as follows:

20%	Consultants and Architects
20%	Student Members
15%	Government & Military
15%	Equipment Manufacturers & Supplier/Sales
10%	Contractors
20%	Bldg. M'gmt, Research, Education, Utilities and other

Have a nice SUMMER, and please pay your Society Membership Dues promptly (invoices will be coming soon).