

OTTAWA VALLEY CHAPTER

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Capital Communiqué

AMERICAN SOCIETY OF
HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS

OCTOBER 1997

PROGRAM

DATE: October 21, 1997
THEME: RESEARCH AND AWARDS
SPEAKER: ALEX MCGOWAN, P.ENG.

Mr. McGowan is a licensed professional engineer in Ontario. He is Vice-President of Enermodal Engineering Ltd., a company of engineering consultants interested in energy conservation and heat transfer R & D. Enermodal has performed several research contracts for ASHRAE, including development of the table of window U-factors for the 1993 Handbook of Fundamentals, a study of CO₂ demand-controlled ventilation, an investigation of secondary solar heat gain in large buildings and research on thermal bridging in wall construction.

SUBJECT: ASHRAE RESEARCH FUNDS AT WORK - THERMAL PERFORMANCE OF GLAZING IN COMMERCIAL BUILDINGS

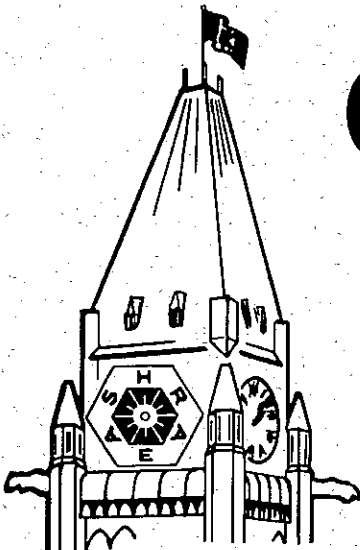
The presentation will focus on Enermodal's most recently completed ASHRAE research: characterizing the thermal performance of curtain walls, skylights and overhead glazing for commercial building, including new design characteristics to be included in the next ASHRAE Handbook of Fundamentals. If time permits, Mr. McGowan will briefly present an outline of ASHRAE work-in-progress, involving an investigation of thermal and moisture performance of low-slope commercial roofing in cold climates.

MENU

Roast Beef, Risotto, Baked Potato with Sour Cream
Caesar Salad, Potato Salad, Pasta Salad, Mixed Bean Salad
Rolls and Butter, Parfait with Creme de Menthe, Coffee and Tea

SOCIAL - 17:30 Hrs
DINNER - 18:30 - 20:00 Hrs
PROGRAM - 20:00 Hrs

**Hellenic Banquet and
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1315 Prince of Wales Drive



1997-98

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PRESIDENT'S MESSAGE

Thanks to everyone who participated in the celebration of our 45th Anniversary of the Ottawa Valley Chapter. I was really pleased to see how many new faces were in the audience. The technical session was the IMAX film "To the Limit" and had an audience of approximately 80. Wow! Lets see if we can top that at our next tour . . . the NRC Wind Tunnel.

This month we will be presenting two awards; the Anniversary Award and the Al Oakes Award. The Anniversary Award is to provide recognition to those long- standing members who have contributed much toward the historical and continuing success of our CHAPTER. The Al Oakes of Excellence will be presented to a Chapter Committee member who has

contributed to the Chapter in an outstanding way during the past Chapter year. We have strong candidates for both awards. Don't miss this very important event!

For those who have Internet access and like to find out what is planned for the next chapter meeting as early as possible, check out our Home Page. The Capital Communique is typically on the Internet before it reaches your home by mail. (Thanks to Gabriel Laszlo, our Home Page Chairman).

Your President,
Karen Peck, P.Eng.


TECHNICAL SESSION

WHAT: You are invited to attend a tour of the high speed and low speed wind tunnels at the Uplands Campus of the National Research Council of Canada. Due to workload and scheduling difficulties, it is not always possible to arrange this tour, so consider this a rare opportunity to visit these facilities.

WHEN: October 21, 1997 at 4:00 p.m.

DIRECTIONS: The wind tunnels are located on the campus of the NRC adjacent to MacDonald Cartier International Airport. Please enter on Research Road from Uplands Drive and meet at Building U-66, the high speed tunnel, where the tour will commence. The large white tunnel, clearly visible from the Airport Parkway, is Building U-70, the low-speed tunnel, which we will also be touring.

NOTE: Due to the proprietary nature of the work that may be in progress at these facilities, no photographs are permitted.




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RESEARCH

ASHRAE has a thriving research program, spending more than \$1.5 million each year on projects identified as important by ASHRAE members. Research projects cover a wide variety of topics including design, O & M tools, component performance, controls, environmentally safe materials, safety and health and energy conservation. All ASHRAE members stand to benefit from the results of this research, which often end up as part of ASHRAE handbooks and standards.

The money to fund ASHRAE research is raised each year through donations from individuals, companies and organizations. In this country, all donations go direct to ASHRAE Research Canada and are guaranteed to be spent on research carried out in Canada. In fact, we usually end up with some foreign funds as well, as we have some excellent investigators and research facilities including the National Research Council here in Ottawa and Enermodal Engineering in Kitchener who are providing a speaker for our program this month.

To all who have supported ASHRAE Research in the past, a big thank you for your investment in our future.

We will be starting to plan this year's campaign soon, and our committee needs new members. The more people we are, the less work everyone has to do. If you can help, please call me NOW.

Gemma Kerr, Research Promotion Chair
Tel: 745-3493 Fax: 745-3154 email: inair2@cyberus.ca

ASHRAE OTTAWA VALLEY CHAPTER WHAT YOU MISSED

September's ASHRAE 45th anniversary season launch was truly inspirational. The IMAX film dealt with the most sophisticated ventilation, plumbing and control system imaginable which is the human body and encouraged us to 'push the envelope' as hard as possible. Guest speaker Dr. Ken Money left us with many things to ponder as he shared his thoughts about humans on earth and in space and also of our ever expanding universe. The Canadian Museum of Civilisation provided the perfect setting for this most special night. See you in October, back at the Hellenic Banquet Center.

TABLE TOP DISPLAY

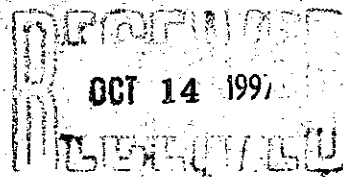
Belimo represented by Walmar, will be hosting this month's table top, centering their display of actuators on the new LM series. These would be used on control dampers, VAV boxes, etc.

Please contact Randy Cavill at tel. 225-9774 for information on displaying your products at future meetings.

ASHRAE 1998 WINTER MEETING

The Winter Meeting will be in San Francisco next year, a great location, and will run from 17-21 January. If you are interested in attending the conference (over 100 sessions), Technical or Standards Committee meetings, or the HVAC&R Trade Show, better get your hotel room booked soon as space is running out.

Don't forget the Region II Dinner on the evening of Monday, January 19. This is your chance to get together with friends from all of the Chapters in Eastern Canada. Details are usually posted on one of the noticeboards in the registration area.



Guy H.J. Bourbonniere P.Eng.
District Manager



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ASHRAE HONORS OTTAWA ENGINEER AS DISTINGUISHED 50-YEAR MEMBER

Jacob Klassen, P.Eng., Fellow ASHRAE and Life Member has received a Distinguished 50-year Member Award from the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE).

The Distinguished 50-Year Member Award is given to individuals who have been a member of the Society for a minimum of 50 years and are a past Society president, Fellow, Distinguished Service Award recipient or have performed outstanding service to ASHRAE or its predecessor societies.

Klassen is retired and resides in Ottawa. His technical interests are in energy conservation, annual energy storage and district heating.

He served on the Society's Board of Directors as director and regional chairman, Region II, in 1970-73. He has chaired the Definitions and Nomenclature Committee, the Conference Coordinating Committee, and the Charter and Bylaws Committee. He also has served on the Administrative Council and numerous other Society and chapter committees. He was president of the Ottawa Valley Chapter in 1958.

Klassen is an ASHRAE Distinguished Service Award recipient. He joined the Society in 1946, and was elevated to the grade of Fellow ASHRAE in 1982.

The Distinguished 50-Year Member Award was presented at the Society's Annual Meeting, June 28 - July 2 in Boston, Mass.

ASHRAE - KINGSTON SECTION

The October 15, 1997 meeting will see the presentation of the Kingston section banner by Assistant Regional Chairperson Mr. Daryl Boyce and Ottawa Chapter President Elect Mr. Dale Gaudet. We anticipate a great turnout of members and student members for this important occasion. See you there in Salon B of the Howard Johnson Hotel at 237 Ontario Street.

Social: 5:30 p.m.
Dinner: 6:30 p.m.
Presentation: 8:00 p.m.
Cost: \$20.00



ASHRAE, Ottawa Valley Chapter Board of Governors
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Publication deadline is the first Tuesday of each month

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