



Capital Communiqué

ASHRAE - AMERICAN SOCIETY OF
HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS

<http://www.ashrae.ottawa.on.ca> **OTTAWA VALLEY CHAPTER** e-mail: contact@ashrae.ottawa.on.ca

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Ray Young

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Frank Bann

Nominations

David Eastwood

CRC Action

Lan Chi Nguyen Thi

CRC 2002 Ottawa

Bill DeGagne

March 2003

PROGRAM

DATE: March 18, 2003

THEME: TEGA/Program

PROGRAM: THE MOUNTAIN EQUIPMENT CO-OP (MEC) OTTAWA STORE -
A CASE STUDY FOR AN ENVIRONMENTALLY SUSTAINABLE BUILDING.

OVERVIEW: Mountain Equipment Co-op's Ottawa store was the first retail building in Canada designed to meet NRCAN's C-2000 standard for energy efficient and environmentally sustainable buildings. The building consumes only 40% of the energy permitted under the Model National Energy Code for Buildings. Many of its building materials are re-used or recycled and were selected to ensure a healthy indoor environment. The building also has been designed to be disassembled when no longer required. The building has met with a positive public response and achieves MEC's goal of treading lightly on the earth.

SPEAKERS: Christopher Simmonds, Principal - Christopher Simmonds Architects
Leslie Jones, Principal - Leslie Jones and Associates

Christopher Simmonds says that prior to designing the Ottawa MEC store his most environmentally sensitive building design was his own garden shed. Architects Christopher Simmonds and Linda Chapman were selected by International Design Magazine as one of their 2001 "Top Forty" socially conscious design firms for their work on this building.

PLACE: Capone's Banquet Facility, Nepean Sportsplex, 1701 Woodroffe Ave, Nepean

TIMES: Social: 17:30 Dinner: 18:30 Program: 20:00

MENU

Crème of Mushroom Soup, Lamb Ragout with Rosemary & Carrots, Bed of Rice with Seasonal Mixed Vegetables, Bumbleberry Strudel



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PRESIDENT'S MESSAGE

Sustainability is an economic, social and environmental choice that more and more companies are considering. Can we afford not to adopt these ideals, for the sake of future generations? As an organization, ASHRAE has always been at the forefront of serving the evolving needs of the public by providing guidelines such as the Building Sustainability Position Statement (2002), and encouraging Research in Alternative or Renewable Energy Use with our TEGA Award. The subject of our technical program this month will reflect that continuous commitment.

On a lighter note, join us for a social afternoon at the Curling Bonspiel on March 28, 2003. Profits from the Bonspiel will be donated to ASHRAE Research Canada.

I look forward to seeing you on March 18, 2003.

Lan Chi Nguyen Thi, P.Eng.

TECHNICAL PROGRAM

Place: Capone's, Nepean Sportsplex

Time: 4:30 pm

Topic: Sustainable Building Design

Overview: In the last few years, there has been a growing interest in designing buildings that are more "environmentally friendly". Words like *sustainable* and *green* have been used to describe these buildings, but what do these terms really mean, and how do they affect the overall design of the buildings and their systems? This technical program will help answer these questions and present some design tools and guidelines for designing sustainable buildings.

Speaker: Stephen Pope, Architect, OAA, MRAIC – CETC Buildings Group, Natural Resources Canada

Stephen is a representative of the C-2000 Program for Advanced Commercial Buildings, and the Quality Assurance Officer for the Commercial Buildings Incentive Program at Natural Resources Canada. He is also the councillor responsible for Sustainable Design at the Ontario Association for Architects.

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TABLE TOP DISPLAY

Carrier will be showcasing their commercial energy recovery products. These include: the Micrometal energy recovery module designed to match with 3-25 ton packaged rooftops; the 39M AERO air handling unit with integral energy recovery wheel; and the COBRA rooftop with energy recovery. These products allow higher quantities of outdoor air on 'Packaged' products.

For future tabletop presentations please contact Gary Hartmann @ Breck-Mar Sales Ltd.
Tel: 613-728-0060
Fax: 613-725-2637
e-mail: gary@breck-mar.com

ASHRAE OTTAWA VALLEY CHAPTER MEETING LOCATION

Our meeting location is **Capone's Catering** at the Nepean Sportsplex, 1701 Woodroffe Avenue, Nepean. We meet in the "Richmond Room". Enter Capone's from the rear of the Sportsplex at Entrance #4. Parking is available at the rear.

Make sure you lock your car and bring your valuables with you.

WHAT YOU MISSED

February Chapter Meeting

Roland Charneau, RVC Membership (Region II) visited from Montreal and congratulated the Ottawa Valley Chapter for being the most active in Region II and thanked Rob Lefebvre and his committee for their accomplishments, including consistent net growth.

Joel Primeau introduced former RVC TEGA Jay Jayarman and presented him with a certificate of appreciation for his dedicated chapter, regional and society service.

Patric Renault reported that La Cité Collégiale may be forming a new student chapter.

Frank Vaculik reviewed the TEGA Award Criteria and pointed out nomination forms are on each table and deadline for submission is March 18th (next chapter meeting).

The evening program "The NIST Advanced Measurement Laboratory – A Case Study of Designing for Nanotechnology" was presented by speakers Ahmad Soueid, RA – Principal/Senior Vice-President and Ted Zsirai, PE – Senior Vice President/Mechanical Section Manager, both of HDR Architecture, Inc., Alexandria, Virginia. They reviewed the nanotechnology requirements of test laboratories where temperature, humidity, cleanliness, vibration and other environmental factors must be tightly controlled to create the "world's most stable environment" for their client's testing and research requirements. They presented an overview of the NIST facility in Gaithersburg, Maryland and demonstrated the control strategies, construction challenges and end devices that were incorporated into their design, mock-ups and construction of the facility.

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CURLING

Date: March 28, 2003
Location: Nepean Sportsplex
Time: 1:00 to 6:45
Dinner: 7:00 PM
Cost: \$240.00 per team
To register a team, please contact:
Christine Kemp (christine@walmar.net)
or Chris Healey (chris@walmar.net),
by phone 225-9774 or by fax - 225-2972

RESEARCH INVESTORS

The research campaign is well on its way to being a great success. With your help and the help from our local industry and corporations we are closing in on our goal of \$17,553. Contributors to date are:

Accu-Fab Metal Products Ltd.
Airtech Sales
Bann, Frank
Capital Air Conditioning Ltd.
Digel Air Conditioning Inc.
Doshi, Jay
ESS Enersys Sales and Service Inc.
Engineered Air
Godin, Cathy
Haque, Schehwar
Hugh Williamson Associates Inc.
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Leo Groulx Plumbing & Heating Ltd.
MacMurdo, Jason
Mastron Mechanical Contracting (1988) Ltd.
MetHot Controls Inc.
Nguyen Thi, Lan Chi
Rocque Mechanical Contracting Ltd.
Ron Engineering & Construction (Eastern) Ltd.
S.H.C. Control Systems Inc.
Swayne, Michael
Yanofsky, Hyman
A few nice guys at the Chapter meeting Oct.15th/02

Frank Bann
ASHRAE OVC - Research Promotion

SIEMENS

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TEGA Awards

The purpose of the ASHRAE Technology Awards program is to:

- Recognize ASHRAE members who design and/or conceive innovative technological concepts that are proven through actual operating data;
- Communicate innovative systems designs to other ASHRAE members;
- Highlight technological achievements of ASHRAE to others, including associated professionals and societies worldwide, as well as building and facility owners.

Awards are presented first to the chapter's TEGA committee, then it may be presented to the Region. And the best submissions for the region may be presented to Society. These awards are grouped in seven different categories:

- Commercial Buildings (New and Existing); Institutional Buildings (New and Existing);
- Health Care Facilities (New and Existing); Industrial Facilities or Processes (New and Existing);
- Public Assembly (New and Existing); Residential (New and Existing); Alternative or Renewable Energy Use.

At the Society level, for each category a first, second, and honorable mention winner may be named. Also, one of the category first place winners may be selected to receive the ASHRAE Award of Engineering Excellence. The recipient will have demonstrated the best overall compliance with the judging criteria.

The submissions for the chapter awards are very simple. A short form is filled out and presented to the TEGA chair (Joel Primeau) or the TEGA awards coordinator (Frank Vaculik). Joel and Frank can help you fill out your form.

This is a great opportunity to toot your own horn. We tend to downplay our engineering and design skills as ordinary when in fact the work we do is important, challenging and extraordinary. Don't be shy! If you think you might have a good project to submit, then you probably do!


Joel Primeau, TEGA Chair



Nicolaos Haitas, P. Eng.
President

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HISTORY – 50 YEARS AGO

1954-55

The October meeting of the Chapter was held at the New Prescott Hotel. During the business session President W. J. Robinson told the Chapter that in the new re-zoning, he was pleased to report that Canada still remains a separate zone and would be zone 11. The subject of the society name change was discussed amongst the chapter members. President W. J. Robinson urged that all members entitled to vote make their voice heard and vote. The speaker for the evening was Mr. Sweeney, manager central Ontario sales, Fiberglass Canada Ltd. His presentation was on fiberglass insulation. A fiberglass fishing rod was raffled off at the end of the meeting which was won by D. Banton.

At November's meeting Past President G. Ostiguy was presented with the Past President's pin and a silver tray as a gift from the Chapter. The speaker for the evening was Mr. Strain of the Rudd Mfg. Co.. His subject was on *The Development of Natural Gas Industry in Canada*. An interesting quote from the speaker was "Known reserves in Canada today are enough for an estimated 50 years with only 5% of the estimated reserves discovered today."

January's meeting program was a panel discussion on *Heating, Ventilating, and Air Conditioning*; the meeting was adjourned at 10:20pm.

The February meeting was postponed to the 21st in lieu of the 15th as it would conflict with the society meeting in Philadelphia. The treasurers reported a balance of \$309.63 and that 40 members had paid their dues to date. The Canadian representative on the nominating committee would be W. Pennock of Ottawa, while the alternate delegate would be W. Hole of Montreal. The society would be charging an extra rate for the Journal and that it would be up to the members option whether they receive the journal. At the Toronto CRC a Canadian Chapter Committee was formulated to encourage ideas and growth of the society in Canada. A motion was passed that the delegate and alternate at the CRC would automatically be the president and vice-president. This motion was later withdrawn due to J. Klassens' objections as to the validity of this motion for constitutional reasons as this might mean a change in the by-laws. The speaker for the evening was Dr. N.B. Hutcheon of the National Research Council and his topic was *Humidity in Canadian Buildings*.

At March's meeting the nominating committee was elected:

J. Klassen (Chairman)

G. Goodkey

S. Scith

The speaker for the evening was Mr. John W. James, Vice-President of Society and his topic was *ASHRAE and Indoor Climate*.

At April's meeting the nominating committee put forth the following names for office:

President - E. Schoenherr

Vice-President - N. J. Howes

Secretary - D. Banton

Treasurer - C. Watson & S. Bullis

Board of Governors - A. Gray, J. Green, A. Hargreaves, W. Hodgins

The speaker for the evening was Mr. Lorne Wiggs, senior partner in the firm of Wiggs, Walford, Frost and Lindsay, Consulting Engineers, with its head office in Montreal and offices in Toronto and Ottawa. He is also a past president of the Montreal Chapter. His topic was *Hot Water Heating*.

The May meeting was the last meeting of the year. The retiring president gave his report of the past year reviewing highlights such as the increase in attendance at meetings. The new board was elected into office as follows:

President - E. Schoenherr

Vice-President - N. J. Howes

Secretary - D. Banton

Treasurer - C. Watson

Board of Governors - A. Gray, J. Green, A. Hargreaves



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Program

Christine Gaffney

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President E. Schoenherr then presented W. Robinson with the Past President's pin and a silver tray as a token of the chapter's appreciation. J. Klassen put forth a suggestion that an educational program be initiated in Ottawa for the trade in general to further acquaint as many people as possible with the aims of the society. It was further suggested that a prize might be given to the outstanding pupils in the Heating and Ventilating courses at colleges or technical schools. The speaker for the evening was Mr. McGovern, a prominent Ottawa lawyer and his topic was *Mechanics lines*.

Key events in Ottawa History during this year:

Prime Minister : Louis St. Laurent (1948-57) Liberal

Governor General: Vincent Massey (1952-59)

Canadian Dollar: \$1.03US

Toronto Stock Exchange: TSE

Date Event

1954

Gallup Poll says a family of four can live comfortably on \$50 a week, considerably less than the estimated \$60 in 1951; half of this amount spent on food.

November 27th 1954 Toronto Pop Ivys CFL Edmonton Eskimos beat Montreal Alouettes 26-25 to win the 42nd Grey Cup match; game famous for Hunsinger fumble.

1954

written.

William Goldins ALord of the Flies@ is published, the most influential fantasy novel ever

Stanley Cup & events in NHL

Detroit Red Wings

-Rocket Richard is suspended for the remainder of the season. As a result

Richard riot rocks Montreal.

-The Zamboni makes its NHL debut at the Maple Leaf Gardens.