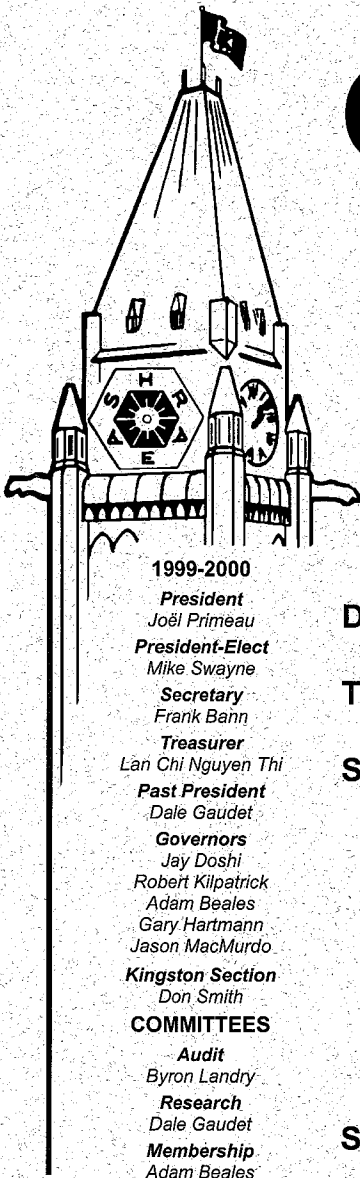


Capital Communiqué

AMERICAN SOCIETY OF
HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS

APRIL 2000

PROGRAM



1999-2000

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AI Oakes Award

Dale Gaudet

Nominations

Dalton McIntyre

CRC Action

Mike Swayne

DATE: April 18, 2000

THEME: RESEARCH

SPEAKER: DR. C. Y. (JOHN) SHAW

Dr. C.Y. (John) Shaw is the Group Leader of the Ventilation and Indoor Air Quality Group at the Institute for Research in Construction (IRC). He joined the IRC in 1971 and has more than twenty years experience in tracer gas measurements techniques, ventilation for large buildings and houses, and smoke control. He also spent six years in the design of HVAC systems for office buildings and laboratories. Much of his work at IRC deals with air leakage and air movement in buildings, which have a direct effect on the indoor environment.

SUBJECT: ATRIUM DESIGN

Atriums offer an attractive option to building designers, owners and occupants. Until now, however, their characteristics have not been well understood, resulting in reported high energy costs and problems related to air movement, fire safety, lighting and noise levels.

A comprehensive, multidisciplinary research effort by an IRC-led consortium is providing new and essential information on the way atrium environments operate, creating the potential for both increased energy savings and an improved indoor environment.

The presentation will highlight the results of the monitoring of two atrium spaces. One of the atria is in a three-storey building located in Ottawa; the other is in a six-storey courthouse located in Quebec City. The research targeted the daylighting availability and the thermal and ventilation performance in the atria.

MENU

Caesar and Pasta Salads, Beef and Chicken Kebabs
Greek Style Roasted Potatoes, Mixed Garden Vegetables
Rolls and Butter, Italian Zucotta Supreme, Coffee and Tea

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


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PRESIDENT'S MESSAGE

There once was a cheap curler from ASHRAE
At the bonspiel, would always order beer by the tray
He hated paying for so much booze
But he hated even more to lose...
Even though he knew at Mastron the trophy would stay

I sure hope Stan Millross reads his communique!
Congratulations to Mastron for winning the 2000
Ottawa Valley ASHRAE Bonspiel. I also want to thank
the organizing team for this event: Chris Healey, Stan
Millross, Christine Kemp and Cathy Godin. As usual,
all participants had a fantastic time. A thousand thanks.

I'm very excited about this month's topic. At the
beginning of the year, I challenged the program
committee to come up with topics of interest to like-

minded organizations and invite the members from these
societies. We've had limited success with ASPE, BOMA
and RSES members attending our meetings. But for this
month's topic, for the first time, we've put together a
focused effort at inviting our friends at IES (Illuminating
Engineering Society). The topic of Atrium design should
be of great interest to you. You may even want to invite a
few of your architect friends/customers to the meeting.
Our technical session on updates to the ASHRAE/IES
standard 90.1-1999 will also be a very pertinent.

Let's have a strong finish, we have two outstanding
programs for our last meetings this year. I hope to see
you all and don't forget to bring a friend.

Regards,

Joel Primeau
President, Ottawa Valley Chapter of ASHRAE

TECHNICAL SESSION

WHAT ASHRAE Standard 90-1-1999


WHERE Hellenic Banquet Centre

WHEN April 18, 2000 - 5:00 p.m.

TOPIC In June of 1999 the ASHRAE Standards Committee and ASHRAE Board of Directors approved ASHRAE/IESNA Standard 90-1-1999. In October of 1999 all appeals to the standard were denied. At the February 2000 ASHRAE meetings in Dallas, Texas, the standard was available.

Please join us for a presentation which will look at what the standard contains and discuss its affect on building designers, owners, occupants and contractors, with concentration on the HVAC section.

Our moderator will be Mr. Mick Schwendler, Sr. Principal Applications Engineer with The Trane Company. Mick is an active member of ASHRAE and has served several society committees including RC1.5, SSPC 90.1 and has served on a presidential committee for the "ASHRAE Learning Institute". Mick received his MSME from the University of Wisconsin Solar Energy Laboratory and BSME from Northwestern University.




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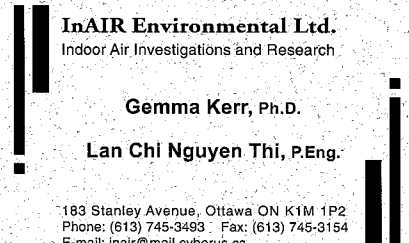
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ASHRAE - TABLE TOP DISPLAYS

Contact Randy Cavill (225-9774) if you are interested in presenting a table top display at future meetings.

TEGA

It's Technology Awards time again. This year we have four entries as follows:

- Pierre de Gagne for chiller plant optimisation at the University of Ottawa
- Leslie Jones for retrofit of the Mountain Equipment Co-op
- Subash Vohra for cogeneration turbine air cooling at the National Research Council
- Subash Vohra for an air quality and energy retrofit at the National Research Council

Watch this spot, or, even better, come to the April Chapter Meeting to find out the winners.

At the March Chapter Meeting some of you saw Region 2's Technical, Energy and Government Activities (TEGA) award displayed. Ottawa has won this for the past two years. We'd like to win it for a third time, and you may be able to help us do it. We get points for every presentation made on HVAC&R technology by an ASHRAE member to a professional or business group of 10 or more people. If you have given a talk that fills the bill, we'd like to hear from you. Contact me or anyone else on the TEGA committee

Gemma Kerr, TEGA Committee Member
Phone: 745-3493 Fax 745-3154 Email:
inair@mail.cyberus.ca

EMAIL ADDRESS

The Capital Communique will be changing to an electronic format later in the fall we need everyone's email address to make this a success. Please let Kevin Toll know your email address. Call him at 723-4611 or email thvac@magma.ca

ADDRESS CHANGES

If you have any address changes, please notify Atlanta as soon as possible. The new toll-free number for ASHRAE Society is 1-800-5-ASHRAE (1-800-527-4723). You can use it for a variety of services including general information, same-day address changes and credit card payment of membership dues, meeting registration or bookstore purchases.

STUDENT ACTIVITIES

Congratulations to the following students who have won this year's awards to the ASHRAE Ottawa Valley Chapter Student Branch Scholarships, each valued at \$250;

University of Ottawa: Claire Grimwood; Algonquin College: Chris McClelland; Queens University: TBA

Also, the following students are this year's recipients of the ASHRAE Awards at the Ottawa Regional Science Fair, which took place at the Museum of Nature, April 1. Criteria: Must be related to the HVAC industry or have some potential application. Award: 3 awards - Best in each division (Junior \$50, Intermediate \$75, Senior \$100).

Junior Category: Nicole DeSilva; School: Hawthorne Public School; Project: Blinds for an Energy Efficient Home

Intermediate Category: Melanie Chen; School: Glebe Collegiate Institute; Project: Heat Storage and Release System

Senior Category: Stefan Victor Tazlauanu; School: Glebe Collegiate Institute; Project: Efficient Design of an Energetically Independent House

The purpose of the ASHRAE Student Activities Committee is increase students' interested in the field of heating, ventilating, refrigeration and air conditioning. It is quite encouraging to see such bright minds and innovations in these students who are the future of our industry. We will be presenting the student branch awards at the April 18 meeting. Please join us in congratulating all the recipients.

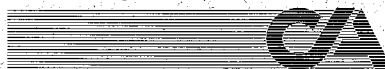
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WHAT YOU MISSED

Last months meeting featured an afternoon seminar on Heat Recovery. The meeting was well attended with over forty people present. We had three speakers who reviewed the merits of Enthalpy Wheels, Heat Pipes and Plate Type heat exchangers. Thanks to all who contributed their time and energy to make the meeting a success.

ASHRAE RESEARCH PROMOTION

Over the decades ASHRAE Research Canada has helped develop HVAC&R technology that is providing healthier environments for our homes and offices as well as influencing our design projects, product lines and methods of installation. Just look in our Handbooks and Standards for examples.

To help stimulate "cutting edge" activity. ASHRAE has committed \$1 million to a new research classification that focuses on areas of emerging and high risk technologies. Member support, now and in the past, is making investment in this futuristic research possible.

Please, carefully consider making our investment today. A RP committee member will be calling on you shortly. Thank you for your generous support for the future of our industry.

Dale A. Gaudet, P.Eng.

Past President, Research Promotion Chair 99/00.

2000 ASHRAE CURLING BONSPIEL

The results are in, everyone had a good time. Congratulations to Mastron Mechanical (Stan Millross, Bob Laplante, Dan Bowie & John Lancaster) for coming out on top. Thanks to all those who participated & donated prizes, thanks to the Nepean Sportsplex and to Capone's Catering for a great meal. Thanks to Cathy Godin, Christine Kemp and Stan Millross for all their help organizing the event. See you in the fall for the Golf Tournament.

Chris Healey



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

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