

OTTAWA VALLEY CHAPTER

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# Capital Communiqué

AMERICAN SOCIETY OF

HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS

APRIL 1998

## PROGRAM

**DATE:** April 21, 1998

**THEME:** PROGRAM

**SPEAKER:** SPEAKER

Dr. Jones currently serves as a department head at Kansas State University where he has spent the last 18 years of his career. Prior to joining KSU, Dr. Jones was a Senior Systems Scientist at the Montana Energy and MHD Research and Development Institute.

Byron received his bachelor degree in mechanical engineering at KSU in 1971 followed by his M.S. and Ph.D. at Oklahoma State University.

His areas of expertise include mass and heat transfer, human thermal systems simulation and thermal measurements and instrumentation. He is an active researcher and ASHRAE member and has been involved in many ASHRAE sponsored research projects.

**SUBJECT:** DESIGNING FOR THERMAL COMFORT

An analysis of the human body can be done in much the same way as any other thermal system, and can be used to quantitatively describe the thermal interaction between the body and the surrounding environment.

Examining the impact that various factors including temperature, humidity, thermal radiation and air motion have on the human body can provide a scientific basis for designing buildings and their hvac systems to provide a quality thermal comfort environment.

## 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  
Conference Centre**  
1315 Prince of Wales Drive

1997-98

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*Roster*

*Robin Craig*

*Home Page*

*Gabriel Laszlo*

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## PRESIDENT'S MESSAGE

This month's theme is 'program'. We are very privileged to have, once again, an ASHRAE Distinguished Lecturer. We are privileged not only because he is a Distinguished Lecturer but because very few chapters get to hear him speak. Byron Jones will be joining us from Kansas State University. He will talk to us on a topic of great interest to all of us: Designing for Thermal Comfort.

Hope to see you all there!

Your President,  
Karen Peck, P.Eng.  
Phone: 733-9781  
Fax: 737-4985  
Email: karen.peck@ca.landisstaefa.com

## TECHNICAL SESSION

**WHAT:** You are encouraged to attend a technical session prior to the dinner meeting when the three recipients of the ASHRAE Technology Awards presented by the TEGA committee in March will make brief presentations on the projects for which these awards were received.


The winners include:

Pierre DeGagne of the University of Ottawa for ventilation system upgrades for De Celles Auditorium; David Eastwood of Smith & Anderson Consulting Engineers for hvac upgrades to the Louis St. Laurent Bldg. and an air quality improvement project at Fellows High School, Pembroke; and Subash Vohra of the National Research Council for an ice chiller and storage system for wind tunnel cooling.

Please come out and support these worthy recipients.

**WHERE:** The Hellenic Banquet and Conference Centre

**WHEN:** April 21, 1998 at 5:00 p.m.




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## 1997-98 ASHRAE CHAPTER TECHNOLOGY AWARDS

TEGA committee proudly announces the following winners of the 1997-98 Chapter ASHRAE Technology Award:

- First Place in the Existing Industrial Facilities or Processes Category goes to Subash Vohra for his contribution to the Ice Storage Facility for Wind Tunnel project at the National Research Council
- First Place in the Existing Public Assembly Category goes to Pierre de Gagne for his contribution to the DeCelles Auditorium project at University of Ottawa
- First Place in the Existing Commercial Buildings Category goes to David Eastwood for his contribution to the HVAC Systems Upgrade at the Louis St. Laurent Building, Hull, Quebec, and
- First Place in the Existing Institutional Building Category goes to David Eastwood for his contribution to the 1996-97 Air Quality Improvement Program at the Fellowes High School Pembroke, Ontario

Congratulations to all winners!

TEGA Committee would like to thank the above winners for their participation. We know there are many more excellent projects out there, and hope that they can be submitted and recognized next year.

## CURLING WRAP-UP

The 1998 Curling Bonspiel was held this past March 20th at the Nepean Sportsplex. Twenty groups entered teams with high expectations, however, it became evident early that most of the teams were there for fun and sportsmanship. Ultimately, the team from Total HVAC came out on top, congratulations!! Thanks to Stan Millross for acting as emcee, to Capones Catering for a great meal, to Cathy Godin of Trane for help in gathering the prizes and to Christine Kemp for help in organizing the event. Lastly, thanks to all the individuals and organizations that donated the prizes.

## SPECIAL MEALS

Please let telephone committee caller know if you have any special meal requirements.

## 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.

## DALTON MINTY

Dalton Minty, an ASHRAE member since 1983, lost his battle with cancer on March 6, 1998 at the age of 75. He will be remembered by his many friends and business acquaintances as a very intelligent, but intense individual, who worked unsparingly in the pursuit of his beliefs. He was a Mechanical Consulting Engineer who was one of the early advocates of energy conservation in commercial buildings in the Ottawa area. He was a truly unique person who will not soon be forgotten in our industry.

## WHAT YOU MISSED

- A change of location - last month's Chapter Meeting was held at Consumers' Gas.
- Technical session on natural-gas-powered vehicles - conversion from gasoline is easy, economic for medium-mileage applications, and the fuel burns more cleanly.
- A varied and interesting program covering methods for laying underground pipe, testing for gas leaks, leak-free hook-up methods, focussed customer service and the changing face of the industry.
- Thanks to all of the Consumers volunteers who helped make this an excellent evening.

## TABLE TOP DISPLAY

The Table Top display will feature Landis & Staefa's newest line of electronic damper actuators "OpenAir" and the 599 Flowrite series of valves. Come out and learn these new products.

Total HVAC and ATS Inc. will be exhibiting its precision air conditioning equipment and modular chillers.

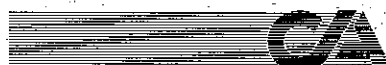
Please contact Randy Cavill at tel. 225-9774 for information on displaying your products at future meetings.

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



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## TECHNICAL SEMINAR ON AIR CLEANING

Please mark your calendar. On May 19, 1998, the Chapter will present a seminar on air cleaning. The objectives of the seminar are to review the issues related to air cleaning, to bring you up to date, and to seek feedback for the ASHRAE Researcher from the grass roots membership.

The Seminar will start at 3:00 p.m. Four presentations will be followed by a break with the opportunity to view a Table Top Display by local filter suppliers. The last item will be a forum where you input to the Society's R&D program related to air cleaning will be sought and greatly appreciated.

### Speakers:

Antoine Chase: Dry Media Mechanical Filters, How and Why They Work  
Brian Monk: Gaseous Air Cleaning  
Frank Vaculik: ASHRAE Standards 52.1 and 52.2  
Dr. Gemma Kerr: What is New on Ashrae TC 2.3 Gaseous Contaminants/  
Removal Equipment and TC2.4 Particulate Air Contaminants  
Removal Equipment

### Forum Moderator:

Bob Kilpatrick: Message to ASHRAE: What air cleaning related information ASHRAE members need from ASHRAE Society and , specifically, from the above two Technical Committees.

The cost is \$40.00. You can pay at the door by cash or cheque. We hope to see you there to learn about the latest development, to provide your input and to support the Student Activities Committee, which will benefit from the proceeds.

## GBIC, ASHRAE AND RAIC GREEN BUILDING SEMINAR

1300 - 1700, Tuesday, May 26

Auditorium, Building M-50, National Research Council, Montreal Road, Ottawa  
\$50 including GST; \$40 including GST if member of GBIC, ASHRAE or RAIC

Chair: Chris Frauley, ASHRAE

ASHRAE, the Royal Architectural Institute of Canada and the Green Building Information Council are pleased to announce a seminar on energy and environmental issues related to buildings. The seminar will include discussion of the Green Building Challenge '98 (GBC '98), an international project to develop new performance assessment tools that has the backing of ASHRAE, the RAIC and GBIC. You will also hear about new energy simulation tools being developed by Natural Resources Canada and others. Finally, you will have a chance to hear about something that will directly affect your bottom line - the new Commercial Buildings Incentive Program (CBIP) and the companion Renewable Energy Demonstration Initiative (REDI), both sponsored by NRCan. Both of these programs are set to go by April 1, and they form the major components of a new initiative that will provide \$20 million per year over three years.

## ASHRAE - KINGSTON SECTION

*The Kingstonians are coming!*

Lets show a warm Ottawa welcome for members of the Kingston section who will be in attendance at the April Ottawa Chapter meeting to be formally presented with the Section Charter and Banner. We will resume our monthly Kingston meeting in May and as always, Ottawa Members are heartily welcomed. Let J.P. Tardif or Adam Beales know should you wish to attend the May meeting.



ASHRAE, Ottawa Valley Chapter Board of Governors  
can be reached at P.O. Box 21088, 151A Second Avenue, Ottawa, Ontario K1S 5N1

Publication deadline is the first Tuesday of each month

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