

Capital Communiqué

AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR CONDITIONING ENGINEERS

APRIL, 1994

PROGRAM

DATE: April 19, 1994
THEME: COMMISSIONING
SPEAKER: MR. DON HENNING

Mr. Don Henning, is Senior Advisor to Accomodation Management in the Real Property Branch of Public Works and Government Services Canada.

Mr. Henning was one of the key forces behind the accessibly program in the Federal Government. He is now involved in the program of providing work environment to the today's and future office workers that is expected to be conducive to their productivity.

SUBJECT: COMMISSIONING OF INDOOR ENVIRONMENT

Recently conducted project in the National Capital Region, based on a research work pioneered in Australia, revealed some of the important points most of the traditional designers do not have an opportunity to come across. Based on the experience gained by this project, Mr. Henning will provide a different outlook on the need to commission buildings and the indoor environment in them.

SOCIAL - 17:30 Hrs

DINNER - 18:30 - 20:00 Hrs

PROGRAM - 20:00 Hrs

Phileas Fogg Metropolitan House
 99 Bank Street, MacDonald Room

MENU

Vegetable Vinaigrette

Roast Tom Turkey

Whipped Potatoes - Vegetables

Coconut Cream Pie

PRESIDENT'S MESSAGE



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Table Top
 Paul Séguin
CRC '94
 Guy Bourbonnière

I know a lot of you look forward to this segment of the Communiqué, to enjoy your president's wit, insight, technical knowledge and overall brilliance. Well I am happy to say I have not let you down yet!

WIT - The thought of the month: "He who knows how, will always have a job and he who knows why, will always be his boss".

INSIGHT - Anyone seen March's ASHRAE Insight, our publicity committee is doing a fantastic job. Hey is that the back of Guy Bourbonnière's head I see!!

TECHNICAL - Sign up for our Commissioning for Acceptable IAQ Seminar. Learn the most recent techniques and standards in indoor air quality and commissioning.

BRILLIANCE - Webster defines brilliance as 'Sparkling Appearance; luster; magnificence' but enough about me!

Hope to see you all at the seminar and our monthly meeting April 19th.

Ross McIntyre
 President



SOCIETY OF FIRE PROTECTION ENGINEERS

The National Capital Region chapter is conducting a luncheon seminar on HALON ALTERNATIVES and will update you on alternative Halon technology.

During the afternoon, there will be four speakers discussing

- Alternative to Halon
- Halon Banking
- Changed Approach to Fire Protection of EDP
- Overview of Water Mist Technology

Date: Friday, April 15, 1994

Time: 11:30 to 16:45

Place: Chimo Hotel; Queensway and St. Laurent Blvd.

Price: \$35 for SFPE members
\$40 others

Contact Dan Anderson at 727-4723 ext. 5939 for other details and to register.

TABLE TOP DISPLAY

The table top display will feature IAQ Commissioning instruments presented at the afternoon IAQ Commissioning Seminar.

Contact Paul Séguin at 228-9037 for more information on presenting a table top at upcoming meetings. The new 1993-1994 rate is \$100.00 per display. Note that we still have openings for *your* display this spring!

CURLING

This year's edition of the ASHRAE Curling Bonspiel was another huge success. Stan Millross of Mastron kept everybody entertained. While Chris Healey of Walmart kept everybody organized. Thanks guys!

This year's winning team, representing York International, consisted of: Brenda Spiers - C,L,P; Kevin Thompson - J.L. Richards; Pierre DeGagne - Ottawa U; and Paul Cousineau

This year's Horse's Ass Trophy went to the R.J. McKee team consisting of: Andrew Lawton, Dave Brumm, Jim Siciliano and Lee Keeley.

Again, thanks to all those who helped by donating prizes.

WHAT YOU MAY HAVE MISSED MARCH MEETING

The dinner meeting was preceeded by a technical session. Dr. Warnock of NRC discussed their ASHRAE Research project, which involves developing a reliable method of evaluating HVAC component noise radiating through different types of ceilings.

The ASHRAE Research theme continued with the main program being a presentation of Canada's involvement with ASHRAE Research and the results of an ASHRAE Research / NRC project regarding smoke control for sprinklered buildings.



NEW NATIONAL ENERGY CODE

A new National Energy Code has been drafted in response to concerns about our limited resources, the economy, and the environment. The provincial/territorial committee on building standards decided to integrate the energy code in the National Building Code (NBC). There will be two codes: one for new buildings and one for new houses, linked in a mandatory way to the NBC.

The National Energy Code for Buildings includes mandatory, prescriptive and performance requirements for the building envelope, lighting, electrical power, HVAC systems, and service water heating. Once the model code has been adopted by the authorities having jurisdiction, all buildings will have to comply with the energy efficiency provisions of the relevant provincial, territorial or municipal regulations, or with the national energy code.

The draft of the new National Energy Code, scheduled to be published in 1995, is currently under public review. Written comments received until the end of May, 1994 will be considered by the standing committee on energy conservation in buildings. Free copies are available from Public Review - Energy Code, Canadian Codes Centre, Institute for Research in Construction, National Research Council of Canada, Building M-24, Montreal Road, Ottawa, Ont. K1A 0R6, fax: (613) 952-4040.

ENERGY FACT

So you think its been a cold winter at your house? Did you know that the Federal Government's annual energy bill is over \$600 million? The good news is that it is estimated that \$100 million could be saved each year through energy conservation efforts.

The Handbook Committee Chairman has asked our chapter to find 3 volunteers to review four sections of the Fundamentals 1994 SI handbook. This is an important task, and the ASHRAE president recognizes its importance by awarding PAOE points to our chapter for service of this kind. More information will be available at April's meeting, but meanwhile please consider how YOU can make a contribution to this effort.

We on the Technical Committee are asking you to "snitch" on your friends! Do you know of an interesting project completed over a year ago that may qualify for an ASHRAE award at either the Region or Society level? Then please let me know and our committee will do the rest. The categories are for new or existing work on Commercial, Institutional, Health Care, Industrial, Public Assembly or Residential Buildings. As well, there is a category for Alternative or Renewable Energy Use. So think about it, then tell me about it - Jeff Weir 225-7554.

UPCOMING IAQ SEMINAR

Mark your calendars for an upcoming afternoon seminar on April 19th in Ottawa on IAQ Commissioning. Your Education Committee has been busy making arrangements for informed and interesting speakers to address the control and maintenance of good IAQ. See the information sheet attached.

CHAPTER DOES NOT ACT FOR SOCIETY

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ASHRAE American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

The Ottawa Valley Chapter of ASHRAE invites you to a seminar on IAQ entitled
COMMISSIONING FOR ACCEPTABLE INDOOR AIR QUALITY

The seminar will be held at the **Talisman Hotel on April 19, 1994**. The objectives are to offer information about the most current developments in ASHRAE on indoor air quality (IAQ), a great deal of which is happening right here in Ottawa, and to generate funds for ASHRAE Chapter to support student branch activities at Ottawa and Carleton Universities and Algonquin College.

PROGRAM

- 13:00 Welcome by Chapter President
- 13:05 Opening Remarks
- 13:15 **New CSA Indoor Air Quality Guideline, Contents, Applications.** This document is just about to be released. It contains practical advice for designers, commissioning practitioners, property managers, building operators, building owners and tenants. *Speaker: John Cowan, Cowan Quality Buildings, Toronto*
- 13:45 **Off-gassing Control - Demonstration of a New NRC Computer System.** The system can be used to predict the most effective and most energy efficient method of off-gassing control during renovation and retrofit work. *Speakers: Dr. Ed Platt, Professor, Carleton University, ASECOR Consulting, Manotick; and Nady Said, Senior Research Engineer, National Research Council.*
- 14:15 **Demonstration of a New Computer System for Commissioning of Energy Efficient HVAC System Start-up Time.** The program predicts the best HVAC start-up time for a given set of conditions including outdoor temperature and number of hours without ventilation. *Speakers: Dr. Ed Platt and Nady Said.*
- 14:45 **Test Kit for IAQ Assessment.** A demonstration of equipment necessary for assessment of IAQ and a presentation of cases where commissioning for acceptable IAQ was not properly done or done at all. *Speaker: Tedd Nathanson, Senior Building Scientist, Public Works and Government Services Canada.*
- 15:15 Break
- 15:30 **IAQ Assessment by Post Occupancy Evaluation.** An assessment from the non-technical side of the issue expressed in terms of human perception rather than hard technical numbers. *Speaker: Don Henning, Senior Architect, Public Works and Government Services Canada*
- 16:00 **Panel Discussion of issues surrounding IAQ**
Moderator: Frank Vaculik
Panelists to include representatives from the fields of HVAC Design, Architecture, Mechanical Contracting, Property Management and Industrial Hygiene.
- 16:55 Closing Remarks and Adjournment

Please mark your calendar and call for a reservation ... only a limited number of seats are available. Early registration is \$75, at the door \$85, students \$25. Make your cheque payable to "ASHRAE - Ottawa Valley Chapter". Contact Phil Mayfield, Frontec Logistics at 787-3871.