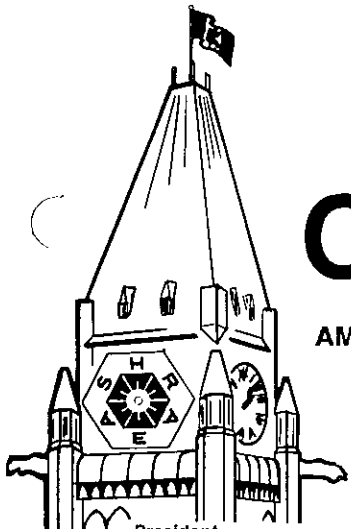


Capital Communiqué

AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR CONDITIONING ENGINEERS

NOVEMBER 1993
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 OTTAWA, ONTARIO



PROGRAM

DATE: November 16, 1993
THEME: ENERGY & RESEARCH
SPEAKER: PHILIP B. JAGO

Philip Jago is the acting Chief of the Industrial Energy Efficiency Initiative with the Department of Natural Resources Canada (NRCan). During his career with NRCan, he has worked in a number of areas pertaining to energy efficiency in existing residential construction including the development of building retrofit solutions and industry liaison. He has been involved with demand side management, integrated resource planning, and the implementation of energy efficiency upgrade projects by the federal government under the auspices of NRCan's Federal Buildings Initiative.

SUBJECT: FOCUS ON INNOVATION
 THE EFFICIENCY AND ENVIRONMENTAL INITIATIVE
 A PRACTICAL RESPONSE TO CANADA'S
 ENERGY AND ENVIRONMENTAL CHALLENGES

The presentation will provide an overview of the Department of Natural Resources challenge of maintaining an equilibrium among the potentially conflicting areas of energy efficiency, the environment and the economy. During the past 3 years, Canada's Efficiency and Alternative Energy Initiative has put together an interesting program combining regulations, persuasion and the use of partnerships to remove barriers in order to increase the adoption of energy efficiency within Canada. The presentation will provide a description of these approaches as well as examining a variety of innovative projects that have recently been undertaken. Please come out and hear our speaker this month.

MENU

- Hot and Cold Buffet
- Baked Tourtières
- Baked Ham en Croûte - Mustard Sauce
- Roast Potatoes
- Tossed Greens
- Creamy Potato Salad
- Pasta Vegetable Salad
- Fresh Vegetable Tray
- Chocolate Ameretto Mousse

SOCIAL - 17:30 Hrs
DINNER - 18:30 - 20:00 Hrs
PROGRAM - 20:00 Hrs
 Phileas Fogg Metropolitan House
 99 Bank Street, MacDonald Room

PRESIDENT'S MESSAGE

I GOT THE PLAN; I GOT THE PEOPLE; AND TOGETHER WE WILL THRILL YOU!!

What a program we have for you this coming month. Along with the exciting technical session and evening program, the chapter is inviting every member to attend while we award "Life Time Memberships" to not one but six of our members.

Come out and mingle with your peers and add to the already exciting pastime we call the "Monthly ASHRAE Chapter Meeting."

Ross McIntyre
 President

TECHNICAL SESSION TECHNICAL SESSION TECHNICAL SESSION TECHNICAL SESSION TECHNICAL SESSION

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- Research**
Neil Armstrong
- Program**
Andrew Bogdanowicz
- Special Events**
Randy Cavill
- Publicity**
Pierre Scott
- Communique**
Rod Lancefield
- Greeters**
Allen Place
- Al Oakes Award**
Neil Armstrong
- Government Affairs**
Gabriel Laszlo
- Chapter Historian**
Paul Baker
- Roster**
Michael Fancy
- Table Top**
Paul Séguin
- CRC '94**
Guy Bourbonnière

TECHNICAL SESSION

WHERE: 99 Bank Street, MacDonald Cartier Room
(usual Chapter Meeting place)

WHEN: November 16, 1993

TIME: 4:00 p.m.

Paul Smith, Sales Manager of Building Systems and Peter Grabner, Sales Engineer, both with Honeywell Inc. will be giving a presentation on Performance Contracting. They will explain the overall process, its logistics, financial ramifications, technical considerations, as well as present some case histories.

ASHRAE RESEARCH PROMOTION

ASHRAE RESEARCH CONTRIBUTIONS have taken a serious decline in the recent economical situation.

For 1993-1994, we have a target of \$12,000.00 just to meet par is PAOE and a challenge "Target" of \$14,635.00 to meet Society's goal. To meet the challenge our Research Promotion will be a four part program.

1. A special team effort to re visit all previous donors who did not contribute in 92/93 starting in November.
2. Increase participation by individuals to support AHSRAE Research.
3. A March campaign to approach corporations who continue to faithfully support ASHRAE Research.
4. A special committee to widen our outlook and support for ASHRAE Research.

I am looking for enthusiastic committee members to start phase I. Please call me NOW at 596-9111 to volunteer.

Neil Armstrong
Research Promotion Chairman

ACTIVE ASHRAE RESEARCH PROJECTS (Aug./93)

INVESTIGATION OF DYNAMIC LATENT HEAT STORAGE EFFECTS OF BUILDING CONSTRUCTION AND FURNISHINGS
\$110,650.00 - ONTARIO RESEARCH FOUNDATION

DETERMINATION OF WINDOW SYSTEMS VALUES
\$129,570.00 - ENERMOTAL ENGINEERING, LTD.

LABORATORY METHODS OF TESTING FOR RATING LOW FREQUENCY SOUND EMISSION OF AIR-CONDITIONING EQUIPMENT
\$114,317.00 - NATIONAL RESEARCH COUNCIL

HEAT PUMP/HEAT RECOVERY OPERATION EXPERIENCE
\$64,500.00 - CANETA RESEARCH INC.

FIELD VERIFICATION OF PROBLEMS CAUSED BY STACK EFFECT IN TALL BUILDING
\$35,000.00 - MORRISON HERSCHFELD, LTD.

EVALUATION OF SOLAR HEAT GAIN TEST METHODS
\$96,620.00 - QUEEN'S UNIVERSITY

MEASUREMENT OF TWO-PHASE REFRIGERANT LIQUID-VAPOUR MASS FLOW RATE
\$106,800.00 - McMASTER UNIVERSITY

DETERMINATION OF THE EFFECT OF CEILING SYSTEMS AND PLENUM SOUND POWER RADIATED THROUGH CEILING BY HVAC COMPONENTS
\$90,227.00 - NATIONAL RESEARCH COUNCIL

IMPACT OF STAFF TRAINING ON THE MAINTENANCE AND ENERGY COSTS OF PUBLIC AND COMMERCIAL TYPE BUILDINGS
\$51,880.00 - ENGINEERING INTERFACE, LTD.

TOTAL ASHRAE REGION 2 COMMITMENT - \$799,564.

TABLE TOP DISPLAY, NOVEMBER MEETING

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.

ENERGY FACT

Energy User News reports energy savings in terms of reduced carbon dioxide emissions. According to them an MCF of natural gas creates about 52 kilograms of carbon dioxide emissions, and the generation of one kWh of electricity creates 0.6 kilograms of carbon dioxide.

The Ontario Ministry of Energy has a booklet that states; "Every tree absorbs an average of 4 kilograms of carbon dioxide from the air every year."

URGENT MESSAGE FROM THE EDUCATIONAL COMMITTEE

Continuing Education: In the October issue of Communique, the Educational Committee announced a new initiative of HVAC evening courses to be offered at the Ottawa University. The initiative will proceed only if there are more than about twenty people interested to take the courses.

Please let us know before November 19, 1993, otherwise the initiative will have to be postponed for a year. We would like to also know what is your preferred subject from the suggested list below.

Thermal Load Calculation
Indoor Environment Quality Control
Refrigeration in HVAC
Co-generation
Controls

The above list is expected to be modified from year to year, depending on the interest. The exact scope, format, time table and fees will be discussed with the University based on your input. The committee expects to arrange for one to three night courses in the Spring of 1994.

If you are interested, or if there is someone in your office that may be interested, please contact Frank Vaculik at 736-2687, FAX 736-2826, and give him your name, phone number and FAX number.

Dale Gaudet
Chairman
Educational Committee

WHAT YOU MAY HAVE MISSED

For those unable to attend last month's meeting, a tour of a 4MW Co-Generation Plant presently under construction was held at the National Research Council on Montreal Road.

The speaker for the evening program was Subash Vohra, director of Facilities Engineering and Maintenance at NRC, who spoke on energy performance contracting in general, and specifically about a very successful contract of this nature recently completed at NRC.

SPECIAL MEALS

We have been informed that individual meals can be prepared for members and guests having special dietary requirements. On request, the catering office can provide meals suitable for diabetics, no pork, vegetarian etc. Please note that a minimum of 24 hours notice to the catering office is necessary. Arrangements can be made through the telephone committee each month.

Our thanks to Morrison Lamothe catering staff for making this possible.

CHAPTER DOES NOT ACT FOR SOCIETY



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

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