

Capital Communiqué

AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR CONDITIONING ENGINEERS

SEPTEMBER, 1992

PROGRAM

DATE: September 15, 1992
THEME: Membership Promotion
SPEAKER: Jim Ford, Public Works Canada
Architectural and Engineering Services
TOPIC: EMCS - Standard Protocols
(EMCS - Energy Management Control System)

SOCIAL - 17:30 Hrs

DINNER - 18:30 - 20:00 Hrs

PROGRAM - 20:00 Hrs

**Phileas Fogg Metropolitan House
99 Bank Street, MacDonald Room**

MENU

**Tossed Chef Salad
Chicken Breast Forestière
Roast Potatoes, Vegetable
Apple Pie Chantilly**

PRESIDENT'S MESSAGE

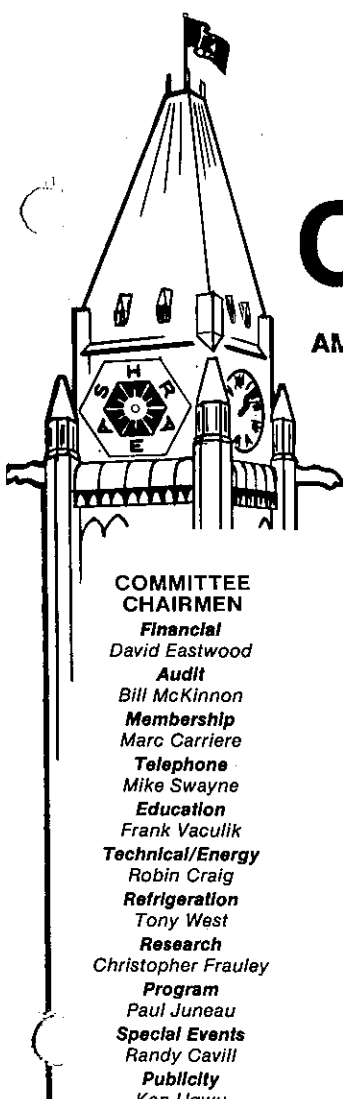
"Membership Night" has been advanced to September this year to "Kick Start" our drive to increase membership.

We want everyone to be part of our Membership Promotion Committee this year. Please talk-up

"ASHRAE" to your friends and colleagues in the HVAC & R industry. We have an exciting year planned and are dedicated to make your ASHRAE membership very worthwhile.

Neil Armstrong

TOUR • TOUR • TOUR • TOUR • TOUR • TOUR • TOUR • TOUR



TOUR OF NEW U OF O SCIENCE LAB!

This World Class Scientific Research Facility is nearing completion. Locally designed by BBB Architects and LGA M & E Engineers this \$21,000,000 Laboratory, a candidate for the Canadian Electrical Association/Ontario Hydro Energy Efficiency Award of Distinction, incorporates several leading edge technologies. Herb Dean of the University will be leading the Tour.

Where to meet: Lobby of 141 Louis Pasteur Private
When: 4:00 p.m., September 15th
What to Bring: Hard Hats and Safety Boots are a must
Parking: 100 Thomas Moore near King Edward
Underground garage, or parking meters near Louis Pasteur and Marie Curie Privates

MEMBERSHIP

Increased membership participation in the Chapter's activities is necessary if the Chapter is to grow and flourish. The theme for our September Chapter Meeting is Membership Night. The purpose of the evening is to promote and increase our membership participation in Chapter's activities. Let's remember that every Chapter member is automatically a member of our Membership Committee, so bring a guest, meet a new member and share your knowledge at our September Chapter Meeting.

All guests in attendance at the September Meeting will be eligible to win a FREE MEAL at the next Chapter Meeting.

I hope to see you there.

Marc Carriere

DUES REMINDER

Time once again to pay ASHRAE annual dues. The Ottawa Valley Chapter offers a \$140.00 meal plan membership or a \$50.00 basic membership, the same rates as last year. We are enclosing a second chapter membership form with this newsletter. ASHRAE Atlanta headquarters asks for 132.00 Canadian.

Mail your dues to the address on this newsletter, or bring your chequebook to the next meeting.

IN MEMORY OF JOE PYNE

The ASHRAE Ottawa Valley Chapter extends sympathy to the family and friends of Joe Pyne. Joe passed away June 11, 1992. Many ASHRAE members knew him as a chapter member and for his work with Public Works Canada A. and E. Services at the National Gallery and other facilities.

SEMINAR ANNOUNCEMENT

The Toronto Chapter, in association with Ontario Hydro, is sponsoring a seminar and equipment exhibition on the subject of "HVAC Software" on Monday, October 26th, at the Sheraton Parkway Hotel in Toronto. The exhibit and seminar will feature exhibitors showing their HVAC related computer software products. A pamphlet, containing pertinent details is enclosed.

For Further Information Contact:
Elizabeth Bellmore
ASHRAE Toronto Office
5468 Dundas Street West, Suite 308,
Etobicoke Ontario M9B 6E3
Phone: (416) 239-8193
Fax: (416) 239-1983

A FEW WORDS FROM THE EDITOR

If you have any comments or articles you wish published please forward them to:

Allison Johns
c/o J.L. Richards & Associates Ltd.
864 Lady Ellen Place
Ottawa, Ontario K1Z 5M2
Phone: 728-3571 Fax: 728-6012



ASHRAE, Ottawa Valley Chapter Board of Governors
can be reached at P.O. Box 3123, Station "C", Ottawa, Ontario K1Y 4J4

Publication deadline is the first Tuesday of each month

The Editor - Allison Johns

Fax: 728-6012

Phone: 728-3571



TABLE TOP DISPLAYS

As you may be aware, Chapter members and those in the HVAC industry are permitted to sponsor Table Top Displays of products, services, equipment and systems, subject to the following restrictions:

-the display will not interfere with the technical or business session.
-the surface area of the display is limited to 4 dinner tables placed adjacent to each other.

-only one display per Chapter Meeting will be approved.

-This presents a good opportunity to raise the profile of your company's products and services to a broad audience of Chapter members and guests.

Cost is \$200.00 per Table Top, unchanged from last year. Contact Paul Seguin at 228-9037 for further details.

GOLF NOTICE

The winner's of trophies are as follows:

Nortec "Most Honest" - Mike Mortimer - Honeywell Ltd.
Low Gross - Jim Siciliano/Bruce Watkin
- Anrep Associates
Low Net - Stan Millross - Mastron Mechanical
Jim Moore Memorial Award - Robert Lojk - CHEO
Contractor's Award - Paul Seguin - Maunder Britnell Inc.

ASHRAE would like to thank all those who participated in this years Golf Classic held at Manderley August 12. As usual Mr. Stan Millross was fantastic as M.C., keeping everyone on their toes, Thank you Stan!

We would like to thank all those who donated prizes this year, and if I missed anyone I sincerely apologize.

-Mastron Mechanical
-ASL - Ruskin - Krueger
-Brights Wines
-Engineered Air
-Nailor Industries
-Wiles Legault
-R.J. McKee Eng.
-Midnight Mechanical
-Francis Mechanical
-S.K. Sheet Metal
-Thermel Insulation
-Murray Supply
-Kanata Air Balancing
-Chiarelli Engineering
-Jo-Ad Industries
-Ted Digel Sales
-Honeywell
-Canadian Tire, Clyde Ave.
-Data - Air
-Breck-Mar Sales
-Walmar Mech. Sales
-Johnson Controls
-John Lunde & Assoc.
-Walmar Ventilation
-Ottawa Valley Mechanical
-J.L. Richards & Assoc.
-Ideal Roofing
-Aqua-Vap
-Precision Air
-Mech. Trade Sales
-Patrick Durkin & Assoc.
-V.C.I. Controls
-Goodkey - Weedmark Engineers
-York

Again, Thank you to everyone who donated; without your support this tournament could not have been as successful as it was.

Randy Cavill

PROFESSIONAL DEVELOPMENT SEMINAR

Increase Your Professional Knowledge -
Help Your Chapter Earn PAOE Points -

Attend ASHRAE's
Professional Development Seminars (PDS)

"Design of Off-Peak
Cooling Systems"
October 19-20, 1992

in
Montreal

For a complete program brochure and registration information contact
Mariateta Henry at ASHRAE Headquarters (404-636-8400, Fax 404-321-5478).

<u>DATE</u>	<u>THEME</u>	<u>EVENING PROGRAM</u>	<u>TECH. SESSION/TOUR</u>	<u>TABLE TOP</u>	<u>PERSON RESPONSIBLE</u>
Sept. 21	Membership	C-2000 Program for Advanced Commercial Buildings (Nils Larsson)	Inova House Tour 4:00 PM	Membership Applications	M. Carriere
Oct. 19	Awards	Energy Performance Contracting - Case Study (S. Vohra)	NRC - Cogeneration Facility Tour	Belnor - Lab Hoods Ventilation Control	R. McIntyre
Nov. 16	Energy	Federal Programs on Energy Improvement Strategies - EMR Participation in "Green Plan" Initiative (R. McKenzie)	CAESCO Presentation - Video/Speaker 4:30 PM	To Be Determined	J. Weir
Jan. 18	Students	Refrigeration Applications in Food Industry	Tour of a Brewer Refrigeration System	To Be Determined	F. Vaculik S. Goel
Jan/Feb	Spouses Night				P. Seguin
Feb. 15	Refrigeration	Forum on CFCs	Mechanical Refrigeration Code, Speaker	To Be Determined	S. Goel
March 15	Research	How Research Funds Are Spent (J. Mawhinney S. Bakarar)	To Be Determined	To Be Determined	F. Vaculik N. Armstrong
April 19	Commissioning	Commissioning of Indoor Environment	Afternoon Seminar	Instruments Used in IAQ Testing	F. Vaculik
May 17	Past President	History of HVAC Industry Development	Tour of Parliament East Block	To Be Determined	P. Baker

BUILDING OWNERS AND MANAGERS ASSOCIATION
OF OTTAWA-CARLETON
AND
THE STANDARD LIFE ASSURANCE COMPANY

Present the

1993 ENERGY FORUM
LIVING WITHIN OUR LIMITS

Keynote Speaker

DR. DAVID SUZUKI

Dr. Suzuki was born on March 24, 1936 in Vancouver, B.C. He graduated from Amherst College, Amherst, Massachusetts in 1958 with a B.A. Honours degree. He then went on to the University of Chicago where he graduated with a Ph.D. in 1961. He continued his studies at NIH Summer Fellow at the Rocky Mountain Biological Lab, Crested Butte, Colorado and then became a Research Associate in the Biology Division, Oak Ridge National Lab, Oak Ridge, Tennessee. He began his academic career as an Assistant Professor in the Department of Genetics at the University of Alberta and is today a Professor in the Department of Zoology at the University of British Columbia.

He has popularized science through his many articles, books, records, tapes, films, radio and television appearances. We are honoured to have Dr. Suzuki address delegates at this year's energy forum.

LOCATION: NATIONAL GALLERY OF CANADA
DATE: Thursday, October 21, 1993
TIME: 7:30 a.m. - 1:30 p.m.
COST: Before September 10 - BOMA Members \$75 (incl. GST)
Non-members \$85 (incl. GST)
After September 10 - BOMA members \$85 (incl. GST)
Non-members \$95 (incl. GST)

GST # R106817521

1993 ENERGY FORUM - LIVING WITHIN OUR LIMITS

NAME(S) _____
COMPANY _____
ADDRESS _____
PHONE: _____ FAX _____

Choice of workshop (Please see reverse for details)

SESSION 1 Workshop 1A _____ Workshop 1B _____

SESSION 2 Workshop 2A _____ Workshop 2B _____

Cheque for \$ _____ is enclosed.

To register, please complete and return to:
BOMA OTTAWA-CARLETON, 141 LAURIER AVENUE WEST, SUITE 705, OTTAWA,
K1P 5J3

Note: Registration will only be confirmed on receipt of payment.

See Over

1993 ENERGY FORUM - LIVING WITHIN OUR LIMITS

PROGRAM

7:30 a.m. Registration and Coffee
8:25 a.m. Welcome
8:30 a.m. - 10:30 a.m. Dr. Suzuki speaks on
"The Challenge of the Next Millennium:
Living Within Ecological Limits"
10:30 a.m. - 11:00 a.m. Senior Executive,
Ontario Hydro speaks
11:00 a.m. - 11:30 a.m. Refreshments
11:30 a.m. - 12:30 p.m. Workshops
12:30 p.m. - 1:30 p.m. Workshops

Delegates are offered a choice of two workshops for each session.

11:30 a.m. - 12:30 p.m.

Workshop 1A CFC's - Put Your Plan Into Action"
Workshop 1B Facility Management Systems - "Controlling Your
Building - The Next Generation"

12:30 p.m. - 1:30 p.m.

Workshop 2A Building Management - "Smart Operators Save Money"
Workshop 2B Performance Contracting - "How To Guarantee Energy
Savings"

Please check your selection when registering. Although every effort will be made to give you the workshop of your choice we cannot guarantee your selection and therefore reserve the right to offer a substitute.

We wish to take this opportunity to thank our sponsors:

Our Partner		Standard Life
Session 1 Workshop 1A		Bell Canada
Session 1 Workshop 1B		Ottawa Hydro/Ontario Hydro
Session 2 Workshop 2A		Government Services
Session 2 Workshop 2B		Landis & Gyr/ Digel Trane
Printing		Consumers Gas
Door Prizes		Johnson Controls
Speakers Gifts		Canada Post Corporation
Dr. Suzuki's Accommodation		Lord Elgin Hotel

ed Material


- Director/Manager of Engineering
- Training Director
- Director of Personnel

Please route if necessary to:

ASHRAE
 1791 Tullie Circle NE
 Atlanta, GA 30329

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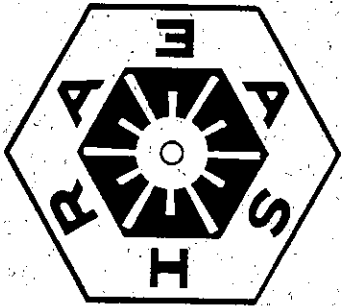
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Design of Off-Peak Cooling Systems

October 19-20, 1992

Montreal, PQ





Design of Off-Peak Cooling Systems

October 19-20, 1992

Montreal, PQ



FRAN

Covers concepts, fundamentals, and design for ice and chilled water thermal storage systems. Focuses on economic feasibility, load calculations, systems design, control and operation of cooling storage.

Key Topics:

- Economics of Cooling Storage
- Chilled Water Storage Design
- Ice System Storage Design
- Cooling Storage Performance
- Design Cycle Load Calculations
- Integrating Storage with Building System
- Storage Control and Operation

Who Should Attend:

Consulting engineers, utility engineers, system designers and the engineering staff members of mechanical contractors, refrigeration contractors and building operators.

Hotel Accommodations:

Hotel reservations should be made directly with the hotel at least three weeks in advance to take advantage of special rates. After that, reservations will be taken on a space available basis. To obtain the *ASHRAE special room rate*, be sure to mention that you are attending an ASHRAE professional development seminar.

Lecturers:

E. Ian Mackie is a consulting engineer for Mackie Associates. He is an ASHRAE Fellow and has over 25 years experience in the design of building environmental systems. He is the author of a series of energy analysis programs, was a member of ASHRAE TC 4.7 Energy Calculations and a charter member of TC 6.9 Thermal Storage. Mr. Mackie is the author of *A Design Guide for Stratified Chilled Water Storage Systems*.

William V. Richards is president of R.E.D. International Corp., a design firm supplying custom refrigeration equipment. He is an ASHRAE Fellow and recipient of the Society's Distinguished Service Award. Mr. Richards is currently chairman of ASHRAE SPC-15 Safety Code for Mechanical Refrigeration. He was one of the authors of the *EPRI Commercial Cool Storage Design Guide*.

Location:

Holiday Inn Crowne Plaza
Centreville-Downtown
420, rue Sherbrooke Ouest
Montreal, PQ
(514) 842-6111

Seminar Schedule:

DAY 1 - Registration 8:00-8:30 a.m.
Program 8:30-5:00 p.m.
DAY 2 - Program 8:30-4:00 p.m.

Cancellation Policy:

All registration fees will be refunded in full if cancellation is received at ASHRAE Headquarters by 12:00 noon, seven working days prior to the beginning of the seminar. Otherwise, the fee is transferable to another person or to any other seminar scheduled during the 1992 Fall series by notifying ASHRAE Headquarters.

ASHRAE reserves the right to cancel any seminars having insufficient registrants; in which case, all prepaid registration fees will be refunded in full. ASHRAE cannot be responsible for any losses incurred resulting from cancellation of a seminar.

Design of Off-Peak Cooling Systems October 19-20, 1992 Montreal, PQ

NAME _____ COMPANY _____

MAILING ADDRESS _____

CITY _____ STATE _____ ZIP _____ PHONE _____

Registration Fee (Any payment received after September 28, 1992)

\$530 U.S. (\$636 Canadian Funds) Member _____ membership number \$605 U.S. (\$726 Canadian Funds) Non-Member

Early Registration Fee (Payment must be received by September 28 10, 1992 in order to receive lower rate)

\$490 U.S. (\$588 Canadian Funds) Member _____ membership number \$565 U.S. (\$678 Canadian Funds) Non-Member

METHOD OF PAYMENT

Check Enclosed _____ amount

Charge _____ amount VISA MasterCard American Express Expiration date _____

Card number _____ Name on Card _____

Send your registration form with payment enclosed to:

Education Coordinator, ASHRAE, 1791 Tullie Circle, NE, Atlanta, GA 30329 (404) 636-8400, Fax (404) 321-5478