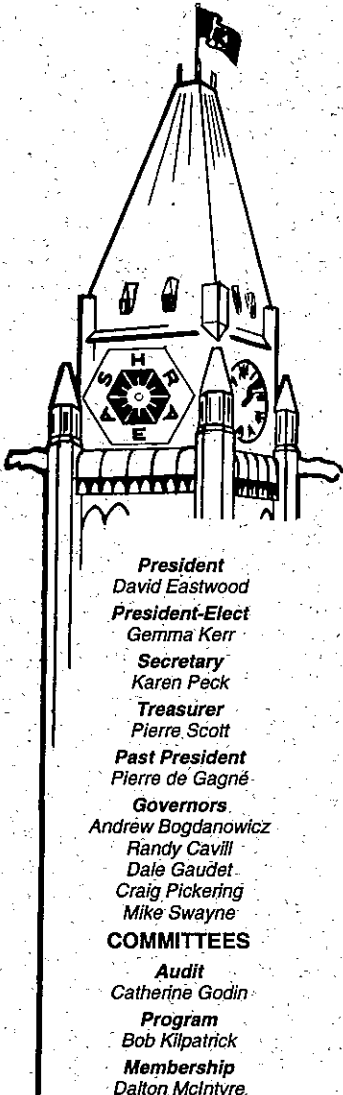


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AMERICAN SOCIETY OF
 HEATING, REFRIGERATING AND AIR CONDITIONING ENGINEERS

JANUARY 1996



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PAOE Program
 Gemma Kerr

PROGRAM

DATE: JANUARY 16, 1996
THEME STUDENT NIGHT
SPEAKER: DON MACDONALD, Phoenix Controls

Don is currently employed by Phoenix Controls Corporation, the world leader in "critical airflow control" products and systems. His position as Northern Regional Sales Manager takes him across Canada as well as parts of the USA.

Don graduated from Ryerson Polytechnic University in 1977 and specialized in control technology. Upon graduation, he worked for Johnson Controls for 16 years in a variety of technical, sales, marketing and branch management positions.

Don is a member of ISPE (International Society of Pharmaceutical Engineers) and CHES (Canadian Hospital Engineering Society).




SUBJECT: LABORATORY AIRFLOWS CONTROLS, DESIGN CONSIDERATIONS, FIRST COST REDUCTION, SAFETY ISSUES AND LIFECYCLE COSTS.

MENU

Tossed Salad with Italian Vinaigrette, Creamy Potato Salad, Pasta Salad, Coleslaw
 BBQ Spareribs, Vegetarian Lasagna, Teriyaki Chicken, Oven Roasted Potatoes.
 Dinner Rolls and Butter, Apple Pie, 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**

 <p>RODERICK J. LANCEFIELD, P.Eng. Territory Manager Central Region</p> <hr/> <p>CARRIER CANADA LIMITED 1453 Coldrey Avenue, Ottawa, Ontario K1Z 7P8 Tel: (613) 725-3888 Fax: (613) 725-9706</p>	 <p>WALMAR VENTILATION PRODUCTS MANUFACTURERS, AGENTS & DISTRIBUTORS</p> <p>RANDY CAVILL, C.E.T. Vice-President</p> <p>TEL: (613) 225-9774 FAX: (613) 225-2972 24 GURDWARA ROAD, NEPEAN, ONTARIO, K2E 8B5</p>	 <p>MODERN MECHANICAL INC. PLUMBING • HEATING • VENTILATION • AIR CONDITIONING 85 Denzil Doyle Court, Kanata, Ontario K2M 2G8</p> <p>JOHN R. McANINCH, P.Eng. PRESIDENT</p> <p>(613) 591-7505 Fax: (613) 591-1523</p>	<p>REL-AIR MECHANICAL INC.</p> <p>96 Grassy Pt. Kanata, Ont. K2M 2N3</p> <p>Kelly R. V.</p>
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PRESIDENT'S MESSAGE

The theme for the January chapter meeting is Education. Education night is not only about students, but it also demonstrates ASHRAE's vision statement, as applied to the real world at the chapter level. ASHRAE's Vision Statement is:

"ASHRAE will be the global leader in the arts and sciences of heating, ventilation, air conditioning and refrigeration;

ASHRAE will be the foremost, authoritative, timely and responsive source of technical and educational information, standards and guidelines;

ASHRAE will be the primary provider of opportunity for professional growth, recognizing and adapting to changing demographics, and embracing diversity."

Join us at the January meeting, as one of the global leaders in the arts and sciences of HVAC&R.

Attendees at the January meeting are requested to not wear ties, helping to create a casual and welcoming atmosphere for the less students.

David Eastwood



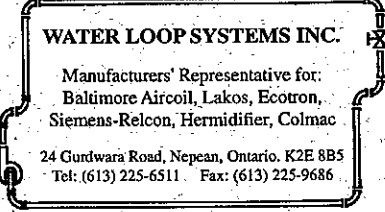


TECHNICAL SESSION

TOPIC: Fan fundamentals

WHERE: The Hellenic Banquet and Conference Centre

TIME: 4:45 p.m. to 5:45 p.m.

NOTE: This technical session is aimed mostly at students as the session will present basic and practical concepts of fan operation and fan selection. The session would also be an excellent review of fan fundamentals for the more mature (ie older) students of life.

 <p>METHOT</p> <p>1060 Boul. Michele-Bohec Suite 101 Blainville, Quebec J7C 5E2</p> <p>Tel: (514) 433-9878 Fax: (514) 433-6866</p> <p>Michael McNamara, Eng. President</p> <p>1-800-METHOT-2</p>	 <p>Francis H.V.A.C. Services Ltd. Quality Service Since 1933</p> <p>Brian A. Francis President</p> <p>29 Cleopatra drive, Nepean, Ontario, K2G 0B6 Tel.: (613) 723-4709 Fax: (613) 228-9030 Direct Service Line: (613) 723-7809 24 Hour Emergency Service, 7 Days a Week</p> <ul style="list-style-type: none"> • Heating • Ventilation • Air Conditioning • Maintenance Plans • Boiler Maintenance • Duct Cleaning • Design/Build • REVCO Service Dealer • Refrigeration • Ultra-Low Freezers 	 <p>WATER LOOP SYSTEMS INC.</p> <p>Manufacturers' Representative for: Baltimore Aircoil, Lakos, Ecotron, Siemens-Relcon, Hermidifier, Colmac</p> <p>24 Gurdwara Road, Nepean, Ontario, K2E 8B5 Tel: (613) 225-6511 Fax: (613) 225-9686</p>	<p>Les Contrôles MIKOT Controls Inc.</p> <p> BARBEL ROBERT</p> <p> SECURITY ELECTRIC SCHLAGE ELECTRIC</p> <p>Représentant auto</p>
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ASHRAE

Ottawa Valley Chapter

Technical and Energy Committee

IN ASSOCIATION WITH

PUBLIC WORKS /
GOVERNMENT SERVICES
CANADA

IS PLEASED TO PRESENT A

WORKSHOP

Facility Upgrades Through Energy Performance Contracts

18 APRIL 1995
1:00 - 4:00 PM

Federal Government
Training Center

HERON ROAD COMPLEX
OTTAWA, ONTARIO

Panelists representing Owners, Contractors (ESCOs) and Design Consultants will present and discuss their perspectives with respect to Energy Performance Contracting

Schedule

1:00 - 1:15 PM Opening Remarks

1:15 - 3:15 PM Panelist Presentations

3:15 - 3:30 PM Break

3:30 - 4:45 PM Panel Discussion

4:45 - 5:00 PM Closing Remarks

Topics of Discussion:

- The relationships between the Owner, the Contractor, the Financing Agency and the Design Consultant

- The Energy Performance Contract Procedure, from Proposal Call, Preparation, Submission and Evaluation

- The potential benefits and risks to the Owner and the Contractor

- Quality Assurance, Design, Construction, Commissioning, Operation and Performance

- Value Engineering

Admittance

\$ 50.00 ASHRAE members and PW/GSC employees
\$ 60.00 Non-members
\$ 15.00 Student Members

Anyone interested in attending should contact Phil Mayfield, or fill the space below out and fax or mail this pamphlet to my attention at:

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100-170 Laurier Ave. W.
Ottawa, ON K1P 5V5
Tel.: (613) 787-3871 Fax: (613) 787-3888

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Company: _____

Cheque Enclosed () Pay at Gate ()

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TABLE TOP DISPLAY

At the January meeting we are pleased to present two (2) displays:

Belimo will be displaying "The Cutting Edge of Technology". Direct coupled actuators, for use in ventilation and air conditioning as well as DDC control systems. Technical innovations, such as our brushless DC motors, technology with microprocessors, for a better functionability, operation, reliability and quality.

Control Valve will be displaying valves manufactured by Dresser Industries. These include Hancock forged steal valves, Consolidated safety valves and Masoneilan control valves, featuring the "Varimax" with adjustable CV.

Please contact Mike Swayne at tel. 828-2000, fax 828-1011 if you are interested in presenting a table top display at future meetings. The 1995-96 rate is unchanged from last year at \$100.00 per display.

MEMBERSHIP NIGHT

For those of you who were at the November meeting you will remember that it was Membership Promotion Night. Come to the January meeting to see if you are the lucky winner of the free chapter membership for next year.

ADDRESS CHANGES

If you have any address changes, please notify Atlanta as soon as possible.

NEW MEMBERS





- Dr. Magdi Hanna
- Denis R. Lamoureux, Consumers Gas
- Robert Lojk, Children's Hospital of Eastern Ontario
- Howard Pike
- Dr. M. Nady Sald, National Research Council

STUDENTS NIGHT

This year's students night will have a different twist. Traditionally, the members were asked to sponsor students by donating \$10 or \$20 to cover a portion of the costs of the students' meals. The student affairs committee decided to hold a raffle instead of our usual begging(!). The prizes were donated by corporate members or other corporations associated with ASHRAE. The prizes include tickets to see the Senators at the Palladium and other goodies. The tickets are \$5 each or 3 for \$10 (consultants will be quick to notice that buying 3 is a bargain!). Tickets will be on sale at the meeting or you can call Joel Primeau at 742-2493 ext. 2222 or by fax at 742-2488 to order them if you will not be attending (he'll collect the money later). This is a good cause . . . remember these students will hopefully become members of ASHRAE like you and then we'll gauge *them* for the students' night!

Thank you for your generosity.

Also, please mingle with the students; many of them will join our industry soon, maybe you could hire the smarter ones before the competition does.

<p>Michel Harel Président/President</p> <p>1010 Polytek, suite 44 G^{re}er, Ontario K1</p> <p>Tél.: (613) 742-5954 Fax: (613) 742-5955</p> <p>Authorized representative</p>	 <p>Guy H. J. Bourbonniere P Eng Sales Manager</p>   <p>Trane Canada 1745 Courtwood Crescent Ottawa, Ontario K2C 3J2 Tel 613 226 1810 Fax 613 226 5852</p>	 <p>CAPITAL AIR CONDITIONING LTD.</p> <p>KEN BOYD VICE PRESIDENT</p> <p>9 ANTARES DRIVE NEPEAN, ONT., K2E 7V5</p> <p>TEL: 225-0140 FAX: 225-6904</p>	<p>K L I M A R AGENCY INC. FOR DIV. 15 CONSULTANTS AND TRADES</p> <p>I. Erik Walesiak, M.Sc. President</p> <p>1378 LAFERRIERE AVE. SUITE 400 OTTAWA, ONTARIO K1Z 7S3</p> <p>PHONE (613) 729-1734 FAX (613) 798-1986 PAGER (613) 786-6931</p>
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ASHRAE TRAVEL PLANNING GUIDE

Plan your vacation or business travel to coincide with major ASHRAE meetings.

February 17-21, 1996, Atlanta, Georgia
ASHRAE Winter Meeting and Product Show.

Enjoy early spring weather

Visit the sites for the 1996 Summer Olympics
Home of the 1995 World Series Champion, Atlanta Braves.

June 22-26, 1996, San Antonio, Texas

ASHRAE Annual Meeting

Test your stamina with the summer heat in Texas
Home of the CFL San Antonio Texans

September 1996, London, Ontario

ASHRAE, Region 2, C.R.C.

Local highlights include

Storey Book Gardens for the youngsters
and the Grand Bend Beach for the party animals.

These ASHRAE meetings have not yet instituted a NO TIE policy.



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

Publication deadline is the first Tuesday of each month

The Editor - Rod Lancefield

Fax: 820-9462

Phone: 820-7810

