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AMERICAN SOCIETY OF
HEATING, REFRIGERATING AND AIR CONDITIONING ENGINEERS

SEPTEMBER 1995

PROGRAM

DATE: September 19, 1995
THEME: MEMBERSHIP AND PROMOTION
SPEAKERS: ROGER TOUW AND BOB DE GRASSE

Roger is a Professional Engineer and received his Degree from the University of Toronto in 1970. He also has a Master's degree from York University in Energy and Environmental Studies and a diploma in Business and Marketing from Wilfrid Laurier.

Roger is currently Manager - Cooling Programs, Marketing at Consumers Gas Company's headquarters in Toronto. Prior to joining Consumers Gas he has had over 20 year's experience in Commercial and Industrial Marketing areas.

Roger is a member of ASHRAE (Toronto Chapter), APEO and CSPE. He is a very active volunteer for the community.

Bob is a CET and has been active in the HVAC industry both in Manufacturing as well as in the Controls. Prior to joining Consumers Gas he has worked at Lennox Industries and Johnson Controls. He has over 15 years HVAC experience.

Bob is currently in the HVAC group of Consumers Gas Company's marketing department.

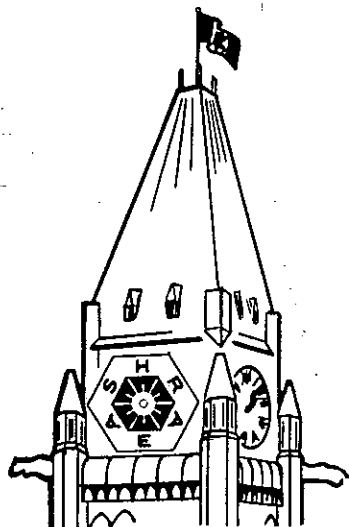
SUBJECT: EVOLVING COST EFFECTIVE GAS
TECHNOLOGIES AND INNOVATIVE FINANCING
APPROACHES FROM CONSUMERS GAS

BARBEQUE

Mixed Green Salad, Cole Slaw, Fusilli Salad, Three Bean Salad
Greek Salad, Baked Potatoes, Skewers of Chicken and Pork,
Coffee, Tea, Bread, Butter and Apple Pie

SOCIAL - 17:30 Hrs Hellenic Banquet and
DINNER - 18:30 - 20:00 Hrs Conference Centre
PROGRAM - 20:00 Hrs 1315 Prince of Wales Drive

TOUR TOUR TOUR TOUR TOUR TOUR TOUR TOUR TOUR



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Special Events
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Paul LaRochelle

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Rod Lancefield

Greeters
Lan Chi Nguyen Thi




AI Oakes Award
Pierre deGagn  

Roster
Robin Craig

Table Top
Jim Mills

Nominations
Frank Bann

PAOE Program
Gemma Kerr

 <p>Roderick J. Lancefield, P.Eng. Territory Manager Central Region</p> <hr/> <p>CARRIER CANADA LIMITED 1463 Cokrey Avenue, Ottawa, Ontario K1Z 7P8 Tel: (613) 725-3886 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>KEL-AIR MECHANICAL INC.</p> <p>96 Grassy Plain Kanata, Ont. K2M 2N3</p> <p>Kelly R. W.</p>
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PRESIDENT'S MESSAGE

The 1995-1996 Ottawa Valley Chapter Activities are forging ahead. Committees are organized and looking for new members. Planning is well underway. The change to collection of basic dues through Atlanta has been implemented.

The CRC in Toronto confirmed last year's achievements and helped set a direction for future success. Soon you will find ASHRAE while surfing the net.

The golf tournament was a great success. Appreciative thanks to all participants, contributors and organizers.

Cogitate two ideas applicable to the heart of volunteer based organizations such as ASHRAE:

- Big things can be accomplished by many participants each making a small contribution.
- You get out of an experience, what you put into it. Participation increases the gusto.

If you have managed to read this far you deserve a reward. The secret number is one.

David Eastwood

TECHNICAL TOUR

WHAT: You are invited to attend an on-site technical session and tour of the gas-fired turbine cogeneration facility at the National Research Council.

WHERE: Montreal Road Campus
Heating Plant, Building M-6

WHEN: September 19, 1995 at 4:00 p.m.

DIRECTIONS:

Take Blair Road North from the Queensway, turn left at Montreal Road and enter NRC property on the right. Proceed north, turn right, then immediately left. The heating plant is the third building on the right. Free parking across from Bldg. M-3 or at M-21.

Your tour guide will be Subash Vohra, Director of Engineering and Maintenance.




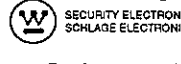
DID YOU KNOW?

ASHRAE is the single most important Technical Society when it comes to influencing the quality of life in the world. No collection of technologies does more for human beings on this earth than does ASHRAE's. It sounds crazy, but it is true. Consider the following:

Everything that ASHRAE does and considers has as its objective the improvement of the quality of life... when the iron curtain finally fell in Europe, the single largest request for publications by eastern block countries was for ASHRAE Handbooks! ASHRAE was inundated with requests for materials because they represented the best collection of technology for improving the quality of life that was so lacking in those countries!




EDITORIAL

Due to delays in getting business cards to our printers. We were unable to get the new communique letterhead produced in time for our September newsletter. With the attached 1995-96 program you will also find our new executive and committee chairpeople. Sorry for the inconvenience. Our October newsletter will show our new executive and advertisers.

 <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 HVAC Services Ltd.</p> <p>Quality Service Since 1933</p> <p>Brian A. Francis President</p> <p>29 Cleopatra drive, Nepean, Ontario, K2G 0B8 Tel.: (613) 723-4700 Fax: (613) 228-9030 Direct Service Line: (613) 723-7869 24 Hour Emergency Service, 7 Days a Week</p> <ul style="list-style-type: none"> <li style="width: 50%;">• Heating <li style="width: 50%;">• Duct Cleaning <li style="width: 50%;">• Ventilation <li style="width: 50%;">• Design/Build <li style="width: 50%;">• Air Conditioning <li style="width: 50%;">• REVOO Service Dealer <li style="width: 50%;">• Maintenance Plans <li style="width: 50%;">• Refrigeration <li style="width: 50%;">• Boiler Maintenance <li style="width: 50%;">• 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> BARBER-COLY ROBERTSHAW</p> <p> SECURITY ELECTRONIC SCHLAGE ELECTRONIC</p> <p>Représentant autorisé</p>
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ASHRAE OTTAWA VALLEY CHAPTER - MEETING SCHEDULE 1995/1996

DATE	THEME	TECHNICAL SESSION/TOUR	EVENING PROGRAM
Sept. 19/95	Membership Promotion	Technical Session & Tour of National Research Council's 4MW Co-Generation Plant	Evolving Cost Effective Natural Gas Technologies Presented by Consumer's Gas
Oct. 17/95	Research & Awards	Technical Session: Update on BAS Communication Protocols BACnet and CAB	Ventilation Design for Safe Laboratory Environments Presented by Phoenix Industrial Hygienists
Nov. 21/95	Membership Promotion	Technical Session & Tour of the Palladium (new home of NHL Ottawa Senators)	Review of Palladium Project from Conception to Completion Presented by PCL General Contractors and J.L. Richards Consulting Engineers
Jan. 16/96	Education	Afternoon Seminar: Hydronic Systems Fundamentals	Cleanroom Technology Presented by prominent design/build contractor
Feb. 20/96	Refrigeration	Technical Session: Refrigeration Principles	Outdoor Heat Rejection Equipment: Selection, Operation and Maintenance Presented by leading equipment manufacturer
Mar. 19/96	Technical / Energy & Research	Afternoon Seminar: The Indoor Environment	Overview of Afternoon Seminar Panel Discussion and Question/Answer session
Apr. 16/96	Gov't Affairs & Program	Technical Session & Tour of La Cite Collegiale	Update on Federal Buildings Initiatives (FBI) Program Presented by Program Administrators
May 21/96	History	Technical Session: ASHRAE Historical Video	What's new in the Business Communications World Presented by Bell Mobility

<p>SPECIALIZING IN HEATING, VENTILATION AND AIR CONDITIONING</p> <p>tel: (613) 599-6945 fax: (613) 599-7441</p> <p>, President</p>	 <p>Goodkey, Weedmark & Associates (1985) Limited 1749 Woodward Drive Ottawa, Canada, K2C 0P9 Tel. 613-727-5111 Fax 613-727-5115</p> <p>G.F. Carscallen, P.Eng. President Consulting Engineers</p>	 <p>TRIWAY SHEET METAL CO. LTD. DENNIS EGAN</p> <p>114 WILLOWLEA ROAD CARR, ONTARIO K0A 1L0</p> <p>TEL. (613) 831-8777 (613) 831-8776 FAX. (613) 831-8778</p>	 <p>PATRICK DURKIN AND ASSOCIATES LTD.</p> <p>DISTRIBUTORS OF HEATING, AIR CONDITIONING & VENTILATION</p> <p>Patrick (Pat) Durkin</p> <p>857 BOYD AVENUE OTTAWA, ONTARIO K2A 2C9</p> <p>FAX: (613) 728-4377 TEL: (613) 728-5586</p>
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A NOTE FROM THE PROGRAM COMMITTEE

The program committee has been busy throughout the summer months planning an exciting combination of technical sessions, tours and evening programs for your enjoyment during the upcoming ASHRAE year.

As a service to you, the membership, and to qualify for those all important bonus PAOE points, we have included with this newsletter the schedule for the entire season. Every month is a can't miss event. See you there!!

TABLE TOP DISPLAY

The S.A. Armstrong Pump Company will be hosting the table top display for the September meeting. They will be represented by Tony Mercier of Walmar Mechanical.

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.

ASHRAE GOLF TOURNAMENT

The ASHRAE Golf tournament was held on August the 17th. Again, thanks to the participation of the 140 golfers, the event was a huge success. I would like to personally thank Chris Healey of Walmar and Stan Millross of Mastron, who as always put in many hours to make the day special.

As is the case every time ASHRAE holds an event like this, there are people who go out of their way to ensure that everybody receives some sort of prize. I would like to thank all the sponsors for their generous donations. We would also like to thank Paul from Walmar and Cathy from Trane for delivering refreshments.

The winners of this years awards were as follows: Most Honest - Chris Frauley; Low Gross - Peter Nabi; Low Net - Adam Beales; Jim Moore Memorial - Neil Robertson; Contractor's Award - Dave Eastwood.

SPECIAL MEALS

Any members having vegetarian or other special meal requirements at our chapter meetings should advise the telephone committee caller when canvassed for the meeting. If you do not receive a telephone call please contact Martin Carriere, Telephone committee chairman at 723-1482 and advise him of your needs.

At the restaurant please identify yourself to the food server who will then provide your reserved special meal. Bon appetit!

MEMBERSHIP PROMOTION

For the month of September you have been recruited to serve as a member of our membership promotion committee. During our business day, YOU must be in contact with, either directly, or by telephone, at least one person who is not a member of ASHRAE, but who would be pleased to join if asked, or who could be persuaded to join, if the benefits of ASHRAE membership were known. Since you know what they are, you can provide this information. You can point to your copies of the ASHRAE Journal, Insights, and the four updated issues of the Handbooks in either IP or BI versions. When I joined ASHRAE in 1949, there was only one Handbook, and an applicant required four sponsors. Now there are four handbooks and only one sponsor is required - YOU.

Your applicant does not have to be an engineer, and can be with Public Utilities, Governments, Educational Institutions, Consulting Engineering Firms, Manufacturers, Sales Representatives, Contractors, Building Owners, Air Quality, Environmental Control, Fire and Smoke Control, Energy Management, Research, Maintenance and Operation, Air and Water Balancing, and Commissioning.

We are asking you to invite this person to accompany you to our chapter meeting as your guest. If you are a chapter member, and pay for your guest at this meeting, you can do so at the member rate of \$20 instead of the guest rate of \$23.

If your guest joins ASHRAE, he/she may be lucky in winning a chapter membership for the year 1996-97 in our new member draw which will be held at our January meeting. As a sponsor, your name will also be entered in this draw for a similar prize.




The names of all new members whose applications are received in Atlanta by November 30, 1995 and their sponsors will be automatically entered in this draw.

We welcome the following new ASHRAE members, and hope that they will consider joining the Ottawa Valley chapter this year. Mr. Enoke K. Bainomugisha, Mr. Stephen M. Campbell, Mr. Paul E. LaRochelle, Mr. Frank H. Neitzert, Mr. Jim J. Siciliano (R), Mr. B. Tim. M. Breton, Mr. Kevin D. Goodhue (R), Mr. Nyat Soon Loh (R), Ms. Anna M. Orlawska, Mr. Alan A. Wylie (R). (R) = Reinstatement of someone who was a member previously.

A new development this year is that the \$85 US application fee will cover membership for one full year from date of acceptance, and this date will serve as the renewal date for subsequent years for these new members. Payment may be made in Canadian funds at the current rate of exchange.

Anyone who has submitted an application to ASHRAE Atlanta, can then join the Ottawa Valley Chapter at the standard fee of \$50, and the meal plan for an additional \$95. Our treasurer Pierre Scott will be accepting these memberships at the September meeting.

Dalton McIntyre, Membership Promotion Chair

<p>Michel Harel President/President</p> <p>1010 Polytek, suite 44 Brampton, Ontario</p> <p>tel: (613) 742-5954 fax: (613) 742-5955</p> <p>Authorized representative</p>	 <p>Guy H J Bourbonniere P Eng Sales Engineer</p> <p>TRANE</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 LAPERRIERE 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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CONGRATULATIONS!

Two of our chapter members were recently recognized by ASHRAE at the summer meeting in San Diego.

John Lovatt, received a 1995 ASHRAE Technical Paper Award, (along with Grant Wilson), for their paper entitled "Field Verification of Problems Caused by Stack Effect in Tall Buildings."

Dalton McIntyre, received a Distinguished Service Award. The award salutes the member for giving freely of their time and talent on behalf of the society.

**ASHRAE CONTINUING
EDUCATION**

The Education committee is offering a second series of continuing education classes, this time on

**ENERGY EFFICIENT DESIGN OF
WATER SYSTEMS**

The classes will be held at the Sir Charles Tupper Building on Riverside Drive between 7:00 and 10:00 p.m., on September 21 and 28 and October 5 and 12, 1995.

Following the classes, the Education Committee will organize a half-day technical session on pumps and hydronic systems that will reinforce the presented theory by examples of practical applications. The date will be announced later.

The enrollment fee for the classes is \$50.00. Please register in person at the Chapter meeting on September 19, 1995, or by calling prior to the meeting either Joel Primeau at 714-3464, Phil Mayfield at 787-3871 or Frank Vaculik at 736-2687.

Classes will be held only if more than 10 persons register. Please hurry!

CRC '95 REPORT

The Chapters Regional Conference for all eastern Canadian ASHRAE chapters was held August, 10-13, 1995 in Toronto.

The conference was well attended, including a dozen people from the Ottawa Valley Chapter.

The business sessions assisted the ASHRAE organization to become more accessible, with emphasis on service to all ASHRAE members.

The workshop sessions provided assistance to chapter committees.

The entertainment session on downtown Yonge Street on a warm Friday night was very interesting.

The presentations of the awards session highlighted strong performance by the Ottawa Valley Chapter in 1994-1995

The ASHRAE CRC maintained attendees interest in spite of failed air conditioning and stiff competition from the NFL exhibition game at the skydome.

The next CRC is in September 1996 in London, Ontario.

David Eastwood, 230-1186

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