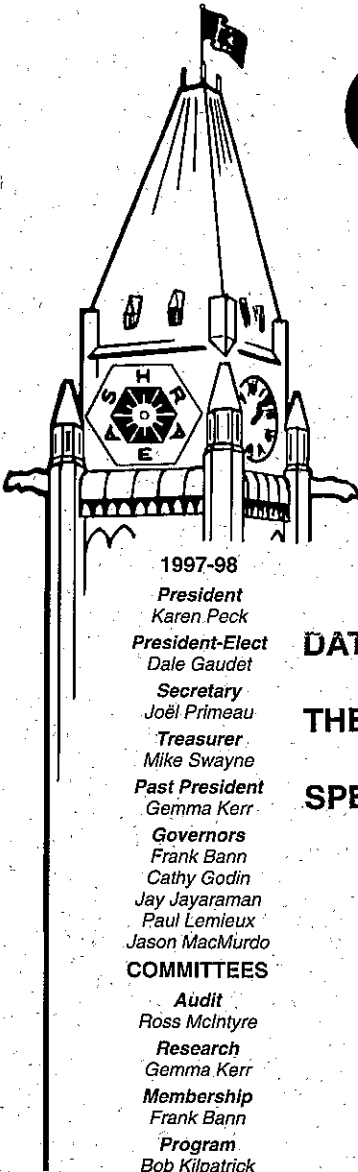
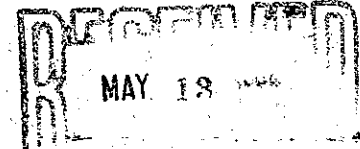


# Capital Communiqué

AMERICAN SOCIETY OF  
HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS

MAY 1998

## PROGRAM



1997-98

*President*  
Karen Peck

*President-Elect*  
Dale Gaudet

*Secretary*  
Joël Primeau

*Treasurer*  
Mike Swayne

*Past President*  
Gemma Kerr

*Governors*  
Frank Bann  
Cathy Godin  
Jay Jayaraman  
Paul Lemieux  
Jason MacMurdo

### COMMITTEES

#### *Audit*

Ross McIntyre

*Research*  
Gemma Kerr

*Membership*  
Frank Bann

*Program*  
Bob Kilpatrick

*Refrigeration*  
Eric Van Benschoten

*Student Activities*  
Glenn Maclean

#### *TEGA*

Jay Jayaraman

*Chapter Historian*  
Paul Baker

*Special Events*  
Chris Healey

*Communiqué*  
Rod Lancefield

#### *Publicity*

Rhonda Legault

*Table Top*  
Randy Cavill

*Telephone*  
Cathy Godin

*Greeters*  
Frank Bann

*Roster*  
Robin Craig

*Home Page*  
Gabriel Laszlo

*Al Oakes Award*  
Gemma Kerr

*Nominations*  
Dalton McIntyre

*CRC Action*  
Dale Gaudet

**DATE:**

May 19, 1998

**THEME**

HISTORY

**SPEAKER:**

GEORGE HIBBERT, CHIEF BRIDGE ENGINEER, PWGSC

Mr. Hibbert joined the Department of Public Works, now known as PWGSC, in 1971 and has worked primarily on bridges and highways for the federal government across the country.

George is currently the Chief Bridge Engineer for the federal government and manages the National Bridge and Highway Section for all federal bridges and highways.

The highlight of his career is his involvement in the recently completed Northumberland Strait Crossing Project, now known as the Confederation Bridge.

**SUBJECT:**

THE CONFEDERATION BRIDGE PROJECT

Undoubtedly one of the most challenging and complex engineering achievements in recent history, a hard link across the Northumberland Strait between Cape Tormentine, New Brunswick and Borden, Prince Edward Island was completed and opened to traffic in June, 1997.

George has been involved with this project since conception, and will present a brief history and video presentation of the design and construction of the bridge.

## BBQ MENU

Three Bean Salad, Coleslaw Salad, Potato Salad,  
Sirloin Steak, BBQ Chicken, Baked Potatoe with Sour Cream  
Rolls and Butter, Cheesecake, 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**



## ENGINEERING LTD

Roderick J. Lancefield, P.Eng.  
Branch Manager

889 Lady Ellen Place, Ottawa, Ontario K1Z 5L3  
Tel: (613) 728-7400 Cell: (613) 851-1997 Fax: (613) 728-8032  
Email: rod@htseng.com Toll Free 1-888-280-8544



**WALMAR** VENTILATION PRODUCTS  
MANUFACTURES, AGENTS & DISTRIBUTORS

RANDY CAVILL, C.E.T.  
Vice-President

TEL: (613) 225-9774 FAX: (613) 225-2972  
-24 GURDWARA ROAD, NEPEAN, ONTARIO K2E 8B5



**MODERN MECHANICAL INC.**  
MECHANICAL CONTRACTORS & ENGINEERS



John R. McAninch, P.Eng.  
PRESIDENT

85 Denzil Doyle Court, Kanata, Ontario K2M 2G8  
Tel.: (613) 591-7505 Fax: (13) 591-1523  
e-mail: modernmech@igs.net

## PRESIDENT'S MESSAGE

It is hard to believe that my year as your President is coming to a close. The fact that the year has gone by so fast is a strong indication of just how fun and rewarding this role has been for me. I thank everyone for the tremendous amount of dedication that they gave to the Ottawa Chapter and the Kingston Section. It has made my term extremely enjoyable.

The turn out from the Kingston Section to accept their Section Banner last month was tremendous. They even hired a bus for the event. (This also allowed them a few cocktails on the way back home!) The meeting ended with a challenge to the Ottawa Chapter to equal or better the

number of Ottawa members that participate in the next Kingston Section meeting this May. The challenge was made by J.P. Tardif, the Section President, and the magic number to beat is 15. They have an excellent meeting planned at the Old Fort Henry.

This month, I hope to see you both in Ottawa and Kingston!

Your President,  
Karen Peck, P.Eng.

Phone: 733-9781

Fax: 737-4985

Email: karen.peck@ca.landisstaefa.com

## TECHNICAL SEMINAR ON AIR CLEANING

On May 19, 1998, the Chapter will present a seminar on air cleaning at the Hellenic Banquet and Conference Centre, 1315 Prince of Wales Drive. The objectives of the seminar are to review the issues related to air cleaning, to bring you up to date with the latest development in ASHRAE, and to seek feedback for the ASHRAE Researcher from the grass roots membership.

The Seminar will start at 3:00 p.m. Four presentations will be followed by a break with the opportunity to view a Table Top Display by local filter suppliers. The last item will be a forum where you input to the Society's R & D program related to air cleaning will be sought and greatly appreciated.

### Speakers:

Antoine Chase: Dry Media Mechanical Filters, How and Why They Work  
Brian Monk: Gaseous Air Cleaning  
Frank Vaculik: ASHRAE Standards 52.1 and 52.2  
Dr. Gemma Kerr: What is New on ASHRAE TC 2.3 Gaseous Contaminants  
Removal Equipment and TC2.4 Particulate Air Contaminants/ Removal Equipment

### Forum Moderator:

Bob Kilpatrick: Message to ASHRAE: What air cleaning related information ASHRAE members need from ASHRAE Society and, specifically, from the above two Technical Committees.

The cost is \$40.00. You can pay at the door by cash or cheque. We hope to see you there to learn about the latest development, to provide your input and to support the Student Activities Committee, which will benefit from the proceeds.



**METHOT**  
HEATING • REGULATION

Michael McNamara, P.Eng. ☎ 1-800-METHOT-2  
President ext. 27 Fax: 1-800-433-3398

### EASTERN CANADA

ONTARIO	QUÉBEC	MARITIMES/THORNES
1561, Courtney	1090, Michèle-Bohec Blvd	P.O. Box 967
Mississauga	Suite 101, Blainville	331, Chesley Drive, Saint-John
Ontario L5T 1V9	Québec J7C 5E2	New Brunswick, E2L 4B4



a Division of the Waterloo Group of Companies

Sylvain Chenier, B.Eng.  
Technical Sales Engineer

24 Gurdwara Road Tel: (613) 225-6511  
Nepean, Ont. K2E 8B5 Fax: (613) 225-9686

**InAIR Environmental Ltd.**  
Indoor Air Investigations and Research

Gemma Kerr, Ph.D.

Lan Chi Nguyen Thi, P.Eng.

183 Stanley Avenue, Ottawa ON K1M 1P2  
Phone: (613) 745-3493 Fax: (613) 745-3154  
E-mail: inair@cyberus.ca



**Goodkey, Weekmark  
& Associates (1985)  
Limited**  
Consulting Engineers

**George F. Carscallen, P.Eng.**  
President

1749 Woodward Drive, Ottawa, Ontario K2C 0P9 Canada  
Telephone: 613-727-5111 Fax: 613-727-5115  
Email: gcarscallen@goodkeyweedmark.com



**Ed Cassidy, CET**  
Principal

**Total HVAC Inc.**  
29 Cleopatra Drive  
Nepean, Ontario  
Canada, K2G 0B6

Tel: (613) 723-4611  
Fax: (613) 723-4677  
Res: (613) 825-5559

**PATRICK DURKIN  
AND  
ASSOCIATES LTD.**

DISTRIBUTORS OF HEATING, AIR CONDITIONING & VENTILATION

**Patrick (Pat) Durkin**

857 BOYD AVENUE FAX: (613) 728-4377  
OTTAWA, ONTARIO K2A 2C9 TEL: (613) 728-5586

### THIS MONTH'S PROGRAM

With what has become somewhat of a tradition in recent years, we are ending the ASHRAE season with a program not directly related to our fields of HVAC and R. Nonetheless, it is a presentation on one of the most impressive engineering accomplishments of all time, and will be of general interest to the membership.

You will find George Hibbert of PWGSC, who will be making somewhat of an informal presentation on the Confederation Bridge Project, a wealth of information, and will be glad to answer any questions.

### MEMBERSHIP PROMOTION

Membership promotion has been successful this year because of the hard work of the committee members and the dedicated members of the chapter who promote membership every day. It is important to pass on the benefits ASHRAE has to offer and what one can gain and give to the society. It's a win-win situation for all when you get involved. I wish to thank the committee members who took part in this year's membership promotion campaign; Robin Craig, Bob Moskal, Daulton McIntyre, Stewart Woermke, Ray Young, Chris Frauley, Adam Beales, and Robert Lefebvre. Please contact me if you require any ASHRAE literature and applications over the summer.

Frank Bann, tel. 727-5111 or  
fbann@goodkeyweedmark.com

### SPECIAL MEALS

Please let telephone committee caller know if you have any special meal requirements.

### ADDRESS CHANGES

If you have any address changes, please notify Atlanta as soon as possible. The new toll-free number for ASHRAE Society is 1-800-5-ASHRAE (1-800-527-4723). You can use it for a variety of services including general information, same-day address changes and credit card payment of membership dues, meeting registration or bookstore purchases.

### KEEP IN TOUCH VIRTUALLY ALL SUMMER

Although this is the last issue of the Capital Communicate until next September, you can still keep in touch with the Ottawa Valley Chapter. The Board of Governors will continue to publish news updates on our website at <http://www.cyberus.ca/~ashrae> all summer long. If, on the other hand, you want to share any news with us, e-mail them to [ashrae@cyberus.ca](mailto:ashrae@cyberus.ca). Have a good summer and keep on surfing.

### TABLE TOP DISPLAY

This month Table Top will feature products from three manufacturers: Walmar will be representing AAF Filters; Total-HVAC will be representing Circul-Aire and Engineering Dynamics will display their electronic filters.

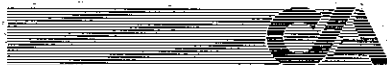
Please contact Randy Cavill at tel. 225-9774 for information on displaying your products at future meetings.

**Guy H.J. Bourbonniere P.Eng.**  
District Manager



**TRANE™**

Trane  
1745 Courtwood Crescent  
Ottawa, ON K2C 3J2  
Tel: (613) 226-1810  
Fax: (613) 226-5852  
[ghjbourbonniere@trane.com](mailto:ghjbourbonniere@trane.com)



**CAPITAL AIR CONDITIONING LTD.**

**KEN BOYD**  
Vice President

9 ANTARES DRIVE  
NEPEAN, ONT.; K2E 7V5  
e-mail: [mail@capital-air.ca](mailto:mail@capital-air.ca)  
[www.capital-air.ca](http://www.capital-air.ca)

TEL: 225-0140  
FAX: 225-6904

**Neil Armstrong**  
Ottawa/Hull Manager



**YORK INTERNATIONAL LTD.**

1120 Morrison Drive  
Ottawa, Ontario K2H 8M7  
Telephone (613) 596-9111  
Fax (613) 828-6391





TEL: (613) 228-0190

FAX: (613) 228-0208

**MECHANICAL TRADE SALES**

**TIM WHALEN**

34 Grenfell Cres., Nepean, Ontario K2G 0G2

**Jack Teevens**  
General Manager



**LANDIS & STAEFA**

Telephone 613.733-9781  
Fax 613.737-4985

Landis & Staefa, Ltd.  
2435 Holly Lane  
Ottawa, Ontario K1V 7P2

jack.teevens@ca.landisstaefa.com



Toronto Ottawa Calgary

Smith and Andersen 200 First Avenue Tel 613/230.1186  
Consulting Engineering Ottawa, Ontario K1S 2G6 Fax 613/230.2598

**David Eastwood** P.Eng.  
Principal

smilhander@cyberus.ca



AIR CONDITIONING VENTILATION AIR CLIMATE



1500 STAR TOP ROAD  
GLOUCESTER, ONTARIO K1B 3W6

DANNY DILLON  
VICE-PRESIDENT

TEL: 741-7731  
745-3613  
FAX: 741-9962



**Breck-Mar Sales & Service Ltd.**  
Heating, Ventilation, Air Conditioning, VSD's & Humidification

**Douglas P. Breckenridge, P.Eng.**

877 Boyd Avenue, Ottawa ON K2A 2E2  
Tel. (613) 728-0060 • Fax: (613) 725-2637



**Kenneth J. Hazell, P.Eng.**  
President

**CLEMMAN  
LARGE  
PATTERSON**  
CONSULTING ENGINEERS

1150 Morrison Drive, Suite 400, Ottawa, Ontario K2H 8S9  
Tel.: (613) 828-2000 Fax: (613) 828-1011

**TECHNICAL SEMINAR ON AIR CLEANING**

Please mark your calendar. On May 19, 1998, the Chapter will present a seminar on air cleaning. The objectives of the seminar are to review the issues related to air cleaning, to bring you up to date, and to seek feedback for the ASHRAE Researcher from the grass roots membership.

The Seminar will start at 3:00 p.m. Four presentations will be followed by a break with the opportunity to view a Table Top Display by local filter suppliers. The last item will be a forum where you input to the Society's R&D program related to air cleaning will be sought and greatly appreciated. See page 2 for further details.

**CRC '98 - MONCTON, NEW BRUNSWICK**

Join in grass roots activity which has a real impact on ASHRAE Society plus traditional east coast hospitality. CRC will be held from September 10 to 12. Contact Dale Gaudet for additional information.

**GBIC, ASHRAE AND RAIC GREEN BUILDING SEMINAR**

**1300 - 1700, Tuesday, May 26**

Auditorium, Building M-50, National Research Council, Montreal Road, Ottawa  
\$50 including GST; \$40 including GST if member of GBIC, ASHRAE or RAIC

Chair: Chris Frauley, ASHRAE

ASHRAE, the Royal Architectural Institute of Canada and the Green Building Information Council are pleased to announce a seminar on energy and environmental issues related to buildings. The seminar will include discussion of the Green Building Challenge '98 (GBC '98), an international project to develop new performance assessment tools that has the backing of ASHRAE, the RAIC and GBIC. You will also hear about new energy simulation tools being developed by Natural Resources Canada and others. Finally, you will have a chance to hear about something that will directly affect your bottom line - the new Commercial Buildings Incentive Program (CBIP) and the companion Renewable Energy Demonstration Initiative (REDI), both sponsored by NRCan. Both of these programs are set to go by April 1, and they form the major components of a new initiative that will provide \$20 million per year over three years.

**ASHRAE - KINGSTON SECTION**

The 15 Kingston Members who attended the April Ottawa Valley Chapter meeting send a warm thanks to the Ottawa Chapter Members.

Our next Kingston Section Meeting will be held at Old Fort Henry. Dinner, which promises to be a unique experience, will be preceded by a 30 minute tour of the Fort and will be followed by a presentation on the history of ASHRAE.

J.P. Tardiff has issued a challenge to Ottawa Members to organize a group to attend the meeting. Are you up to it? Please let Adam Beales (723-4611) know by May 15, 1998 if you plan to attend.

Next Meeting: May 26, 1998  
Location: Old Fort Henry, Kingston, Ontario  
Time: 5:30 - 6:00 p.m. - Cocktails  
6:00 - 6:30 p.m. - Old Fort Henry Tour  
6:30 - Dinner (Attire: Late 19th Century!)  
8:15 - History of ASHRAE  
Cost: \$35.00 per person (includes tour, supper & entertainment)  
(Transportation not included. Further information will be available at the May 19 Ottawa Chapter Meeting.)



ASHRAE, Ottawa Valley Chapter Board of Governors  
can be reached at P.O. Box 21088, 151A Second Avenue, Ottawa, Ontario K1S 5N1

Publication deadline is the first Tuesday of each month

The Editor - Rod Lancefield • E-mail: rodl@htseng.com • Fax: 728-8032 • Phone: 728-7400

