



Airways

Hamilton Chapter No. 037

<http://www.vaxxine.com/ashrae/>

American Society of Heating, Refrigeration and Air Conditioning Engineers

Volume 49, No. 2

Our 49th Year

October 2007

President

David Hills, A.Sc.T.
Phone (905) 687-9778 x22
dhills@tmpniagara.com

Treasurer & Research Chair

William McCartney
Phone (905) 822-2430
w.mccartney
@isothermengineering.com

Secretary

Brian White, B.A.Sc.
Phone (905) 572-1111
hamilton@engineeredair.com

**Membership Chair &
Student Activities Chair**

Adam Werthmiller, C.E.T.
Phone (905) 687-9778 x25
awerthmiller
@tmpniagara.com

Historian

George Menzies, P.Eng.
Phone (905) 388-1313
gmenzies@allstream.net

Social Chair

David Rasmussen, C.E.T.
Phone (905) 575-5542
drasmussen
@delhi-industries.com

C.T.T.C. / T.E.G.A. Chair

Mike Krewski
Phone (519) 885-7460
mkrewski@uniongas.com

Programs

Terry Fowler, P.Eng.
Phone (905) 520-8823
terry.j.fowler@jci.com

Programs Co-Chair

John Loncar, P.Eng., MBA
Phone (519) 885-7450
jloncar@uniongas.com

Webmaster & Airways Editor

Allan Antcliffe, P.Eng.
Phone (519) 756-5760
allan@madok.com

DRC

Wilfred Laman, P.Eng.
Phone (905) 304-1788
wflaman@vaxxine.com

Tuesday, October 9, 2007

Kitchen Demand Ventilation & Controls

Intelli-Hood Ventilation Control is a new industry standard for commercial kitchen ventilation systems. The savings and benefits include improved energy efficiency, kitchen comfort, fire safety and occupant health.

The product is endorsed by the federal government through the National Research Council, by Union Gas and by Enbridge Gas.

Feature Speakers

***George McGrath & Kristine Fraser
Melink Canada***

Melink Canada is the corporate representative for a commercial kitchen ventilation control system. The company was formed in order to further develop demand ventilation energy savings. Melink Canada has been a leader in demand ventilation for Intelli-Hood® kitchens across Canada.

George McGrath is the President of Melink Canada. He has 33 years of experience in the HVAC industry and is a certified refrigeration instructor. He was the president of a mechanical contracting company for 18 years before founding Melink.

Kristine Fraser, Director of Administration & Project Management, has 5 years of project management experience and has been with Melink since its founding.

Royal Hamilton Yacht Club

North End of McNab, On Hamilton Harbour

5:00 pm – Social Hour (& Technical Session, if applicable)

6:00 pm – Dinner & Business Meeting

7:00 pm – Feature Speaker

Technical Session/Dinner/Feature Speaker

Chapter Members - \$40.00 • Guests - \$45.00 • Students - \$15.00 • Meal Plan - \$140.00

Technical Session and/or Feature Speaker (without Dinner)

\$15.00

President's Report

Our first meeting of the year featured guest speaker Victoria Serda from the Green Party of Ontario. Victoria is currently the Deputy Leader of the Green Party as well as a Municipal Councilor in Port Elgin, Ontario. She gave a very interesting presentation on Global Warming, expanding on some of the issues which ex-U.S. vice-president Al Gore touched on in his DVD on Global Warming – "The Inconvenient Truth". Victoria highlighted the need for more awareness and to be cautious of the energy we use and how we use it. It not only affects the limited natural resources we have to use but also affects our environment and impacts such issues as global warming and other sensitive side-effects such as smog and poor air quality.

It's also time to start thinking about projects you may have been working on in the past year could qualify towards a C.T.T.C. award. Contact any member of the Chapter Executive to see how your project may qualify.

The Chapter Executive would like to remind everyone to please RSVP to Wilf Laman at wflaman@vaxxine.com to confirm your attendance at the monthly meetings. If you feel that you know someone in the HVAC&R industry who may benefit from the meetings, please feel free to invite them or pass their name along to me via phone e-mail and I will personally contact them and invite them to a meeting. The preliminary schedule for the upcoming year's meetings includes a visit from a Distinguished Lecturer and/or a "refrigeration" oriented tour at a local facility (yet to be determined). Suggestions from the membership is always welcome.

There are still plenty of opportunities for Table Top Presentations at the monthly Chapter meetings. If you feel that your business would benefit by hosting a 30 minute time-slot which compliments the main presentation topic of the evening, please feel free to contact either myself or a member of the Chapter Executive to discuss the possibilities. Please refer to the Monthly Meeting Schedule in the back of this Airways.

Our next monthly chapter meeting is Tuesday, October 9th at 5:00pm. See you there.

Warmest Regards,

David Hills, A.Sc.T., President 06/07

Technical Session

Prior to dinner, **Mike Krewski** and **John Loncar, P.Eng.**, from Union Gas, will make a short presentation on **utility programs**.

Upcoming Chapter Meetings

Tuesday, Nov. 13/07

Theme: Research Promotion

Feature Speaker - Didier Thevenard, from Numerical Logics, will discuss their ASHRAE Research Project entitled "**Updating the ASHRAE Climatic Data for Design & Standards**".

Tuesday, Dec. 4/07 (not the 2nd Tuesday)

Theme: History/Past Presidents

Feature Speaker - George Roter, P.Eng. – co-founder and co-CEO of Engineers Without Borders (EWB) will make a presentation on the activities of EWB.

Note that this is the Chapter's annual family Christmas Event – spouses/family are also invited so mark your calendar now.

Upcoming Events of Interest

PM Expo

November 28 – 30, 2007
Metro Toronto Convention Centre
Toronto, ON
www.pmexpo.com

ASHRAE Winter Meeting (including AHR Expo)

January 19 – 23, 2008
New York, NY
www.ashrae.org
(Click on Meetings & Events)
or www.ahrexpo.com

CMX/CIPHEX 2008

March 27 – 29, 2008
Metro Toronto Convention Centre
Toronto, ON
www.cmxshow.com

A Call for Award Submissions

ASHRAE invites its members to submit innovative projects for recognition by their peers. There are various awards available, with opportunities for recognition at the Chapter, Region and Society levels.

Milton W Garland Commemorative Refrigeration Award

This award recognizes a non-comfort cooling refrigeration application that highlights innovation and/or new technologies.

Refrigerant Comfort Cooling Award

The Refrigerant Comfort Cooling Award for Project Excellence recognizes a comfort cooling refrigeration application that highlights innovation and/or new technologies.

ASHRAE Technology Awards

The purpose of these awards is to highlight innovative designs and communicate them to the ASHRAE community. There are several categories available for project submission, including:

1. Commercial Buildings (New & Existing)
2. Institutional Buildings (New & Existing)
3. Health Care Facilities (New & Existing)
4. Industrial Facilities or Processes (New & Existing)
5. Public Assembly
6. Residential
7. Alternative and/or Renewable Energy Use

If you have worked on or know of a project that has shown exemplary innovation in design, take advantage of these awards and submit an application for review. The deadline for submission of applications at the Chapter level will be **March 1, 2008**. Please use the short form application available online at www.ashrae.org. If you would like some assistance with your submission or require further clarification on eligibility, please contact any of the Chapter Executive.

A panel of judges from the Hamilton Chapter will review the award submissions. We are looking forward to seeing your submissions and hope to have some projects to forward on to receive recognition at the Regional and Society levels.

Submitted by Mike Krewski, C.T.T.C./T.E.G.A. Chair 07/08, Terry Fowler, P.Eng., Programs 07/08 and John Loncar, P.Eng., Programs Co-Chair 07/08

ASHRAE News Releases

ASHRAE Awards First Certification for Healthcare Facility Design

ATLANTA – The recipient of ASHRAE's first healthcare facility design professional certification says the designation increases his value as an engineer.

GreenBits Blog Provides Insight into Building Industry Trends and ASHRAE

ATLANTA – Kent Peterson juggles many roles these days: president of ASHRAE, husband and father, business owner and engineer. Now he is adding one more item to that tidy list—blogger.

ASHRAE Notes HVAC&R Industry's Role in Montreal Protocol Successes

ATLANTA – As this week marks the 20th anniversary of the creation of the Montreal Protocol, ASHRAE celebrates the efforts of the heating, ventilating, air conditioning and refrigeration (HVAC&R) industries that have played a role in reducing ozone depletion.

Energy-Saving Measures Proposed for ASHRAE/IESNA Standard 90.1

ATLANTA – Energy-saving measures related to variable air volume and cooling towers are being proposed for Standard 90.1.

ANSI/ASHRAE/IESNA Standard 90.1, Energy Standard for Buildings Except Low-Rise Residential Buildings, provides minimum requirements for the energy-efficient design of buildings except low-rise buildings. Fourteen proposed addenda to the standard currently are open for public comment.

Click here for complete news releases.

This space could be yours!

**Business Card Ad
\$75.00 for One Year**

If you are interested, contact Allan Antcliffe
allan@madok.com

Table Top Displays

Want a great venue to introduce new and improved products and services?

Consider a table top display at a monthly ASHRAE Hamilton Chapter meeting.

For a fee of only \$75, we will provide you with a standard table display area for your exhibit prior to and after dinner and the feature speaker. As an added bonus, you can have up to 5 minutes to present your product and/or services to the attendees.

The meeting schedule at the back of Airways shows the proposed topics for the year.

To arrange a display, please book ahead with:
Terry Fowler – 905-520-8823
terry.j.fowler@jci.com
or
John Loncar – 519-885-7450
jloncar@uniongas.com



Phone (905) 631-5815 / Fax (905) 637-8655
www.aquatech.ws



Your Source for High Quality Engineered
Products



WEIL-McLAIN
CANADA SALES INC.



Click on ad to go to web site.



**BUILDING AUTOMATION
& CONTROLS**

Ian Simpson, C.E.T.
Tel.: 905-385-3092 ext. 22
 Fax: 905-385-3093
 83 Bigwin Road, Unit 11
 Hamilton, ON L8W 3R3
 www.cullodenautomation.com
 ian.simpson@cullodenautomation.com

Click on ad to go to web site.



Wm. J. McCartney

ISOTHERM ENGINEERING LTD.
 Founded in 1975
 2133 Royal Windsor Drive, Unit # 37
 Mississauga, Ontario L5J 1K5
 Phone: 905-822-2430 • Fax: 905-822-5182 • Toll Free: 1-800-394-2954
 Email: w.mccartney@isothermengineering.com

Click on ad to go to web site.



Frank E. Olds
 Systems Branch Manager,
 SW Ontario
 Johnson Controls L.P.
 Controls Group
 3070 Mainway Drive, Unit 10 & 11
 Mainway Business Centre
 Burlington, Ontario L7M 3X1
 Direct: (905) 335-3551 Ext. 231
 Tel: 1-800-263-6226
 Fax: (905) 335-9960
 frank.e.olds@jci.com

Member Club d'Excellence

Click on ad to go to web site.




Terry J. Fowler, P.Eng.
 Account Representative
 Johnson Controls L.P.
 Controls Group
 3070 Mainway Drive, Unit 10 & 11
 Burlington, Ontario L7M 3X1
 Tel: (905) 335-3325
 Direct: (905) 335-3551 Ext. 241
 1-800-263-6226
 Fax: (905) 335-9960
 Cell: (905) 730-9674
 terry.j.fowler@jci.com


Member Club d'Excellence

Click on ad to go to web site.

J. Allan Antcliffe P. Eng
 President



50 Morrell Street,
 Brantford, ON N3T 4J5
 (519) 756-5760
 (519) 756-5768 FAX
 allan@madok.com
 www.madok.com



Heating/Cooling Coils & Corrosion Protection

Click on ad to go to web site.



Jack Fitzmaurice, P. Eng.
 jack@odellassoc.com

Tel (905) 681-3901
 Fax (905) 681-0688
 Cell (905) 546-6600

1038 Cooke Blvd., Unit #3
 Burlington, ON L7T 4A8
 www.odellassoc.com

Click on ad to go to web site.



**Consulting
Engineers**

The Mitchell Partnership Inc.

26 Hiscott St., Suite 104
 St. Catharines, Ontario
 Canada L2R 1C6
 Tel (905) 687-9778 x22
 Fax (905) 687-8147
 Cell (289) 213-1642

David Hills, A.Sc.T.
 Senior Designer
 E-mail: dhills@tmpniagara.com
 www.tmpniagara.com

Click on ad to go to web site.



uniongas

John Loncar P.Eng, MBA, CEM
 Account Manager
 Commercial/Industrial Markets

Union Gas Limited
 P.O. Box 340
 603 Kumpf Drive
 Waterloo, ON
 N2J 4A4

office 519 885 7450
 fax 519 885 7540
 cell 519 635 6199
 toll free 888 436 7204 ext 450
 jloncar@uniongas.com

A Spectra Energy Company

Click on ad to go to web site.

2007 – 2008 Meeting Schedule

This year's meeting schedule is summarized below. Except for some special events, all meetings will be held at the Royal Hamilton Yacht Club, at the north end of McNab St., on the Hamilton Harbour (If you need a map, visit our web site). New products and/or services may be presented informally via a "technical session" or a "table top demonstration" prior to dinner. After dinner, the main topic of the evening is presented by the "feature speaker". If you are interested in presenting a technical session, booking table top space to promote your product and/or service or, if you have a suggestion for a feature subject and/or speaker, please contact Terry Fowler (Programs Chair). There is a charge of \$75.00 for "table top demonstration" space and this includes a business card ad for two months.

ASHRAE Hamilton Chapter Program Activity			
Date	Theme	Technical Session/ Table Top Demonstration	Feature Speaker
October 9, 2007	Students	Mike Krewski & John Loncar <u>Union Gas</u> Utility Programs	George McGrath & Kristine Fraser <u>Melink Canada</u> Kitchen Demand Ventilation & Controls
November 13, 2007	Research Promotion	open	Didier Thevanard <u>Numerical Logics Inc.</u> ASHRAE Research Project 1453-RP "Updating the ASHRAE Climatic Data for Design & Standards"
December 4, 2007 (not 2nd Tuesday)	History/ Past Presidents	Christmas Event — Dinner & Speaker <u>Engineers Without Borders</u> George Roter, P. Eng. – Co-Founder & Co-CEO	
January 8, 2008	T.E.G.A.	open	To be Determined Recommissioning
February 12, 2008	Membership	open	Shehwar Haque <u>ECOS Aire (Division of Dectron)</u> Computer Room Glycol Cooling
March 11, 2008	Students/ Y.E.A.	open	Dr. James Scott & Don Panzer <u>University of Toronto / Building Survey Consultants</u> Indoor Air Contaminants, Mold & Asbestos
April 18, 2008 (not 2nd Tuesday)	T.E.G.A./ IAQ	ASHRAE Satellite Broadcast Indoor Environmental Design: Practical Solutions to Everyday Problems	
May 13, 2008	Refrigeration	open	Hugh Crowther <u>McQuay International</u> Variable Cooling / Refrigerant Flow
June 4, 2008 (not 2nd Tuesday)	Social/ Research	Legends on the Niagara — <u>Battlefield Course</u> Annual Golf Tournament	

Webmaster & Airways Editor:

Allan Antcliffe, P. Eng.
Madok Manufacturing Limited
50 Morrell Street, Brantford, ON N3T 4J5
Phone: (519) 756-5760
Fax: (519) 756-5768
E-mail: allan@madok.com

Hamilton Chapter Mailing Address:

ASHRAE Hamilton Chapter
59 Abbey Close
Ancaster, ON L9G 4K8

ASHRAE Hamilton Chapter

<http://www.vaxxine.com/ashrae/>