



Airways

Hamilton Chapter No. 037

American Society of Heating, Refrigeration and Air Conditioning Engineers

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Our 43rd Year

December 2001

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Saturday, December 1, 2001

PAST PRESIDENT'S AND FAMILY DAY

It's Christmas again, and this year we are planning a special family event to be held at Niagara Under Glass in Vineland, Ontario.

Niagara Under Glass is a large, state-of-the-art commercial greenhouse operation which was specially designed to be visitor friendly. Visitors can view the entire growing process from an elevated walkway which courses its way throughout the actual working greenhouse operation. Our event will take place in the attached Visitor Center, which contains demonstrations instructional areas and catered meeting spaces. For more information on this unique business, visit their web site at <http://www.niagaraunderglass.com/>.

Be sure to fax back the attached form as soon as possible to reserve your place. We hope you can join us for some good times and Christmas cheer.




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THIS SPACE COULD BE YOURS!

**Business Card Ad
\$75 For One Year**

If you are interested, please contact Brian Beninger. Email brian@beninger.ca

ASHRAE Hamilton Chapter presents

Christmas Family Event

at

Niagara Under Glass, Vineland, Ontario

(Website: <http://www.niagaraunderglass.com/>)

Saturday, December 1, 2001

1:00 – 5:00 P.M.

Discover and explore this all new state of the art growing and learning centre. Part production greenhouse and part interactive horticultural Discovery Centre, this is a unique experience for people of all ages.

Flowers and technology meet at this all new innovative 15,000 sq. ft. "farm of the future". Stroll by the spectacular water features and lush plantscapes that not only look great, but also purify both air and water in this sustainable ecosystem.

Both young and old can enjoy a potting experience where you can pot your own plant and learn insightful planting and growing tips from the pro's.

Experience a unique hydroponics display featuring tomatoes, green peppers, cucumbers and herbs along with numerous interactive displays.

Finally, we will tour the 225,000 sq. ft. high tech greenhouse where Poinsettias, Calla Lilies, miniature roses and Chrysanthemums are produced.

Prices

Adults: \$30.00/person - includes meal with wine, and one of either tech tour or potting experience.

Children 3 – 11: \$16.00/person - includes meal with soft drink, and either tech tour or potting experience.

Children 2 and under: free

If individuals would like to participate in both tour and potting experience an addition charge of \$7.50 is applicable.
(Adults: \$35.00, Children: \$20.00)

Please RSVP to John Pollock by Nov. 23/01 at 905-304-1788 or by fax at 905-648-9220

Name _____

Contact Number _____

Number of Adults _____

Number of Children _____

HOW TO GET THERE ...

Niagara Under Glass is located between Beamsville and Vineland, north of the QEW near Lake Ontario.

If traveling from Hamilton, exit Ontario St. Beamsville. Travel east on the North Service Road and look for the big sign.

If traveling from St. Catharines, exit Regional Rd. 24 (Victoria Ave.) Vineland. Travel west on the North Service Road and look for the big sign.

Upcoming Events of Interest

CMCEF Project Management 2001 November 15 – 19, and December 13 – 17, 2001

A 70 hour, 10 day course offered by the Canadian mechanical Contracting Education Foundation (CMCEF) and the University of Waterloo, sessions include estimating, communications, administration and scheduling. Contact CMCEF at Phone (613) 232-5169, Fax (613) 235-2793 or visit www.cmcef.org for info.

The Heating, Refrigeration and Air Conditioning Institute of Canada (HRAI) Ontario Fall Course Schedule has been announced.

Residential Air System Design
December 6 - 8 in Markham

Residential Commissioning
November 23 - 24, 2001 in London

Residential Mechanical Ventilation Installation
November 27 - 29, 2001 in Markham
December 10 - 12 in Owen Sound

Small Commercial Heat Gain and Heat Loss
November 28 - 30 in Toronto

Residential Mechanical Ventilation Design
December 4 - 6, 2001 in Toronto

Small Commercial Air System Design
December 13 - 15, 2001 in Toronto

For information on the courses or to registration for the courses call Phone (905) 602-4700 or (800) 267-2231.

ASHRAE London Chapter HVAC Design and Its Relationship to Fire Litigation (Mr. William Black - ASHRAE Distinguished Lecturer) Monday Nov 26, 2001

A summary page PDF file may be viewed and printed from the web site:
<http://www.execulink.com/~tpollard/ashrae/Nov26meeting.PDF>

Contact: Tom Pollard, P.Eng, Vice President and Program Chair, ASHRAE London Canada (Chapter #116)
tpollard@execulink.com

Construct Canada November 28 – 30

Metro Toronto Convention Centre
Contact Paulette Moser at Phone (800) 660-7083 or (416) 512-1215, fax at (416) 512-1993 or visit
www.constructcanada.com

**AHR Expo (ASHRAE and ARI)
January 14 – 16, 2002**

Held this winter in Atlantic City, New Jersey. Contact the International Exposition Co. at Phone (203) 221-9232. Contact ASHRAE Meetings Section by Phone (404) 636-8400 or e-mail at jyoung@ashrae.org

**Pre-start Health & Safety Review Course
Sponsored by OPSE**

OSPE is sponsoring a one-day course on Pre-start Health & Safety Reviews, offered by Risk Wise Inc. and Cochrane Engineering

A Pre-start Health & Safety Review or "PSR" (previously known as a Pre-development Review), must be conducted by a professional engineer when manufacturing equipment is newly installed or modified, under specific conditions. These conditions have recently changed and are spelled out in some detail in an amendment to Regulation 528 (page 15) under the Occupational Health & Safety Act.

The course will be offered at several locations in Ontario from November 2001 to May 2002. The cost is \$475 (\$50 discount for OSPE full members). Dates are as follows:

Nov. 21 '01 - Toronto (Valhalla Inn)
March 6 '02 - Hamilton
April 2 '02 - Thunder Bay
April 4 '02 - North Bay
May 14 '02 - Kingston
May 15 '02 - Cambridge

For more information, please click on the course brochure link below or call Susanne Kennedy at Cochrane Engineering (905) 632-6500.

Course brochure: (http://www.ospe.on.ca/pdf/safety_seminars5.pdf)

**CMX2002
March 21 – 23,2002**

Heating, Refrigeration and Air Conditioning Institute of Canada and Canadian Mechanicals Exposition at the Metro Toronto Convention Centre (North Building). For information call (416) 444-5225 or e-mail showoffice@salshow.com

**RSES 2002 Conference
April 17 – 21, 2002**

The Refrigeration Service Engineers Society (RSES) of Canada is holding its 63rd annual educational conference at the Delta Winnipeg Hotel in Winnipeg Manitoba. For more information contact Garry MacKenzie at Phone (204) 256-4589 or visit www.rses.ca

**CIPHEX West
April 18 – 19, 2002**

The Canadian Institute of Plumbing and Heating (CIPH) is presenting CIPHEX West at the Roundup Centre in Stampede Park in Calgary Alberta. For information contact CIPH at Phone (416) 695-0447 or fax (416) 695-0450, or e-mail at mccullough@ciph.com or www.ciphex2002.com

**MEET 2002
May 8 – 9, 2002**

The Canadian Institute of Plumbing and Heating (CIPH) Atlantic Region, the Illuminating Engineers Society (IESNA) and the New Brunswick Chapter of ASHRAE are sponsoring a trade exposition at the Coliseum-Agrena in Moncton, New Brunswick targeting the mechanical trades industry. For information Phone (888) 454-7469 or (506) 658-0018.

2001 - 2002 Meeting Schedule

This year's meeting schedule is summarised below. Except for some special events, all meetings will be held at the **Royal Hamilton Yacht Club, North end of McNab St. on Hamilton Harbour - If you need a map, check out our web site at <http://www.vaxxine.com/ashrae/>**. During the 5:00 PM to 6:00 PM Social Hour, a half hour "technical session" on the basics of a particular subject relating to our industry is presented. If a session sounds interesting to you, feel free to attend. Presentations are made by our members and this forum is open to all who wish to share his or her expertise. New products and/or services are presented informally via a "table top demonstration". After dinner, the main topic of the evening is presented by a "feature speaker". If you are interested in presenting a technical session, please contact Dave Stacey. If you want to book the table top space to promote your product or service, or if you have a suggestion for a feature subject and/or speaker, contact John Pollock, George Robb, or any other member of the executive. There is a charge of \$ 75.00 for "Table Top" demonstration space, and this includes a business card ad for two months.

2001 – 2002 ASHRAE HAMILTON CHAPTER PROGRAM ACTIVITY

Month/Date	Theme	Tech Session 5:00 – 6:00 p.m.	Table Top Presentation	Guest Speaker/Main Topic
December 1, 2001	History	Christmas Event – Niagara Under Glass – Vineland, Ontario		
January 8, 2002	Student	Air flow Measurement Devices		Air System Balancing (<i>Dave Lipsit, Air Audit</i>)
February 12, 2002	Membership		York	Underfloor Air Distribution Systems (<i>York Air Conditioning</i>)
March 12, 2002	TEGA	Heat Pump Operation	CSSI	A new Concept for Hotel HVAC (<i>Bob Rutherford, CSSI</i>)
April 9, 2002	Research	Motor Selection for Explosive Environments		Tobacco Kiln Retrofit Measures (<i>DeCloute Mfg.</i>)
May 2002	Refrigeration	Tour of Toyota Motor Manufacturing – Cambridge, Ontario		
June 2002	Membership/ Research	Annual Golf Tournament – Whirlpool Golf Course, Niagara Falls Benefits of ASHRAE and Membership		
All meetings are at the Royal Hamilton Yacht Club, North end of McNab St. on Hamilton Harbour unless noted otherwise.				

Chapter Scholarship Program

As indicated last year in our chapter newsletter, one of the ways that we are offering a benefit for our membership is through the Hamilton Chapter Scholarship Program. This program is designed to support students entering a post secondary education in the field of science and technology at community college or university level. It is open to the direct family of any Hamilton Chapter member who wishes to submit an entry form. The value of the scholarship will vary slightly year to year but will be in the \$600.00 range, so it wouldn't hurt to put a name forward to promote a venture toward improving the arts and sciences of heating, refrigeration and air conditioning.

Complete the following entry form and return to the ASHRAE Hamilton Chapter's Student Activities Chair to enter. All entries will be compiled throughout this year and selection interviews will be held by the chapter executive scholarship committee and awarded at our June meeting.

Chapter Member's Name :	
Address :	
Phone No. :	
Fax No. :	
E-mail :	
Students Name and Relationship to you :	
Intended Field of Study :	
University (s) Applied to :	

Return To :
AquaTech Sales & Marketing Inc.
40 Bigger Avenue
Hamilton, Ontario.
L8L 3Z4
Attention : Darryl Singleton, Hamilton Chapter Student Activities Chair
Phone : (905) 545-5479
Fax : (905) 545-8655
E-mail : darryls@aquatech.ws