



# Airways

**Hamilton Chapter No. 037**

*American Society of Heating, Refrigeration and Air Conditioning Engineers*

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**Tuesday November 14, 2000**

## *Deregulation and Power Regulation*

Cogeneration systems are applied more broadly than as a supplement to a building's electricity supply and HVAC needs. In our current environment of electricity deregulation the ability to service a local facility and the local power utility at the same time impacts the financial implications of implementing cogeneration systems on a local basis.

### *Tonight's Speaker*

Chris Hobbs P.Eng., P.E. is a graduate of McMaster University and has been in the Electricity and HVAC field for 15 years. He is the President of Peninsula Engineering Inc. and has worked for major facility owners, engineering consulting firms, and contractors. He has experience in all facets of construction and frequently speaks about cogeneration systems and their application.

### *Message From The President*

For anyone who attended the October ASHRAE meeting and heard Jim Wolf speaking about global warming issues, it should leave no doubt that ASHRAE members can play a large part in designing, installing, and servicing environmentally friendly equipment.

This "Opportunity To Make A Difference" will be highlighted by Chris Hobbs, the speaker for our November meeting, who will be discussing deregulation and power regulation. With deregulation comes the opportunity to move forward with the installation of gas fired electricity production. This technology will create a huge decrease in the emissions of global warming products.

Another highlight of the November meeting will be a presentation on an existing



### ***Pinetree Restaurant***


***395 Centennial Parkway North (at QEW), Hamilton***

**5:00 PM Social Hour & Technical Session**

**6:00 PM Dinner & Business Meeting**

**7:00 PM Technical Program / Speaker Presentation**

*Chapter Members \$ 20.00 • Guests \$ 25.00 • Students \$ 20.00 • Meal Plan \$ 100.00*



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cogeneration system. There will also be a discussion on the benefits and pitfalls of such systems.

Also, I would like to provide a quick reminder about our family event at Hamilton's Dundurn Castle on Saturday, December 9, 2000 from 1:30 to 4:30. It should be a fun event.

See you on the 14th!

*George Robb, Hamilton Chapter President 00/01*

## HAMILTON ASHRAE LIBRARY

### Standards

Guideline 1-1996  
The HVAC Commissioning Process

Standard 15-1994  
Safety Code for Mechanical Refrigeration

Standard 34-1992  
Number and Safety Classification of Refrigerants

Standard 55-1992  
Thermal Environmental Conditions for Human Occupancy

Standard 100-1995  
Energy Conservation in Existing Buildings

Standard 111-1988  
Practices for Measurement, Testing, Adjusting, and Balancing of Building Heating, Ventilation, Air-Conditioning, and Refrigeration Systems

Standard 135-1995  
BACnet

### Compact Disks

ASHRAE Handbook - 1995,96  
ASHRAE Handbook - 1995,96,97  
ASHRAE Transactions – 1997

### Books

AMCA Fan Application Manual

ASHRAE Pocket Guide for Air Conditioning, Heating & Ventilation

**ASHRAE Hamilton Chapter  
Wishes To Extend A Special Thanks  
To All The Corporate Sponsors  
Of Our Annual Golf Tournament  
Last June At Whirlpool Golf Course  
In Niagara Falls**

**Comstock Canada**

**Johnson Controls**

**Niagara Plumbing Supply**

**Penn Ventilator**

**Weil McLain**

ASHRAE Manual for Chapter Operations 1998

ASME B31.1 - Power Piping

Cogeneration Design Guide

Cold Air Distribution Design Guide

Design for Smoke Management Systems

Duct Fitting Loss Coefficient Tables

Honeywell Manual for Automatic Controls  
Industrial Ventilation, A Manual of Recommended Practice,  
23 Edition

Laboratory HVAC

Load Calculation Principles

Noise and Vibration Control

|

## 1999 - 2000 Meeting Schedule

This year's meeting schedule is summarised below. Except for some special events, all meetings will be held at the Pinetree Restaurant, 395 Centennial Parkway North (at the QEW), Hamilton. 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 George Robb. 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 one month.

| <b>2000 – 2001 ASHRAE HAMILTON CHAPTER PROGRAM ACTIVITY</b>   |                         |   |                                   |  |
|---|-------------------------|---|-----------------------------------|--|
| <b>Month/Date</b>   | <b>Theme</b>            | <b>Tech Session<br/>5:00 – 6:00 p.m.</b>  | <b>Table Top<br/>Presentation</b> | <b>Guest Speaker/Main<br/>Topic</b>  |
| Nov. 14, 2000   | Student                 | Cogeneration In Institutional Settings: Kitchener City Hall Case Study (Chris Ford. P.Eng.) | Lochinvar<br>Condensing Boilers   | Deregulation and Power Regulation (Chris Hobbs, P.Eng., Peninsula Engineering)                                   |
| Dec. 9, 2000  | Membership/<br>Research | Hamilton – Dundurn Castle – Family Event – 1:30p.m. to 4:30p.m.                             |                                   |  |
| Jan. 9, 2001  | Research                | New Technology in Cartridge Filters   | Envirotech                        | Ultrafine Particles and Indoor Air Quality (Roger Williams, TSI)   |
| Feb.13, 2001  | TEGA                    | Fundamentals of Local Area Networks   | Energy Control                    | The Use of CFD in Modelling Airflows in Occupied Spaces: Industrial & Commercial (Duncan Phillips, P.Eng., RWDI) |
| Mar. 13, 2001   | Refrigeration           | Expansion Valves (John Pollock)   | Copeland Alco                     | Supermarket Refrigeration (Paul Neelands, Neelands Refrigeration)  |
| Apr. 10, 2001   | TEGA                    | Retrofitting old Chimneys   | TBA                               | Chimney Vents  |
| May. 8, 2001  | Student                 | Industrial Tour - Westcast Industries   |                                   |  |
| June 13, 2001   | Membership/<br>Research | Annual Golf Tournament – Whirlpool Rapids   |                                   |  |
| All meetings are at the Pinetree Restaurant, 395 Centennial Parkway North (at QEW), Hamilton, unless noted otherwise. |                         |   |                                   |  |

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