



Airways

Hamilton Chapter No. 037

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

American Society of Heating, Refrigeration and Air Conditioning Engineers

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Our 45th Year

February 2004

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Tuesday February 10, 2004

*Ice Rinks
And
Ice Rink Technology*

Tonight's presentation on Ice Rinks and Ice Rink Technology will focus on uses, systems, classifications, etc.

Tonight's Speaker:

David Sinclair, Cimco Refrigeration

David Sinclair earned a BSc. from the University of Toronto in 1984. He has been responsible for the basic concepts, design and marketing of refrigeration systems as they relate to both the industrial and recreational markets. Completed projects include Bay Growers Cooperative, Ontario's second largest apple storage facility, Coca-Cola Bottling (Weston), Minute Maid (Peterborough) freeze tunnel and cold juice storage, Crompton Canada glycol chilling system, Air Canada Centre (single), Hershey Centre (quad), Beatrice Ice Gardens (six), Mississauga Iceland (quad), Oakville, Etobicoke, Oshawa IceSports (quad, twin, quad), Brampton Sportsplex (quad), South Courtice (twin), Orangeville (twin), Angus Glen (twin), Caladonia (twin), Milton (twin), Vaughan Sports Village (5), Brampton Gage Park Skating trail, Storybook Gardens skating trail, Richmond Green Skating trail, Vaughan Sports Village skating trail.

David is presently Sales Manager, CIMCO Refrigeration.



**Royal Hamilton Yacht Club
North End of McNab, On Hamilton Harbour**

5:00 PM Social Hour & Technical Session

6:00 PM Dinner & Business Meeting

7:00 PM Technical Program / Speaker Presentation

Chapter Members \$ 27.00 · Guests \$ 32.00 · Students \$ 20.00 · Meal Plan \$ 130.00



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Tonight's Technical Session:

Desiccant Dehumidifiers

George Jaros, IDH Engineering

George has many years of experience dealing with dehumidification systems and processes in Ontario. Below is a brief overview of tonight's session:

INTRODUCTION TO PSYCHROMENTRICS

Temperature, DB, WB, Relative Humidity, Absolute Humidity, Dew Point

DEHUMIDIFICATION PROCESS

Refrigeration, Desiccants

DESICCANT DEHUMIDIFIER

Operating Principle

WHEN TO USE WHAT SYSTEM

Typical: Above 55 F DP, Use Refrigeration; Between 55F & 50F DP Use Refrigeration & Consider Desiccants; Below 50F DP, Use Desiccants + Refrigeration

APPLICATIONS

Industrial: Moisture Regain Prevention During Manufacturing, Processing & Packaging; Product Drying; Condensation Prevention, Commercial HVAC Systems

A Night At The Races

No, not the Marx Brothers movie.

During a weeknight in April 2004, the ASHRAE Hamilton Chapter will have A night at Flamboro Downs Race Track.

The night will include a Buffet Supper, Horse Race Program plus a \$10 voucher for the Slot Machines downstairs.

The date, time and cost will appear in the March Airways. Watch for and complete the entry form.

David Rasmussen, Social Chair, 2003/2004

This space Could Be Yours!

**Business Card Ad
\$75 For one year**

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

Message From The Editor

Do you ever wonder what economists do all day? This web site explains it:

<http://www.foulds2000.freemove.co.uk/economists.htm>

Brian Beninger, Airways Editor 2003/2004

This space Could Be Yours!

**Double Size Ad
Business or Product Advertising**

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(includes \$15 Setup Charge)**

**Changes can be made any time for an
additional \$15 setup charge**

If you are interested, contact Brian Beninger
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2003 - 2004 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, book the table top space to promote your product or service, or if you have a suggestion for a feature subject and/or speaker, please contact please contact Chris McClelland, our Programs Chair. There is a charge of \$ 75.00 for "Table Top" demonstration space, and this includes a business card ad for two months.

2003 – 2004 ASHRAE HAMILTON CHAPTER PROGRAM ACTIVITY				
Month/Date	Theme	Tech Session 5:00 – 6:00 p.m.	Table Top Presentation	Guest Speaker/Main Topic
February 10, 2004	Arena Design	Desiccant Dehumidification Bryair	Bryair	Ice Rink Refrigeration CIMCO David Sinclair
#March 2, 2004#	Water	Residential Water Purification	Zenon	Zenon
April 13, 2004	DL	Distinguished Lecturer – Richard Hayter Joined by London & Toronto Chapters		Tour of the New Federal Building
May 11, 2004	ASHRAE Future	ASHRAE Current Operations (Steve Glover)	History of the Chapter	President of ASHRAE
June 9, 2004	Research	Annual Golf Tournament @ Whirlpool		
September 14, 2004	Programs	Under Floor Air Distribution	York	Gas Fired Refrigeration

Date moved to the first Tuesday of the month due to March Break.

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