



# Airways

**Hamilton Chapter No. 037**

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

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

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*Our 47th Year*

November 2005

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**Tuesday, November 1, 2005**

**Refrigeration 101/Students Night  
"Catch 22"**

This month's presentation – entitled "Catch 22" – will discuss the phase out of Refrigerant R-22 and look at active replacements and alternatives for this refrigerant in both refrigeration and air conditioning applications.

Feature Speaker:

**Garth Denison**

**Sr. Product Application Engineer**

**Sporlan Valve Division of Parker Hannifin Canada**

Garth Denison has some 42 years of experience in the refrigeration and air conditioning industry and is one of the most sought after speakers in North America.

Garth retired from DuPont Canada in 2002 as Senior Technical Consultant, Fluoroproducts Division. His present part-time position with Sporlan Valve keeps him somewhat busy, out of his wife's hair and, being on a reduced work schedule, gives him more time to read his ASHRAE Handbooks.

**Encourage a student to come and hear this  
knowledgable and entertaining speaker!**

**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 – Feature Speaker**

**Technical Session/Dinner/Feature Speaker**

*Chapter Members - \$30.00 • Guests - \$40.00 • Students - \$15.00 • Meal Plan - \$135.00*

**Technical Session and/or Feature Speaker (without Dinner)**

*\$15.00*



## President's Report

The October meeting presentation on Energy Recovery Equipment by Ian Anderson of Venmar CES Inc. drew a good size crowd. The material presented detailed ARI Standard 1060 and Guideline "V" which have been developed for the proper analysis of the various heat recovery methods available.

For those chapter members not at this meeting we re-announced that the first ten, first time, Chicago 2006 Winter or Quebec City 2006 Summer ASHRAE Meeting attendees from the Hamilton chapter will get the other half of their full registration paid for by the Hamilton Chapter. This is in conjunction with ASHRAE Headquarters announced incentive for these meetings. We already have four members who have requested to take advantage of this offer.

Dave Rasmussen announced that we have signed up with Legends on the Niagara for the Golf Tournament again in 2006 and for the same deal they provided us for 2005. We are going to try again to get the 120 golfers required for a shotgun arrangement so mark it on your calendar and put together your foursomes.

Dave Rasmussen reminded everyone about the upcoming CRC 2006 plans for Niagara Falls and requested volunteers to assist him with the arrangements.

See you at the meeting.

*Bill McCartney, President & Research Chair 05/06*



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## Upcoming Events of Interest


### **ASHRAE Winter Meeting (Including AHR Expo)**

January 21 – 25, 2006  
Chicago, IL  
www.ashrae.org


## Technical Session

In this month's Technical Session, Bill McCartney, Partner - Isotherm Engineering and our Chapter President & Research Chair, will review important aspects of *Ontario's Refrigerants Regulation 189/94*.

**J. Allan Antcliffe P. Eng**  
President



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### **CIELAP's 3rd Partnering for Sustainability Conference: Working Towards Sustainable Urban Communities**

October 27 and 28, 2005  
King Edward Hotel, 37 King Street East, Toronto,  
Ontario  
<http://www.cielap.org/savethedate.html>

With keynote Gro Harlem Brundtland - the woman recognized internationally for championing the principle of sustainable development.

This year's conference will focus on how issues of urban sustainability are being addressed through partnerships between leaders in business, civil society, government, media, and academia. It will feature panels on energy, water, waste, and the role of media. The conference will also benchmark Canada's progress towards urban sustainability through a much anticipated government panel.

CIELAP's third-annual forum is a place for sustainability practitioners to network, showcase their sustainability achievements, and discuss ways to obtain greater results through partnerships. Speakers will share the most innovative local and international examples of partnerships for urban sustainability.

Confirmed Speakers Include:

\*\*\* Gro Harlem Brundtland - former Director General of the World Health Organization, former Prime Minister of

## Airways – ASHRAE Hamilton Chapter – November 2005

Norway, and the woman recognized internationally for championing the principle of sustainable development.  
\*\*\* David Batstone - journalist, author of Saving the Corporate Soul, and a founding editor of Business 2.0 magazine.

\*\*\* Rick Boychuk - editor of Canadian Geographic.

\*\*\* Lavinia Brown - Deputy Premier of Nunavut.

\*\*\* Clive Doucet - Ottawa city councillor.

\*\*\* David Ramsay - Ontario Minister of Natural Resources and responsible for Aboriginal Affairs.

\*\*\* Alan Tonks – Parliamentary Secretary to the Minister of the Environment

See the conference website for ticket prices

Attend CIELAP's 35th Anniversary Reception on the evening of October 27, 2005 and Save!

When you attend CIELAP's 35th Anniversary Reception at the King Edward hotel on October 27, 2005 at 7 pm you Save \$50 on Partnering for Sustainability registration. Tickets for the reception are \$100 and come with a \$50 charitable receipt.

For more information or to register :

- visit the conference web page  
<http://www.cielap.org/savethedate.html>

- call (416) 923 3529 extension 26

- or email [registration@cielap.org](mailto:registration@cielap.org) with P4S in the subject line

### ***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



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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, 2006**. Please use the short form application available online at [www.ashrae.org](http://www.ashrae.org). If you would like some assistance with your submission, or require further clarification on eligibility, please contact any of the Hamilton 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 Nathan Martin, P. Eng., C.T.T.C. Chair & Programs Chair 05/06*

## Upcoming Chapter Meetings

**Tuesday, Dec. 6/05**

**Theme: Christmas Event / History Night**

Feature Speaker - **Connie Jasinskis, M. Sc.** - For the Love of Fit - will entertain us with "**Humour for the Health of It**". So come on out (bring your partner) to relax, laugh a little, move a little and learn some things that can change your life for the better.

Past Presidents and 25 Year Members will also be recognized at this meeting.

**Tuesday, Jan. 10/06 (note – 2nd Tuesday)**

**Theme: Controls**

Tour of the Cambridge EMS Facility – this building was the first LEED Canada Gold Building certified. We will tour the facility and several people involved in the design will make short presentations.

**Mark these dates on your calendar now!**

## Message from the Editor

On behalf of Hamilton ASHRAE Chapter members, I want to thank Mike Krewski (Union Gas) for volunteering to join the Chapter executive. Mike was promptly assigned the position of T.E.G.A. Chair and, as such, will keep an eye on "government activities" which may affect our industry.

I have made a couple of changes to Airways this month. First, you will notice that I have attached a link to each ad which will automatically take you to that advertiser's web site. Remember – new advertisers are more than welcome – it's great exposure for only \$75.00 per year.

The second change involves news releases issued by ASHRAE each month. As Airways editor, I am on the distribution list for possible inclusion in the bulletin. However, many of the releases are quite lengthy and including them in Airways in their entirety would add several pages. So what I have done is include a "title" and the first paragraph of each release received. If you feel that the topic is of interest and wish to read the complete release, click on the link following the last release and you will be taken to the ASHRAE web site where you can read any or all of the current releases.

[Note that your web browser may have to be turned on for the changes noted above to work.]

As mentioned last issue, if any of you have read technical articles which may be of interest to our membership, please forward a copy to me and I will attempt to include it in Airways.

As always, your comments are welcome.

*Allan Antcliffe, P. Eng., Airways Editor 05/06*

## ASHRAE News Releases

### **ASHRAE Implements New Process to Update Code-Intended Standards**

ATLANTA – As part of ongoing efforts to increase use of its standards, ASHRAE has announced a major change to availability of addenda to code-intended standards. . .

### **Sustainability Topic of ASHRAE Satellite Broadcast**

ATLANTA – A satellite broadcast is being offered by ASHRAE to fulfill its goal of promoting building sustainability as a means to provide a safe, healthy, comfortable environment while simultaneously limiting the impact on the Earth's natural resources. . .

### **'06 ASHRAE Winter Meeting Using Integrated Design to Achieve Sustainability**

ATLANTA – In designing buildings, professionals should work together to determine points of integration between various building systems, architecture and the environment. . .

### **ASHRAE Research Plan Provides Guide for a Sustainable Future**

ATLANTA – Providing navigation for a sustainable future is the goal of a new research strategic plan developed by ASHRAE. . .

### **ASHRAE Releases Proposed Cabin Air Standard for Public Comment**

ATLANTA – A proposed standard that will define air quality and comfort levels on airplanes has moved one step closer to publication. . .

**Click here for complete news releases.**



## **Historical Profile KeepRite Refrigeration**

As WW II came to a close in 1945, Keeprite was born in Brantford ON with an initial staff of nine people. Their first refrigeration sale was made to Ruddy Freeborn Co – now Hussmann Store Equipment. In the 40s, Canada had progressed to modern industrialized nation with needs for lots of refrigeration. As a result, Keeprite expanded rapidly with their staff growing to 100 employees just 3 years later in 1948. Sales exceeded \$1 million by 1951. They now needed to expand across Canada with sales branches – '53 in Montreal, '64 in Burlington, London and Vancouver. The plant had expanded to 118,000 ft<sup>2</sup>.

Keeprite had many of their staff as members of ASHRAE. In the late 60s, Irv Bodine, Julien Heroux, Bill McLean, and J.Gordon McMillen [the original owner of the company] were ASHRAE Members from head office plus Jim Gordon of the new Burlington Branch located at 3016 New Street. Jim was both a Society Member and a Hamilton Chapter Member. Jim joined the chapter executive at this time and moved up to become Hamilton Chapter President in '69-'70. This branch also expanded to a larger location at 2289 Fairview in Burlington a few years later.

Meanwhile, Keeprite kept growing with air conditioning an increasing part of their operation. Staff in '69 now exceeded 500 with another 36,000 ft<sup>2</sup> expansion. In 1970, they celebrated their 25<sup>th</sup> Anniversary and acquired Unifin in London – a company that manufactured coils with extruded fins – ideal for the heavy industrial applications in the steel business in Hamilton which helped Jim Gordon's Burlington Branch.

The company for many years have participated in the annual ASHRAE sponsored AHR Expo which runs concurrently with ASHRAE's winter technical meeting usually held in late January [this year it is in Chicago]. As well they participated in the Canadian CEX shows. The company has also advertised in the ASHRAE Journal over the years.

By 1972, Keeprite started to benefit from their aggressive pursuit of overseas markets. An adjacent property was acquired and another 35,000 ft<sup>2</sup> of manufacturing space was added. A year later, a new 25,000 ft<sup>2</sup> pressroom was completed with the installation of 2 - 400 ton presses. By '74 more than 700 were on their payroll.

Members of ASHRAE at this time included Peter Vogel, Norm Woods, Terry Allum, Bill McLean, J. Tom McMillen and Jim Gordon.

By 1975, KeepRite again acquired more property and now had 302,000 ft<sup>2</sup> of manufacturing with the Unifin division in London adding more as well to 70,000 ft<sup>2</sup>. In '76 another 70,000 ft<sup>2</sup> was added in Brantford. Keeprite was now a major employer in Brantford.

With the company going public in 1967 and with a steady expansion of the company, soon they were the "darling" of the stock market and in '79, the Odette Group purchased the controlling block of shares from the McMillen family. The company name changed from Keeprite Products Ltd. to Keeprite Inc. In '80 a second plant was purchased in Brantford adding another 82,000 ft<sup>2</sup>. In '81, Inter-City Gas Corp of Winnipeg purchased the controlling block of Keeprite shares. In '83 Keeprite buys from its parent company two of its divisions which now adds commercial and resident heating and ventilating equipment to their products lines. Keeprite now has more than 900 employees.

At this time, Members of ASHRAE at Keeprite head office now included our current Airways Editor Allan Antcliffe, Frank Oreskovich, Colin Perkins, Robert Kerr, Bill McLean plus two from the Burlington Branch – Bill Ovington and Audie Ditschun,

In '86, Keeprite purchased Heil-Quaker Home Systems heating and cooling products business from the Whirlpool Corp. About this time the company introduced Auto-CAD which, with computer upgrades, has progressed to a three-dimensional design to help reduce the cycle time used to produce prototypes.

In the '90s, KeepRite Refrigeration business unit forms an independent division under the Inter-City Products and moves into an existing 82,000 ft<sup>2</sup> facility. In '94, National Refrigeration purchases KeepRite refrigeration from Inter-City. This new division employs 59 people. In 2000, a new state of the art "Finn Power" shear/press was installed. In '03 with expansion, the plant now had a 140,000 ft<sup>2</sup> facility. Staff was up to 162. And in 2005, KeepRite celebrates its 60<sup>th</sup> Anniversary. To service the industry, KeepRite has an extensive Web based marketing program with various layers of access – refer to [www.k-rp.com](http://www.k-rp.com) for details. The focus of KeepRite's business is now specialized applications in food storage/processing and industrial process cooling. Product lines manufactured in Brantford include evaporator coils, condensing units, heat transfer and heat recovery and air conditioning products.

ASHRAE has benefited from the strong support of KeepRite for many years – both through membership plus their participation in our publications and at the ASHRAE sponsored shows. We wish them another 60 years of success.

*George Menzies, P. Eng., Historian 05/06*

## 2005 – 2006 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). During the 5:00 pm to 6:00 pm Social Hour, a half hour "technical session" is presented on the basics of a particular subject relating to our industry. If the session sounds interesting to you, feel free to attend. These sessions are presented by our members and are open to any one wishing 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 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 Nathan Martin (Programs Chair). There is a charge of \$75.00 for "table top demonstration" space and this includes a business card ad for two months.

<b>ASHRAE Hamilton Chapter Program Activity</b>				
Date	Theme	Technical Session 5:00 pm – 6:00 pm	Table Top Demonstration	Feature Speaker
November 1, 2005	Refrigeration /Students	<a href="#">Bill McCartney</a> <a href="#">Isotherm Engineering</a> <a href="#">Ontario Regulation 189/94</a>		<a href="#">Garth Denison</a> <a href="#">Sporlan Valve</a> <a href="#">New Refrigerants</a>
December 6, 2005	History	Christmas Event — <a href="#">Connie Jasinskas, M. Sc.</a> For the Love of Fit <b>"Humour for the Health of It"</b> Recognition of Past Presidents and 25 Year Members		
January 10, 2006 <b>(2nd Tuesday)</b>	Controls	Tour — <a href="#">Cambridge EMS Facility</a> 1st LEED Canada Gold Building		
February 7, 2006	Heating Systems	<a href="#">Glen Bradley</a> <a href="#">Maxon Industrial Equipment</a> <b>Burner Technology</b>		<a href="#">Sandra Cooke, P. Eng.</a> <a href="#">TSSA</a> <b>Changes to Heating Codes</b>
March 7, 2006	Air Distribution	<b>ASHRAE 62</b>	<a href="#">O'Dell / Titus</a> <b>Thermal Diffusers</b>	<a href="#">Jim Ashwegan</a> <a href="#">Titus</a> <b>VAV &amp; FPVAV Applications</b>
April 4, 2006	Research	t.b.d.	t.b.d.	t.b.d.
May 2, 2006	Commissioning	<a href="#">George Menzies, P. Eng.</a> <a href="#">George Menzies Consulting</a> <b>ASHRAE Structure</b>		<a href="#">Bill McCartney</a> <a href="#">Isotherm Engineering</a> <b>Commissioning</b> (Denver Symposium Paper)
June 7, 2006 <b>(Wednesday)</b>	Social /Research	Legends on the Niagara – Niagara Falls <b>Annual Golf Tournament</b>		

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