



# Airways

**Hamilton Chapter No. 037**

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

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*Our 47th Year*

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**Tuesday, January 10, 2006  
@ 5:30 p.m.**

**Tour of Cambridge EMS Facility  
100 Maplegrove Road, Cambridge, ON**

Kari Feldman, P.Eng., Regional Municipality of Waterloo  
Richard Lay, P.Eng., Enermodal Engineering  
Lou Lima, P.Eng., Enermodal Engineering

The ASHRAE Hamilton Chapter kicks off 2006 with a tour of the first LEED **GOLD** certified building in Canada. This is the first of a number of meetings that will discuss energy efficiency and environmentally responsible design.

The Regional Municipality of Waterloo (RMOW) has graciously opened the doors of their Cambridge EMS (Emergency Medical Services) facility to the members of ASHRAE. Kari Feldman will discuss the initiatives being taken by the region to promote "Green" buildings. Recently, the RMOW adopted a minimum LEED **SILVER** standard for all new facilities greater than 500 m<sup>2</sup> (5,382 ft<sup>2</sup>) showing their dedication to the environment.

The mechanical systems serving the facility were designed by Enermodal Engineering in Kitchener. Richard Lay and Lou Lima will lead a tour of the facility followed by a presentation on the building design and energy efficiency.

**Please e-mail Mike Krewski – [mkrewski@uniongas.com](mailto:mkrewski@uniongas.com) – to confirm your attendance as the RMOW wants to know how many people to expect.**

Followed by dinner at  
Moose Winooski's (Sportsworld Drive)



**Cambridge EMS Facility  
100 Maplegrove Road, Cambridge, ON**

(See map on last page)

5:30 p.m. – Tour

7:00 p.m. (approx.) – Dinner at Moose Winooski's  
(order from the menu)

## President's Report

We had an excellent social evening in December with Connie Jasinkas providing an enlightening and humorous presentation on health and fitness.

Now we're moving into 2006 with an excellent tour of the LEED certified EMS facility in Cambridge. Come out and learn what LEED means and the steps needed to accomplish it.

More importantly, as I look out at the snow, I am reminded of our desire to get the full compliment of golfers out in June to get our shotgun start. Put together your foursome and get hold of Dave Rasmussen.

A new year always seem to bring out a fresh start, so I hope everyone has as promising a year as they have planned and hoped for.

See you at the next meeting.

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



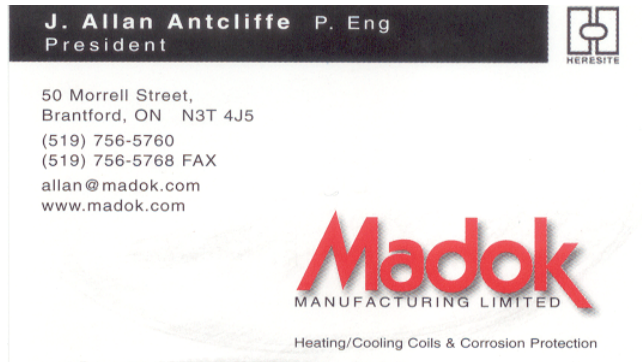
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## Upcoming Events of Interest

### ASHRAE Winter Meeting (Including AHR Expo)

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



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## ASHRAE Hamilton Chapter 2006 Golf Tournament

In 2005, we had the opportunity to hold our golf tournament at Legends on the Niagara. Those who were fortunate enough to play were treated to a picture perfect day at one of the most spectacular courses in the Niagara Peninsula.

The only downside was that we did not meet our target of 120 golfers. This enables them to close the course to outsiders . . . like the idiot from the other tournament who thought it would be funny to place our longest drive marker 10 feet from the green on a 485 yd hole.

Because we didn't rip up the course . . . we have been invited back!

Mark your calendar now for Wednesday, June 7, 2006. Let's ensure the course belongs to the ASHRAE Hamilton Chapter that day by getting 120 golfers out.

Are you contemplating going . . . but are concerned that it's a difficult course? This year will mark the first ever best ball.

*David Rasmussen, Social Chair 05/06*



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## Upcoming Chapter Meetings

**Tuesday, Feb. 7/06**

**Theme: Heating Systems**

Technical Session - **Glen Bradley** from Maxon Industrial Equipment will discuss **Burner Technology**.

Feature Speaker - **Sandra Cooke, P. Eng.** from the TSSA will present to us on the topic of **Changes to Heating Codes**.

**Tuesday, Mar. 7/06**

**Theme: Air Distribution**

Technical Session - **ASHRAE 62**

Feature Speaker - **Jim Ashwegan** from Titus will discuss **VAV & FPVAV Applications**

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



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## ASHRAE News Releases

### ASHRAE Energy Design Guide, ASHRAE Journal Earn Awards from SBIC

ATLANTA – The Advanced Energy Design Guide for Small Office Buildings published by ASHRAE has been recognized with its third award related to sustainability.

Also recognized with an award from the Sustainable Buildings Industry Council (SBIC) is a sustainability supplement to ASHRAE Journal.

### From Processing to Pan: How a Chicken Gets to Market

CHICAGO – Getting chickens to supermarkets isn't as easy as having them cross the road.

Instead, a chain of steps must be followed from production to display to ensure a quality product, safe for consumers.

[Click here for complete news releases.](#)

## BIO – Frank S. Spina

### FIRST TWO-TIME PAST CHAPTER PRESIDENT

Frank joined ASHRAE in 1970 some 11 years after the chapter was chartered. He was born in Hamilton but moved to Kirkland Lake till he completed grade one. He then moved back to Hamilton where he initially attended Gibson Public School until the end of grade 3. Then the family moved to Glanford Station, where he then finished the next 5 grades in a one room school house, not too common now in these parts. After attending Hill Park Secondary School, he went to Hamilton Institute of Technology (HIT)– now Mohawk College. During the summers, while at Hill Park and HIT, Frank worked for charter members of the Hamilton Chapter - Gary Elliot and Bill Carr, at a firm called Walter, Eull, and Elliot. After graduation in 1965, Frank worked for GM in Oshawa for a year in engineering tool design. But Hamilton was calling and he returned in 1966 answering an ad by Quist Associates for a HVAC technologist. Also in 1966, Frank got married to Madeline who became his lifelong companion and who has been a strong supporter of ASHARE social events for many years.

On this new job at Quist, Frank originally thought he would be doing mechanical equipment designs – cams, gears, etc. However, he was assigned to work in HVAC design for new buildings, something Frank soon found was enjoyable. As well, Frank liked the idea of working for a small close knit company compared to his initial full

## Airways – ASHRAE Hamilton Chapter – January 2006

time employment at the giant GM plant where he was just another clock number.

Three years later in 1969, Joe Vassallo, a Hamilton Chapter member, offered Frank a sales engineer position in Mark Hot Inc., a company that was rapidly expanding into the hydronics field. They needed a rep in the Niagara/Hamilton area. The Mark Hot office was located on Main St. East in Hamilton across from the Cathedral Girls School in the same building as A.R.Leslie Mechanical Contractors where Frank met up with Roland Clee another ASHRAE member who was on the chapter executive at the time eventually becoming Chapter President in 1974. Frank and Roland still are friends today. So with Roland on the chapter executive and his boss Joe Vassallo Chair of Chapter's Social Committee, it was inevitable that Frank would have to be a chapter member. He initially was a member of the Social Committee moving into Chair of Membership followed by a year as Chair of the Newsletter. 1974 saw Frank as Chapter Secretary and Vice President in 75 and President in 1976. During his term as President, ASHRAE introduced a new Chapter Executive position called President Elect which was open and not filled. Frank agreed to fill position which resulted in him becoming our first 2 time President in 1978-79. He was Research Chair the following year as the chapter introduced a new format that saw the outgoing President move to RP chair- a format continuing even today 26 years later.

Frank says that his years as the Chapter Delegate which allowed him to travel to Calgary and Halifax to represent the chapter were quite fulfilling. This was topped by being the General Conference Chair for the ASHRAE meeting in Niagara Falls in 1986 when the Hamilton Chapter hosted the conference.

After Joe Vassallo left Mark Hot, Frank's territory was expanded to cover Hamilton, Niagara, London, and Windsor which soon expanded to cover all of southern Ontario. Mark Hot's product line included hot water unit heaters, fintube, air handlers and all kinds of hot water heating equipment. But Frank wanted to market a more diverse line. So he left Mark Hot in 1975 and established an sales agency called CKMS Sales which he operates still today. This allowed him to opportunity to deal with other manufacturers such as Dunham Bush, Hastings, Fedders, Breidert, Hiross Canada, which allowed him to bid more comprehensive packages for commercial and institutional applications.

In 1990, Jack Keon Chapter President in 79-80, offered Frank a position Niagara Plumbing primarily to introduce into the Canadian market new European hydronics heating products including radiant floor heating and steel panel radiators. However, within 2 years of the move, a major downturn occurred in the economy and

Frank elected to re-establish his agency. CKMS continued to market the new European designs in the Hamilton area with a great deal of success with the Hamilton/Wentworth School Boards

By the mid 90s CKMS focus was mainly hydronics equipment – panel radiators, radiant floor heating, radiant ceiling systems and all aspects of hot water equipment. Frank has been a major supplier to local hospitals, long term care facilities, and several projects at McMaster University and has given him a steady viable niche market. Of special interest were Frank's curved rad installations at McMaster and the SPCA plus memorable projects at Niagara College, Mohawk College, and a church in Fonthill.

In 1995, Frank and Madeline decided to look for a country property to prepare for the future. They bought a 20 acre fruit farm in Beamsville. In 2001, Frank sold his office building on Wentworth South and now works from his house in Beamsville. As Frank tells me, the farm is a nice diversion from the daily pressures of the HVAC business.

Weekends, you will find Frank on the tractor cutting, spraying and so on. Frank says the fresh air and exercise are invigorating. And the farm is on the popular wine route – could be a major real estate windfall... Frank says he hopes to develop the orchard into a PYO apple operation which will allow him to lighten the HVAC activities as time goes by.

Frank's other major interest is being an elder at his church for more than 20 years where he has learned the importance of life and relationships. For recreation, Frank plays golf regularly and he tries to get to every ASHRAE event so he can continue with the relationships with ASHRAE folks he's had for more than 40 years.

Frank's final comment was that his attendance at the ASHRAE Winter Meetings with their extensive product show has helped him for many years to see the new and innovative equipment being introduced into the market which gives him a wealth of information and applications to use in his business. He suggests the younger members should take advantage of the opportunity. The Chicago Conference and Show is coming up on Jan 23 to 25<sup>th</sup>, 2006. This plus the friendships developed by Frank with other chapter members have lasted a lifetime.

Submitted by George Menzies, P. Eng.,  
Student Activities Chair & 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<br>5:00 pm – 6:00 pm  | Table Top<br>Demonstration                        | Feature Speaker  |
| January 10, 2006<br>(2nd Tuesday)               | Controls            | 5:30 p.m. Tour — <a href="#">Cambridge EMS Facility</a><br><b>1st LEED Canada GOLD Building</b><br>100 Maplegrove Road, Cambridge, ON<br>Followed by Dinner at Moose Winooski's (Sportsworld Drive) |   |  |
| February 7, 2006                                | Heating<br>Systems  | Glen Bradley<br><u>Maxon Industrial Equipment</u><br><b>Burner Technology</b>   |   | Sandra Cooke, P. Eng.<br><u>TSSA</u><br><b>Changes to Heating Codes</b>                                  |
| March 7, 2006                                   | Air Distribution    | <b>ASHRAE 62</b>  | <u>O'Dell / Titus</u><br><b>Thermal Diffusers</b> | Jim Ashwegan<br><u>Titus</u><br><b>VAV &amp; FPVAV Applications</b>                                      |
| April 4, 2006                                   | Research            | t.b.d.  | t.b.d.  | t.b.d.   |
| May 2, 2006                                     | Commissioning       | George Menzies, P. Eng.<br><u>George Menzies Consulting</u><br><b>ASHRAE Structure</b>  |   | Bill McCartney<br><u>Isotherm Engineering</u><br><b>Commissioning</b><br><b>(Denver Symposium Paper)</b> |
| June 7, 2006<br><b>(Wednesday)</b>              | Social<br>/Research | Legends on the Niagara – Niagara Falls<br><b>Annual Golf Tournament</b>   |   |  |

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**Map to Cambridge EMS Facility  
100 Maplegrove Drive  
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