



Airways

Hamilton Chapter No. 037

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

American Society of Heating, Refrigeration and Air Conditioning Engineers

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Our 48th Year

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Tuesday, October 3, 2006

***Wind and Air Flow Modelling
for Design of Low Energy Buildings
– Ventilation & Load Management***

This presentation will be the first in a series of meetings that will support ASHRAE President Terry Townsend's presidential theme "The ASHRAE Promise: A Sustainable Future". Don't miss the opportunity to see one of Canada's brightest engineers and a true ASHRAE believer, as described by a long standing member of our Board.

Feature Speaker

***Duncan Phillips, Ph.D., P. Eng.
RWDI Consulting Engineers***

The ASHRAE Hamilton Chapter is excited to welcome Duncan Phillips, Ph.D., P.Eng., to the October meeting. Duncan will be presenting both the technical session and main program this evening.

Duncan has a Ph.D. in Mechanical Engineering from the University of Waterloo. During his graduate work he investigated the measurement and quantification of room air and contaminant mixing within occupied spaces. This work involved both the development of instrumentation for, and measurements of, contaminant transports.

Duncan joined Rowan Williams Davies & Irwin (RWDI) Consulting Engineers in 2000. He is a Project Director/Senior Specialist for Ventilation and Computation Fluid Dynamics (CFD). His role at RWDI is to technically oversee the execution of client based projects. These projects include the design & implementation of high performance ventilation systems for applications ranging from contaminant control and thermal comfort to thermal load management and sustainable building design.

***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

Another ASHRAE Hamilton Chapter year is underway and includes many interesting topics of discussion. Upcoming feature speakers include Duncan Phillips from RWDI in Guelph, who will discuss Wind Tunnel technology related to Energy Modeling and it's use in Low Energy Buildings.

The executive has planned a Distinguished Lecturer for the November meeting. Carl Lawson is coming to our Chapter meeting from North Carolina and will be talking about "Operation and Maintenance of HVAC Systems for Improved Comfort and Indoor Air Quality" – a topic that affects almost all of us in the HVAC&R industry. Please fill out and return the Event Sign-up form to Wilf Laman no later than October 27th, 2006 to ensure your seat.

Both of these feature speakers offer excellent interactive presentations and are opportunities that I'm sure that you would not want to miss. Feel free to mention these two special evenings to your peers.

Gold dinner cards are being offered again this year and are a great way to invite your clients and business associates out to an ASHRAE monthly meeting. Please see me or any other Chapter Chairperson for details.

The ASHRAE 2007 Winter Meeting and AHR EXPO is to be held in Griffin Texas from January 29th – 31st, 2007. Many of you have attended these meetings in the past and they are always worth attending no matter what sector of the HVAC business you're involved with. As chapter president, I have obtained a small quantity of "Free Show Registration" passes. If you're planning on attending the Exposition again this year or going for the first time, please see me at one of the upcoming meetings for your complimentary show pass.

Note that our Airways newsletter includes many new areas of topics than before so please take a moment or two to review in detail.

The upcoming Family Christmas Event is to be held at Dundurn Castle in Hamilton.

Our next monthly chapter meeting is October 3rd, at 5:00pm. See you there.

David Hills, A.Sc.T., President 06/07

Technical Session

This month, the technical session will also be presented by our Feature Speaker – **Duncan Phillips, Ph.D., P. Eng.**

Duncan will cover some of the basics – call it **Wind Tunnel, Computational Fluid Dynamics (CFD) & Energy Modelling 101** – to prime you for the main program later in the evening.



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September Meeting Recap

Well, the kids went back to school and the ASHRAE meeting schedule began at the Hamilton Yacht club on September 5th. Although attendance was low, as a result of the conflict with the first day of school, a great program was presented.

The technical session was presented by a few members of the board – each providing insight into ASHRAE.

Dave Hills, President – Presented the ASHRAE Hamilton Chapter Board of Governors for the 2006-07 season. Dave also presented Bill McCartney, Past President, with a Certificate of Appreciation for his efforts over the past two years as President.

George Menzies, Historian – George discussed some current government activities and then briefly reviewed the history of the chapter since it was chartered in 1959. This will soon lead to the 50th anniversary in October 2009!

Nathan Martin, CTTC – Nathan presented a brief overview of his duties as Chapter Technology Transfer Committee (CTTC) Chair. The CTTC is responsible for Chapter Programs & Continuing Education, Technical, Energy & Government Activities (TEGA) and Awards.

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Mike Krewski, TEGA – Mike updated the membership on recent developments with the Canadian Building Incentive Program. Mike also discussed the government's directive to phase out old chillers. A summary of Mike's presentation is included in this month's Airways.

The main program, presented by Doug Graham of TAMCO, discussed dampers including design, application and installation. Doug enlightened those in attendance about the effect dampers can have on energy conservation, demonstrating the energy losses due to infiltration and conduction. Selection of dampers based on application and location was also a topic that promoted great discussion. Thermal break technology, offered by many manufacturers, is important to ensure proper operation through our cold winters. In the end, Doug stressed the importance of installation on the performance of the dampers. The key to high performance is a well supported, square and true installation by a reliable contractor.

Nathan Martin, C.T.T.C. Chair 06/07

Upcoming Chapter Meetings

Tuesday, Nov. 7/06

Theme: Research

Technical Session - **Bill McCartney** [Treasurer & Research Chair] will present **ASHRAE Research Recognition Awards**.

Feature Speaker - **Carl N. Lawson** [PWI Commissioning Services, Durham, NC and ASHRAE Distinguished Lecturer] will speak on the **operation and maintenance of HVAC systems for improved comfort and air quality**.

Don't miss this presentation by an internationally recognized expert in the HVAC&R field!!!

Saturday, Dec. 9/06 (not 1st Tuesday)

Theme: Social

Christmas Event - **tour and dinner at Dundurn Castle, Hamilton.**

T.E.G.A. Update

CBIP funding confirmed to March 31, 2007

(July 15/06) In July 2006, the Commercial Building Incentive Program (CBIP) and the Industrial Building Incentive Program (IBIP) received funding approval for continued activities until March 31, 2007. This will serve

as an interim measure until the Government of Canada introduces a new strategy for reducing greenhouse gas emissions and ensuring clean air, water, land and energy for Canadians.

CBIP has already received a high volume of submissions in recent months. To help ensure that we can process new submissions and prepare a Contribution Agreement before March 31, 2007, the program has decided to accept new submissions until December 1, 2006 or until funding is depleted, whichever comes first.

If you are planning to apply for CBIP or IBIP, we recommend you provide a complete submission as soon as possible.

go to:

<http://oee.nrcan.gc.ca/commercial/financial-assistance/new-buildings/cbip-funding.cfm?attr=28>

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McGuinty Government Promoting Energy Efficiency in Ontario

Phasing Out Chillers Will Reduce Electricity Demand And Help Clean The Air

TORONTO (June 27/06) – The McGuinty government is proposing regulatory changes that will promote energy efficiency and reduce electricity demand, Environment Minister Laurel Broten announced today.

"Across Ontario, large buildings are being cooled by old, inefficient cooling units," said Broten. "By phasing out their use, we are helping manage the province's energy usage and improving the air we breathe."

The proposed regulation would require owners to either replace older industrial, commercial and institutional refrigeration and air conditioning units and chillers, or retrofit them to be more energy efficient and use alternative refrigerants.

These proposed changes could save up to 50 megawatts of electricity – enough to power over 11,000 homes and will help protect the environment by phasing out the use of chlorofluorocarbons (CFC's). The proposed changes also support industry stewardship programs, which will help to ensure the safe collection, storage and disposal of surplus CFCs in the most environmentally friendly way.

go to:
<http://www.ene.gov.on.ca/envision/news/2006/index.htm>

Mike Krewsky, T.E.G.A. Chair 06/07



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Upcoming Events of Interest

Plant Engineering and Maintenance Association of Canada (PEMAC) "MainTrain 2006" Conference

Canada's premier physical asset management and maintenance event
Nov. 27 – Nov. 30, 2006
Novotel Toronto Centre
www.pemac.org

PM Expo

Canada's largest annual exposition and educational forum on the management and operations of all types of buildings
Nov. 29 – Dec. 1, 2006
Free Admission to ASHRAE Members
Metro Toronto Convention Centre (South Bldg.)
www.pmexpo.com

ASHRAE Winter Meeting (including AHR Expo)

Jan. 29 – Jan. 31, 2007
Dallas, TX

www.ashrae.org

(click on Meetings & Events)

Free Show Registrations – complimentary passes to the AHR Expo – are available to ASHRAE Hamilton Chapter Members planning to attend. If you are interested, please speak to Dave Hills.

HISTORICAL BIO
JOE VASSALLO
HAMILTON CHAPTER PAST PRESIDENT

Joe joined ASHRAE and the Hamilton Chapter in the late 60s not too long after the chapter was chartered and was soon involved in the executive of the Chapter. He supported the chapter and quickly influenced many other associates to get involved in the chapter with two also becoming Chapter Presidents.

Joe Vassallo was born in Toronto November 29, 1935 and attended high schools in Toronto and North York. Upon graduation, Joe enrolled in a 5 year apprenticeship for the trade of steamfitter and was involved in a variety of projects installing boilers, pumps, piping for both steam and hot water applications around Toronto and its suburbs. During the apprenticeship, Joe attended the Provincial Institute of Trades which was part of the apprenticeship program.

During the latter part of his apprenticeship he married his high school sweetheart Oct 19th, 1957 – Glenda. They will be celebrating their 50th anniversary October 19th, 2007. They had 4 children over the 10 year period 1959 to 1969.

In 1962, with HVAC industry rapidly expanding, Joe made a major career change leaving the tools and becoming an employee of Mark Hot Inc., a Canadian manufacturer of hot water and steam heating products such as convectors, baseboard and wall fin radiation, along with cabinet heaters, fan-coil units and unit heaters – many of which are still in use today in schools and steel companies in Hamilton. For the initial two years, Joe worked in the Toronto branch office as inside sales and customer service rep. He got to oversee and schedule many projects in commercial, industrial, institutional and construction which gave him the skills to establish a Hamilton branch office. It opened in 1964. His sales territory covered from Oakville through to Niagara Falls and west to Brantford and Cambridge.

During this 10 year period, Joe hired Frank Spina and Gerry Kowalshyn both of whom became Hamilton Chapter presidents. Joe was on the Chapter Executive at this time as Publicity Chair with Frank looking after Social Activities. As the Chapter President at this time, I appreciated the hard work and organization of both Joe and Frank.

In 1972, Joe left Mark Hot to join Ross & McNeilage, a distributor and sales agency representing Teledyne Laars who sold hot water packaged boilers, domestic hot water heaters and the now popular pool heaters. He also represented the Wing Company, a manufacturer of

steam coils, M.U. air units, and rotary heat exchangers for energy recovery systems. Energy recovery was now a major thrust in part to the many new energy conservation ASHRAE standards and guidelines. Joe's territory was expanded to now include the London area as well as all the former Mark Hot areas.

In 1974, Joe left Ross & McNeilage to become a partner in his own sales agency called Ontario Mechanical Sales & Service for sales of HVAC products in the greater Toronto area. This led to a take over of the D. Lapp & Associates in 1977 in Burlington which was a sales agency representing Teledyne Laars and Dunham-Bush with the same territory in this area through to Cambridge and the Falls. In December of '81, Joe closed the Lapp agency and transferred the Dunham-Bush product line to his close friend Frank Spina who operated CKMS Sales.

In April 1981, Joe joined AAF Canada – the American Filter Company, a major player in the HVAC business as they sold a wide range of air filter systems and dust collectors including roll filter machines, electro-static filter systems, HVAC equipment, heat pumps, unit ventilators and huge industrial air cleaning equipment. AAF published an annual "how-to" pocket manual which many of us still use today – gave capture velocities, duct sizing, static pressures, etc – ideal for the young engineer and spec writer. Joe worked out of the Toronto office with a territory covering Oakville, Hamilton and the Niagara Peninsula. This enabled Joe to become active in the Chapter Executive again.

In 1983, Henry Ramsey was the Hamilton Chapter President and Henry elected to retire from the AAF-Canada replacement air filter business December 31st, 1983. Joe stepped up and took over from Henry with an old familiar territory – Hamilton, Niagara, Cambridge, Brantford. Joe certainly knew many of the key players and buyers from his activities over the prior 19 years in the HVAC business so he had a great start in this latest assignment.

Joe was a regular member of the chapter and started working up through the Executive and became President of the Chapter in 1986-87. Ray Jacobs was immediate Past Pres.; Cliff Schemmer President Elect; Frank Spina Vice-President with Gary Romagnoli as Treasurer, Historian, G. Menzies, MP Chair David Rasmussen, Newsletter Editor John Reiding. The Chapter had two golf outings – Sept and June. The chapter also had 3 student branches – Conestoga, Mohawk, and Niagara. In 87-88 following his year as President, Joe became the chapter RP Chair- a format followed now for 20 years.

Joe has continued to represent AAF Canada through to

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2006 with the Hamilton Branch becoming an agency in 1991 under Systems Supply Northern Limited. Besides filter replacements, Joe now sold insulation products for the HVAC industry. However, in fall of 1996, Systems Supply closed up their Toronto and Hamilton offices and returned to Sudbury where they still operate today. In 1998, AAF had a major change in operations and elected to appoint PurAire Inc., formed by Bill Atkins, to distribute all of the AAF products in Ontario and Quebec. As a sales rep with electronic communications readily available while on the road, Joe was able to operate out of his home in Cambridge.

When asked about his best project, Joe commented that with so many IAQ concerns and with so much new technology involving energy recovery systems, he can now offer his clients – owners, contractors and consulting engineers some 50 years of experience with products that he knows will assist them in solving many of their concerns and needs. And ASHRAE has been one of the dominant resources over the years to give him the knowledge and skills needed in today's business.

Joe says that he plans to wind down and retire during 2007, but many of us have said similar things.... He said he acquired many lasting friendship thanks to all the contacts he made in ASHRAE and he will enjoy many of these well after retirement. To contact Joe, his phone is 519-658-9227 or through Puraire at 1-800-461-0902.

*Submitted by George Menzies, P. Eng.,
Historian 06/07*



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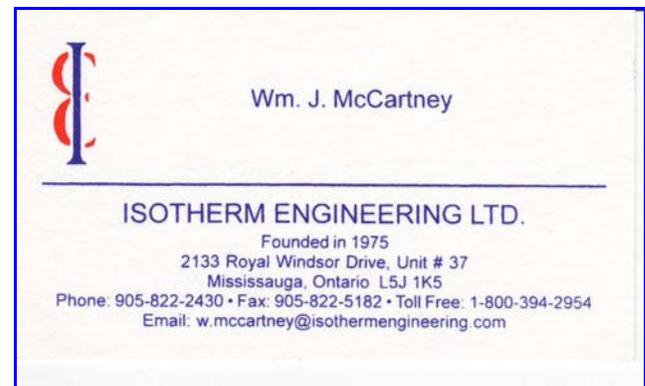
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allan@madok.com

ASHRAE News Releases

Web Site Features Improved Technology and Navigation **ASHRAE Unveils Redesigned Web Site**

ATLANTA – With a focus on ease of navigation and new technology, ASHRAE has unveiled its redesigned web site, www.ashrae.org.

Click here for complete news releases.





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ASHRAE Newsletters

Two ASHRAE newsletters, the **TECHNOLOGY COUNCIL NEWS - MEMBERS FIRST! JULY 2006** (issued after each Technology Council meeting) and the **CTTC ISSUE UPDATE Fall 2006** have been posted to the Chapter web site. Click on them to see the full issue.

Allan Antcliffe, P. Eng. Airways Editor 06/07

2006 – 2007 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.

ASHRAE Hamilton Chapter Program Activity				
Date	Theme	Technical Session 5:00 pm – 6:00 pm	Table Top Demonstration	Feature Speaker
October 3, 2006	Sustainability	Duncan Phillips, Ph.D., P. Eng. Rowan Williams Davies & Irwin Inc. Wind Tunnel, CFD and Energy Modelling 101		Duncan Phillips, Ph.D., P. Eng. Rowan Williams Davies & Irwin Inc. Wind and Air Flow Modelling for Design of Low Energy Buildings – Ventilation & Load Management
November 7, 2006	Research	Bill McCartney ASHRAE Hamilton Chapter Treasurer & Research Chair Presentation of ASHRAE Research Recognition Awards		Carl N. Lawson ASHRAE Distinguished Lecturer Operation & Maintenance of HVAC Systems for Improved Comfort & Air Quality
December 9, 2006 (not 1st Tuesday)	Social	Christmas Event — Dundurn Castle, Hamilton Tour & Christmas Dinner		
January 2, 2007	Sustainability	Speaker yet to be named Union Gas Limited Changes to Gas Codes		Art Stokman Guelph Hydro City of Guelph – A Plan for Sustainability
February 6, 2007	T.E.G.A.	Speaker yet to be named OSPE Bill 124 – Update		Mike Seiling City of Kitchener Changes to the 2006 OBC
March 6, 2007	Sustainability	George Menzies, P. Eng. ASHRAE Hamilton Chapter Historian TC65.08 – Industrial Ventilation		Florin Plavosin, P. Eng. Enerworks Inc. Solar Heat Exchanger for Hot Water Applications
April 18, 2007 (not 1st Tuesday)	IAQ	Satellite Broadcast – Indoor Air Quality Crossroads – Burlington, ON		
May 1, 2007	Students	Tour of Lakeport or Sleeman's Brewery		CIMCO
June 6, 2007 (not 1st Tuesday)	Social /Research	Legends on the Niagara — Usher's Creek Course Annual Golf Tournament		

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