



Airways

Hamilton Chapter No. 037

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American Society of Heating, Refrigerating and Air Conditioning Engineers

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Our 52nd Year

October 2010

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Wednesday, October 20, 2010

(not the normal 2nd Tuesday)

Refrigeration Evaporator & System Design

Featured Speaker

Dan Yaksich, Sales Engineer
RefPlus Inc.

Dan Yaksich has been an Ontario-based Sales Engineer with RefPlus for the past 9 years. In total, he has over 30 years of experience in the HVAC/R industry. RefPlus is a division of Dectron Internationale, a North American company with manufacturing facilities in Quebec and Ohio. Dan's expertise lies on both sides of RefPlus' main product lines – the first being heating and cooling products for the HVAC industry and the second being process chillers and custom refrigeration packages for the refrigeration industry.

IMPORTANT – Please RSVP to John Molnar – john.molnar@lge.com – before October 18th, 2010 – as we must give the RHYC some idea of the number of "meals" required.

Royal Hamilton Yacht Club

North End of McNab, On Hamilton Harbour

5:00 pm – Social Hour

6:10 pm – Buffet Dinner

7:15 pm – Feature Speaker

Dinner / Feature Speaker

Chapter Members - \$30.00 • Guests - \$40.00 • Students - \$15.00 • Meal Plan - \$150.00

President's Report

Our first meeting of the fall was held at the University Club of McMaster University on the evening of Sept. 21. Our thanks to the Dean of Engineering, Engineering Faculty, Dr. Cotton and the 21 engineering students who attended this special meeting. The Hamilton ASHRAE Chapter, on behalf of Society, were very pleased to present an ASHRAE-Rueben Trane Scholarship to Ben Oliver, a 4th year Mechanical Engineering student. Meeting Ben and his family and friends was a special treat for me and the rest of the Chapter Executive. Congratulations Ben – this scholarship was well deserved! All the best in your future endeavours.

Secondly, we were pleased to announce the formation of a McMaster – Student ASHRAE Branch. Currently, there are over 5000 students world-wide taking advantage of belonging to ASHRAE. Student members of ASHRAE receive the monthly publication of Society which explores issues such as indoor air quality, energy management, solar developments and more. They also receive the monthly newspaper "Insights" which is devoted to information about Society at every level. Students are encouraged to submit articles and pictures of current Branch activities. The Hamilton ASHRAE Chapter is looking forward to a long association with the McMaster – Student Branch! Thank you, Dr. Cotton, for all your help and assistance to make this happen.

Also included this month is an article regarding six McMaster Mechanical Engineering grads (Group of 6) from the Class of 1962. These friends have banded together, almost 50 years later, to donate to their alma mater. Their donation will help to establish the Class of 62 – Mechanical Engineering Chair in Eco-Entrepreneurship and also fund sustainable entrepreneurship. The Hamilton ASHRAE Chapter is honoured to have Mr. George Menzies as an Executive member and be part of this remarkable donation from the "Group of 6.

Our next meeting is on Wednesday, October 20th at the Royal Hamilton Yacht Club (not our normal meeting night). I look forward to seeing everyone at the meeting.

Best Regards,

Mike Krewski, President 10/11

ASHRAE Hamilton Chapter Past Presidents & Ladies Night

This year's event will be held at the **Canadian Warplane Heritage Museum** (located in Mount Hope next to the John C. Monroe/Hamilton Airport).

Further details will follow in the November Airways. Don't be surprised to look next to you, while you're eating, and find a Lancaster bomber!

Mark your calendar for **Saturday, December 4, 2010.**

*Submitted by David Rasmussen, C.E.T.
Social Chair 10/11*

Annual Golf Tournament

I realize we have not yet shovelled our first snow . . . however, the date for the next golf tournament has been set for Wednesday, June 15, 2011. As you may recall, the tournament is usually held on the 2nd Wednesday of June. . . . this year, please note that it will be the 3rd week of June. Also, we are going back to **Legends on the Niagara** and will again battle the **Battlefield Course** with a "Best Ball" format.

Mark your calendar for **Wenesday, June 15, 2011.**

*Submitted by David Rasmussen, C.E.T.
Social Chair 10/11*

Classmates Donate \$3-Million to Support Eco-Entrepreneurship

A class of engineering graduates from 1962 has banded together to donate \$3,043,000 to support entrepreneurs developing and bringing sustainable technologies to market.

The funds will establish the Class of '62 Mechanical Engineering Chair in Eco-Entrepreneurship and a Fund for Sustainable Entrepreneurship. The Chair will reside in the Walter G. Booth School of Engineering Practice, with funds available to support students in developing innovations. A search date for the chair holder has yet to be determined.

The six alumni making the donation are: Walter Booth (Burford, ON), Julius Brokloff (Mallorytown, ON), Irvine Hollis (Chatsworth, ON), David Male (Saskatoon, SK), **George Menzies** (Hamilton, ON), and Del Smith


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(Markham, ON). It is the largest donation ever made to the Faculty of Engineering.



Class of '62 from left to right
Walter Booth, Del Smith, Irvine Hollis,
David Male, Julius Brokloff, George Menzies

"We thought a gift from past students to support future entrepreneurs would be an ideal way to mark the upcoming 50th anniversary of the class," said Walter Booth on behalf of the donors, who still keep in close contact. "Being part of a first class and entrepreneurial ourselves, we appreciate the type of support and encouragement new ventures need to succeed."

The Chair in Eco-Entrepreneurship will investigate how public policy can be developed and implemented to encourage entrepreneurship in sustainable technologies. Government environmental and regulatory policies can strongly influence potential opportunities to develop new products and services, and determine the ability of a business to succeed. A recent example is Ontario Power Authority's feed in tariff (FIT) program. It provides a guaranteed rate for clean energy generation that has spurred a wave of investment in solar technology in Ontario.

"This is a generous, visionary and necessary donation if we are serious about building a sustainable future," said Patrick Deane, president and vice-chancellor of McMaster University. "The donation shows the impact a group of friends, who came together in a class some 50 years ago, can have on the future. That's the power of universities in building lasting and influential friendships. That's the power of alumni."

Today's gift builds on the \$3 million previously donated by Mr. Booth to help establish the School of Engineering Practice. The School was formed in 2003 to provide

engineers and scientists with the opportunity to pursue interdisciplinary Master's studies in entrepreneurship and innovation, public policy, engineering design, and manufacturing engineering. There are 120 students currently enrolled.

"There is no one better at taking ideas and turning them into reality than engineers who are also entrepreneurs," said David Wilkinson, dean of the Faculty of Engineering. "If anyone is up to the challenge of building a sustainable environment, they are. They already have the problem-solving skills. We provide the guidance and environment for them to become entrepreneurial. The support our alumni have shown today is both inspirational and practical in terms of achieving success."

The Faculty launched a five-year strategic plan in 2009 focused on engineering a sustainable society.

"Generating an idea is just the first step in addressing a problem or opportunity," said Samir Chidiac, director of the Walter G. Booth School of Engineering Practice. "Developing marketing strategies, addressing regulatory requirements, financing, and design and manufacturing, all weigh heavily in achieving viable solutions. The new Chair will help bring together these considerations to increase opportunities for success."

The Walter G. Booth School of Engineering Practice is home to three centres supported by academic, industry and government partners: the ArcelorMittal Dofasco Centre for Engineering and Public Policy, General Motors of Canada Centre for Engineering Design, and the Xerox Centre for Engineering Entrepreneurship and Innovation. (msepmcmaster.ca)

*Reprint of McMaster University Press Release
September 15, 2010*

ASHRAE News Releases

[Exam to First be Offered at 2011 AHR Expo](#)
[Take the Leap: Earn Your BEAP From ASHRAE](#)

ATLANTA – With the growing emphasis on energy consumption reduction and cost savings, there is a recognized need for credible information to help in the assessment and modeling of energy use in buildings.

**Click to go to the ASHRAE
Press Release web page**

John Freeman, EIT, LEED AP
Account Manager



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Upcoming Events

CSC (Construction Specifiers Canada)

Luncheon Meeting
Thursday, October 21, 2010
Burlington, ON

(Information attached to this Airways)

ASHRAE Winter Meeting AHR Expo

January 29 – February 2, 2011
Las Vegas
www.ashrae.org/lasvegas
www.ahrexpo.com

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2010 – 2011 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). New products and/or services may be presented informally via a "technical session" or a "table top demonstration" prior to dinner. 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 Terry Fowler (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 /Table Top Demonstration	Feature Speaker
October 20, 2010 (not 2nd Tuesday)	Refrigeration	none	Danny Yaksich <u>RefPlus Inc.</u> Refrigeration – Evaporator & System Design
November 9, 2010	Research /Awards	none	Hugh Crowther <u>McQuay</u> Future HVAC Technologies at the Grand Valley Golf Club (Cambridge)
December 4, 2010 (not 2nd Tuesday)	Social	Christmas Party / Past Presidents Night at the Canadian Warplane Heritage Museum	
January 11, 2011	Modelling		Speaker Name tbd <u>RDWI</u> Building Modelling at The University of Waterloo
February 8, 2011	Membership		to be determined
March 8, 2011	History		to be determined
April 4, 2011 (not 2nd Tuesday)			Wei Sun HVAC Healthcare Design Joint Meeting with Toronto ASHRAE Chapter
May 10, 2011	C.T.T.C.		Speaker Name tbd <u>Enermodal / Harp-Genivar</u> Modelling for Grants
June 15, 2011 (not 2nd Tuesday)	Social/ Research	Annual Golf Tournament Legends on the Niagara – Battlefield Course	

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MEETING NOTICE

LUNCHEON PRESENTATION

WOOD & WOOD PRODUCTS

CURRENT USES & INNOVATIVE TRENDS &

PRODUCTS FROM EUROPE AND CANADA

When: Thursday, October 21, 2010

Where: Royal Canadian Legion, 828 Legion Road, BURLINGTON, ON.

Time: Registration: 11:30 AM
Literature/Product Tables: Before Lunch and after the Presentation.
Lunch: 12:00 Noon
Presentation: 12:45 PM (Meetings to end by 2 PM)

Cost: \$25.00 per person. Receipts on arrival, ATM on site. (Cheques payable to CSC Hamilton/Niagara Chapter).

Target Audience: Architects, Engineers, Specification Writers, Building Code Professionals
Owners, Property Managers, Contractors, Sub-Contractors

Seminar Description:

This presentation will cover an introduction on Wood WORKS! and the Canadian Wood Council. It will touch on sustainability and engineered wood products, then focus on new trends (from Europe, BC and Quebec), with an insight into new products/building applications and opportunities for the Ontario market in the non-residential building sector.

Seminar Presenters:

Steven Street, Technical Director, Ontario Wood WORKS

Steven joined the Wood WORKS! Team in 2007 after a career in off site penalization and prefabrication. In his role as Technical Director, he provides information and technical support to design professionals, helping facilitate the increased use of wood products in commercial, industrial and institutional construction. Steven is actively involved in numerous key Canadian market development programs including Cross-Laminated Timber and woods role in Mid-rise construction. He also guest lectures at Colleges and Universities on wood and wood use and is a regularly invited speaker at technical events presented by the OBOA, MBOA, OWTFa, and the Canadian Wood Council.

Max Torossi, Technical Director, Ontario Wood WORKS

Max graduated with an Architectural Technology Co-op Diploma from Mohawk College in Hamilton in 1992, and is a member of the Ontario Association of Certified Engineering Technicians and Technologists (OACETT) and Ontario Association for Applied Architectural Sciences (OAAAS). With his site experience and technical training, Max was hired in 1994 by an engineered wood products manufacturer. Starting as an engineering associate producing shop drawings and engineered calculations he then moved into a technical sales role creating primary demand for EWP products in the Industrial-Commercial-Institutional sector. After 12 years Max has moved on and is now the Technical Advisor for Wood WORKS! Ontario, a project of the Canadian Wood Council. Max aids architects, engineers And municipalities to incorporate wood into non-residential buildings via technical Assistance, presentations and through industry contacts.

ARCHITECTS: Qualifies for OAA Self-directed learning points.

Choose and book your attendance by contacting: Terry Johnson FCSC:
E Preferred: tjohnson32@cogeco.ca. Cell: 905 220 5366

Product/Literature tables are available for this meeting. Book with the above at \$50.00 each.

Door prizes are appreciated. Thank you.

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