



Airways

Hamilton Chapter No. 037

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American Society of Heating, Refrigeration and Air Conditioning Engineers

Volume 48, No. 8

Our 48th Year

April 2007

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Wednesday, April 18, 2007
(Not the normal Tuesday)

Satellite Broadcast Indoor Environmental Design

12:00 p.m. – Lunch (*regular meeting prices and meal plan apply to this luncheon*)

1:00 p.m. – Introduction & Welcome

1:03 p.m. to 1:50 p.m. – Presentations

- "An Overview Perspective on Indoor Environmental Quality"
– Bill Coad, P.E., President, Coad Engineering Enterprises
- "Ventilation Air – First, Do No Harm"
– Lew Harrington, Director of Research, Mason-Grant Consulting
- "Ventilation System Design – Avoiding Three Common Mistakes"
– Hoy Bohanon Jr., P.E., President, Bohanon Engineering

1:50 p.m. – Q&A

2:20 p.m. – Break

2:30 p.m. to 3:20 p.m. – Presentations

- "Behind the Access Door – Advances in Affordable Filtration for IAQ"
– Chris Muller, Technical Director, Purafil Inc.
- "Noise, IAQ and Thermal Comfort – Can You Have It All?"
– Dan Int-Hout III, Chief Engineer, Krueger

3:20 p.m. – Q&A

3:55 p.m. – Closing

Note: Topics and Scheduled Times May Change

Sponsored by
York Johnson Controls

**Crossroads Communication Centre
1295 North Service Road, Burlington**

12:00 noon – Lunch

1:00 pm to 4:00 pm – Satellite Broadcast

Lunch / Satellite Broadcast

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



President's Report

Mike Seiling and Craig Waller from the City of Kitchener talked to our group about the new Ontario Building Code – 2006, the changes in the process of Building Permit Applications.

April's Chapter meeting will consist of hosting another ASHRAE Satellite Webcast and Broadcast on the topic of Indoor Environmental Design (IED). It will be held again at the Crossroads facility in Burlington and will take place on April 18th, 2007. Please do plan on attending as this meeting starts with a light lunch in the Atrium at the Crossroads at 12:00 noon. I urge you to visit the Society website at: www.ashrae.org/education/page/557 to review the topics covered, the schedule agenda, and the BIO's for the speakers.

On another note, I am pleased to report that the Hamilton Chapter Executive Committee has once again achieved the Research Promotion *Full Circle* Award, for all officers and the Research Promotion Chairperson making contributions towards Research Promotion. I would like to thank each and every one of them for their continuous and ongoing financial support and all of our membership that have also contributed to this very important part of not only ASHRAE, but to the HVAC & R industry in general.

Warmest Regards,

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

Details on Satellite Broadcast are being distributed separately from Airways.

Please RSVP before April 11th to David Hills at:

Phone: 905-687-9778 Ext. 22

Fax: 905-687-8147

E-mail: dhills@tmpniagara.com

ASHRAE Hamilton Chapter Members Receive Awards

The following ASHRAE Hamilton Chapter members recently received awards from the Society as follows:

Bill McCartney -- Distinguished Service Award -- the award recognizes ASHRAE members who have served the Society faithfully and with distinction on committees or have otherwise given freely of their time and talent on behalf of the Society.

Dr. Michael Collins and **Dr. John Wright** of the University of Waterloo -- 2006 Crosby Field Award -- the award is presented to the author(s) of the best paper published by the Society during 2006 and consists of a plaque and an honorarium of \$750.00 (\$375.00 each).

Congratulations go out on behalf of all ASHRAE Hamilton Chapter members.

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



Frank E. Olds
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Upcoming Chapter Meetings

Tuesday, May 1/07

Theme: Legionella

Details are still being worked out.

Wednesday, June 6/07

Theme: Social/Research

ASHRAE Hamilton Chapter Golf Tournament at Legends on the Niagara (Ussher's Creek course) – Niagara Falls.

ASHRAE Hamilton Chapter 2007 Golf Tournament Wednesday, June 6th

We currently have 68 golfers signed up for our upcoming ASHRAE Golf Tournament to be held at Ussher's Creek on Wednesday, June 6th.

If it appears that we will not obtain our 120 required to close the course, I will have to submit to drastic measures . . . I'll have to invite Toronto and London Chapter members! Please make every effort to help keep this Social Event a success.

We will have new Corporate signs posted at as many holes as we have sponsors. I still have room for YOUR COMPANY so please get hold of me if you are interested. The cost is \$125 for new Sponsors and \$75 for past Sponsors.

Again this year, we are handing out Gift Cards for prizes. If you are in a position to donate, please stick to a \$10, \$20, \$30 or \$40 denomination. I loved the Reverse Draw, however I'm sure golfers don't want to be there till 10 pm.

Single golfers are welcome but, to date, all 68 registered are 4-somes. We also have many new groups signed up so don't delay – complete the attached form and fax it to my attention. Many have requested invoices. Please give me your details for the invoice and Bill McCartney will email it out.

Those interested can check out the website at www.niagaraparksgolf.com/legends/. Then click on Ussher's Creek course.

I want my May ASHRAE insert to say "SOLD OUT"!

David Rasmussen, Social Chair 06/07
Office Phone/Fax: (905) 575-5542
Cell Phone: (905) 520-6194

Golfer to Caddy: "Think I'm going to drown myself in the lake."

Caddy to Golfer: "Think you can keep your head down that long?"



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David Hills, A. Sc. T.
Designer

Tel (905) 687-9778
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E-mail: dhills@tmpniagara.com
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Upcoming Events of Interest

ASHRAE Toronto Chapter
Seminar and Exhibition

Engineering for Sustainability


Thursday, May 17, 2007
Marriott Toronto Airport Hotel

*(see last page of this month's Airways
for additional details and registration form)*

ASHRAE Annual Meeting

June 23 – June 27, 2007

Long Beach, CA
www.ashrae.org
(click on Meetings & Events)



Wm. J. McCartney

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ASHRAE News Releases

20 Projects Funded

Clear Ice Maker Developed Through ASHRAE Grant

ATLANTA – Improved refrigeration technology and beautification come together in a teaching project being funded by ASHRAE.

Through a grant from ASHRAE, students at Pennsylvania College of Technology will design and build a large-scale clear ice maker for their refrigeration lab. The device also will be used by students in the School of Hospitality for decorative ice carvings.

Twenty grants, totaling some \$118,000 have been awarded by ASHRAE to colleges and universities worldwide to promote the study and teaching of HVAC&R, encouraging undergraduate students to pursue related careers. The grants are used to design and construct projects.

ASHRAE Seeks Members for Contractor, Design Build Firm Task Group

ATLANTA – Making ASHRAE's products and services more user friendly for HVAC&R contractors and design build firms is the goal of a new ASHRAE task group.

Engineers Without Borders Founder to Speak at ASHRAE 2007

ATLANTA – With an estimated population increase of 2 billion people in the next two decades, unprecedented demand will exist for energy, food, water, land, transportation, waste disposal, health care and infrastructure.

The role of engineers will be critical in fulfilling those demands from remote small communities to large urban areas.

ASHRAE Announces Healthcare Design Professional as First Certification

ATLANTA – A program to certify healthcare facility design professionals is being launched by ASHRAE. The first examination to earn the credential will be held on June 28 in Long Beach, CA, immediately following ASHRAE's Annual Meeting there. Subsequent examinations will be web-based at testing facilities nationwide.

5 Addenda Open for Review

Outdoor Air Cleaning Proposed as Requirement for ASHRAE 62.1

ATLANTA – Indoor air quality in some areas of the United States would improve under a proposed change to ASHRAE's ventilation standard.

Addenda to Standard 90.1 Open for Public Review Proposed 90.1 Addendum Would Allow More Efficient Skylighting

ATLANTA – A proposed addendum to ASHRAE's energy standard will allow for increased energy savings by modifying envelope requirements to allow the use of more daylight-friendly skylight materials in certain climate zones and require photocontrols with certain skylights.

Click for complete/additional news releases.

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Message from the Editor

Please note that, effective this fall, the ASHRAE Hamilton Chapter will be returning to having its meetings on the second Tuesday of the month. The first meeting of the "fall season" will thus be on Tuesday, September 11, 2007.

At last month's meeting, Dave Rasmussen mentioned that he was trying to set up an evening at the horse-races for early April. An April date did not work out but Dave is still working on arranging something in May.

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



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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
April 18, 2007 (Wednesday)	IAQ	Satellite TueBroadcast – Indoor Air Quality Crossroads – Burlington, ON		
May 1, 2007	Membership /Special	Legionella—details are still being worked out.		
June 6, 2007 (Wednesday)	Social /Research	Legends on the Niagara — <u>Ussher's Creek Course</u> Annual Golf Tournament		
September 11, 2007 (2nd Tuesday)		Feature Speaker—Victoria Serda of the GREEN Party (Huron - Bruce)		

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ASHRAE Hamilton Chapter

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



ASHRAE Toronto Chapter is Proud to Present
A Seminar and Exhibition on

Engineering for Sustainability

Thursday May 17, 2007

Marriot Toronto Airport Hotel

901 Dixon Road, Toronto, Ontario, M9W 1J5

7:30 AM – 8:00 AM Reception

8:00 AM – 4:00 PM Seminar & Exhibition

Agenda Includes:

- 1 – Terry Townsend, P.E., ASHRAE Society President
- 2 – Darryl Yahoda, Union Gas
- 3 – Shane Pospisil, Ontario Energy Association
- 4 – Cengiz Kahramanoglu, P. Eng., Ministry of Municipal Affairs
- 5 – Professor Gary Johnson, Seneca College
- 6 – Stephen Carpenter, P. Eng., LEED-AP, Enermodal Engineering
- 7 – Dan Larson, P. Eng., LEED-AP, Smith & Andersen



Early Registration (On or Before April 20th, 2007) \$125.00*

On-Site Registration \$150.00

Students \$75.00

For Registration Contact: Ms. Sabrina Tai – ASHRAE Toronto Chapter

Tel: (905) 602 4714

Fax: (905) 602 1197

E-mail: stai@hrai.ca

To register for the event, please complete form and send form and/or cheque to Sabrina Tai.

*All early registration payments must be received on or before April 20, 2007, to receive the \$25 discount.

Name: _____ Visa No: _____

Company: _____ Exp Date: _____

Telephone: _____ Card Holder: _____

Make cheques payable to “ASHRAE TORONTO CHAPTER”

ASHRAE Toronto Chapter

2800 Skymark Avenue, Building 1, Suite 201

Mississauga, ON., L4W 5A6



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ASHRAE HAMILTON CHAPTER **SCRAMBLE GOLF TOURNAMENT**

DATE: WEDNESDAY JUNE 6, 2007

LOCATION: LEGENDS ON THE NIAGARA, NIAGARA FALLS, ON

COST: \$150.00 PER PERSON

**INCLUDES: 18 HOLES ON THE USSHER'S CREEK COURSE
ONE POWER CART PER TWO GOLFERS
SUPPER
FREE ACCESS TO DRIVING RANGE**

PLEASE COMPLETE THE FOLLOWING AND FAX OR E-MAIL TO DAVID RASMUSSEN
RESTRICTED TO THE FIRST 120 PAID GOLFERS
(REGISTER NOW TO AVOID DISAPPOINTMENT)

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PLAYER 3 _____ PLAYER 4 _____

IF A SINGLE PLAYER, PLEASE INDICATE YOUR "NORMAL" SCORE FOR 18 HOLES:

75 - 85 86 - 96 97 - 107 108 - 118 119 OR OVER

SHOTGUN START AT 1:00 P.M. SHARP

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E-MAIL: _____

- NEW SPONSOR – WE WOULD LIKE TO SPONSOR A HOLE @ \$125.

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“INDOOR ENVIRONMENTAL DESIGN”

Wednesday, April 18, 2007

Tentative Agenda

12:00 p.m. Noon – Lunch (*Meal Plan and regular meeting prices apply to this luncheon*)

1:00 p.m. – Introduction – Don Rheem, Moderator

1:01 p.m. – Welcome – Terry Townsend, ASHRAE President

1:03 p.m. to 1:50 p.m. – Presentations:

- **"An Overview Perspective on Indoor Environmental Quality"**
Bill Coad, P.E., President of Coad Engineering Enterprises, St. Louis, MO.
- **"Ventilation Air – First, Do No Harm"**
Lew Harriman, Director of Research at Mason-Grant Consulting, Portsmouth, NH.
- **"Ventilation System Design – Avoiding Three Common Mistakes"**
Hoy Bohanon Jr., P.E., President, Bohanon Engineering, PLLC, Winston-Salem, NC.

1:50 p.m. – Q&A (Don Rheem and Presenters)

2:20 p.m. – Break

2:30 p.m. – 3:20 p.m. – Presentations

- **"Behind the Access Door – Advances in Affordable Filtration for IAQ"**
Chris Muller, Technical Director at Purafil Inc., Doraville, GA.
- **"Noise, IAQ, and Thermal Comfort – Can You Have It All?"**
Dan Int-Hout III, Chief Engineer, Krueger, Richardson, TX.

3:35 p.m. – Q &A (Don Rheem and Presenters)

3:55 p.m. – Closing – Don Rheem, Moderator

Note: Topics, panelists and scheduled times may change



ASHRAE Hamilton Chapter:



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Location: Crossroads Communication Centre:



From Toronto Airport:

401 West to 403 South to QEW West,
exit at Brant St, left on N. Service Rd

QEW from Toronto:

Exit at Brant St, right on Brant St,
at first lights, left on N. Service Rd

QEW from Niagara:

Exit at Plains Rd, right on Plains Rd,
left on Brant St, left on North Service Rd

403 from Hamilton:

East on 403, exit Waterdown Rd,
left to North Service Rd, right to Crossroads

From Guelph/Kitchener/Cambridge:

401 to Hwy 6 South, east on 403,
exit Waterdown Rd, left to N. Service Rd

407 from Toronto:

Exit Dundas St W, right on Dundas,
left on Brant St, right on N. Service Rd



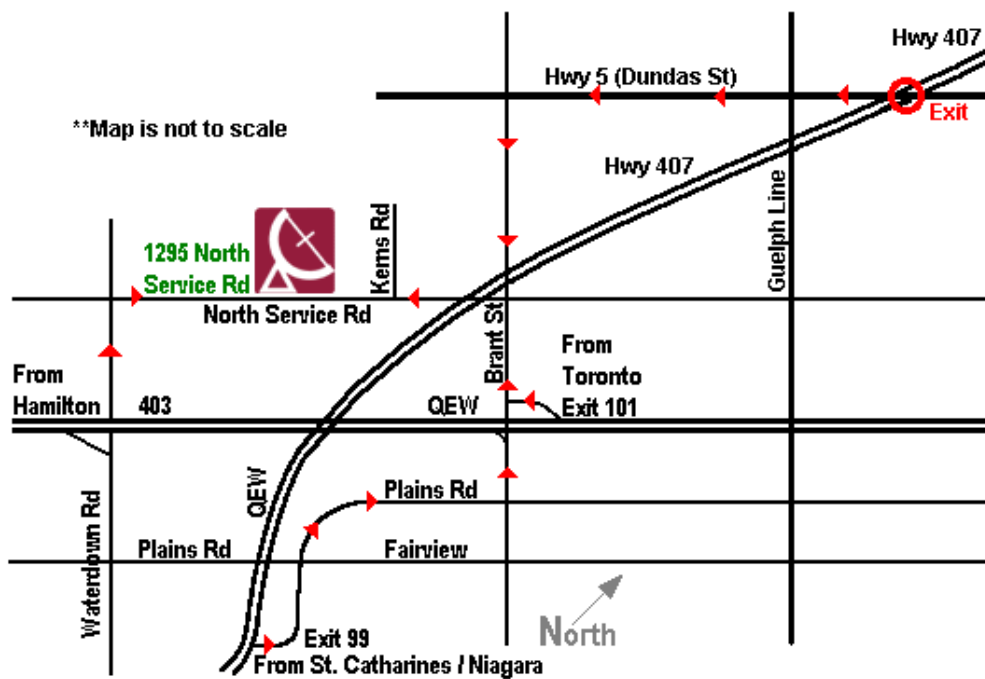
ASHRAE Hamilton Chapter:



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Directions:



RSVP before April 11, 2007 to:

Please contact David Hills @

Phone: 905-687-9778 x 22

Fax: 905-687-8147

Email: dhills@tmpniagara.com