



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

March 2006

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Tuesday, March 7, 2006

VAV & FPVAV Applications

This month's speaker will be Jim Aswegen from Titus — manufacturer of grilles, registers, diffusers and air terminal units. This evening, Jim will be discussing VAV and FPVAV air terminal units. The discussion will focus on the following:

Application – VAV vs. FPVAV; Series vs. Parallel

Selection – Sizing, sound considerations, etc.

Operation – Getting the most out of your design

Feature Speaker:

Jim Aswegen
Titus

Jim Aswegen brings with him many years of experience in the air distribution industry. At Titus, he is the manager of training, providing programs for the representative network and consultants alike. Jim is also involved with ASHRAE, sitting on several TC committees researching air distribution.

After the presentation, Jim is open to discuss any topic of interest relating to air distribution so bring your questions!!!

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

February raised the technical content for our chapter meeting to a new level.

First we had Glen Gray, P. Eng. from Maxon Industrial Equipment provide an in-depth history of direct fired burners for make-up-air systems. His presentation dealt with the advancements over the last fifty years and how they have been able to improve efficiency and provide considerable energy savings through product design.

Then Sandra Cooke, MAsC., P. Eng. from TSSA opened up the mysterious world of a not-for-profit government agency that touched our industry with their involvement with fuel burning appliances. It was quite interesting that a lot of questions regarding the practices and requirements of contractors in that field were brought forward by everybody but contractors.

As a contractor I have been aware and involved with TSSA since they surfaced at our office in 1997 but it became obvious that those not involved directly were quite appreciative of Sandra's answer to their questions.

March will be a very interesting meeting tackling the perplexing world of the VAV with a technical and TAB contractor's point of view. If it wasn't for my desire to finally learn a second language (Spanish this time – French did not pan out) I would make a point of inviting all those involved with designing air systems out to the meeting.

Nathan is trying to put together a reasonably priced scenario for us to gather for the April 19, 2006, satellite broadcast and webcast, *Sustainability and the Building Environment*. If he is successful it will be event worthy of your attendance. If not, he will be putting on the normal program for the first Tuesday in April.

Remember June 7th – book your foursome with Dave Rasmussen now.

Bill McCartney, President & Research Chair 05/06



Wm. J. McCartney

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Technical Session

In this month's Technical Session, **Dave Lipsit** from **Air Audit Inc.** will discuss air balancing with a focus on VAV and FPVAV systems. He will display some of the tools and techniques used to perform air balancing.


Air Audit provides air and water balancing, indoor air quality monitoring and water and air survey services. Dave founded Air Audit, certified by the National Environmental Balancing Bureau (NEBB), in 1987. He is an active member of ASHRAE, regularly attending Hamilton Chapter meetings.

Table Top Demonstration

O'Dell Associates will be displaying a couple of new products from **Titus** including:

- Titus Model DTFS fan powered VAV box with ECM motor. This is a demo unit which can be plugged in for operation. We may see Dave in action!
- Titus Model T3SQ variable geometry thermal diffuser.

J. Allan Antcliffe P. Eng
President



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ASHRAE Hamilton Chapter 2006 Golf Tournament

I am personally thrilled at being able to advise you that we are again having our annual Golf Tournament at Legends on the Niagara. The cost remains at \$150 per person.

What's New:

Date: June 7th (which is the first Wednesday not the second as in previous years).

Format: First ever Scramble Format (rules to follow)

Start Time: 1:00 PM sharp — Shotgun (no more waiting for groups to arrive).

Prizes: Will be gift cards in various denominations.

I know you're all questioning why I'm trying to get a commitment 3 months in advance. You may recall last year that we only had 90+ golfers. You must have 120 golfers to close the course to other groups. This also forced me to go to a double tee format which results in a 2 hour window waiting for all the groups to finish.

I'm committed to reaching our goal of 120. I have had interest from ASHRAE's Toronto, London and even Windsor Chapters to join in on our fun. The April issue of their newsletter will be promoting our tournament.

I strongly urge you to submit the registration form to me ASAP. Single players are most welcome. Please indicate your ability in the box listed on the form.

If you are a past hole sponsor or would like to be a new sponsor, please indicate your intention on the form.

Next month's Airways I will report on our progress. Start arranging your team! Check out the course for yourself at: www.niagaralegends.com

David Rasmussen, Social Chair 05/06

Upcoming Events of Interest

CMX•CIPHEX 2006 SHOW
March 23 – March 25, 2006
Trade Show & Learning Forum
Metro Toronto Convention Centre (MTTC)
www.cmxciphexshow.com

In keeping with this year's theme — Joining Forces.

Sharing Knowledge — CMX•CIPHEX 2006 has invited Government of Canada HVACR specialists to present information critical to all levels of the residential and commercial building industry.

Attend on March 23 & 24, 2006 at the MTTC and meet with the Government of Canada's leading building technology experts and program managers as they provide a better understanding of current technologies, introduce new and innovative technologies and discuss regulatory and funding programs.

Attendance is limited.

For details on the seminars and registration, go to www.cmxshow.com/seminarsGofC.cfm

Upcoming Chapter Meetings

Wednesday, Apr. 19/06 (not the normal Tuesday)
Theme: Sustainability and the Building Environment

ASHRAE Satellite Broadcast

Information regarding building sustainability principles, practices and emerging concepts will be presented in a satellite broadcast and webcast.

More details to follow

Mark this date on your calendar now!

The advertisement for AquaTech Sales and Marketing includes the following information:

- AQUATECH** SALES AND MARKETING
- PHONE (905) 631-5815 FAX (905) 637-8655
- Lochivar** logo
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- A 25th Anniversary seal for AquaTech (1980-2005)

Click on ad to go web site.

ASHRAE News Releases

ASHRAE Sets Sustainability Course with New Roadmap

ATLANTA – A new roadmap adopted by ASHRAE will help members lead the march toward a sustainable built environment through use of advanced technologies.

ASHRAE and CIBSE Issue Joint Statement on Climate Change

ATLANTA – Continued reductions in emissions, guidelines leading to reduced energy consumption and responsible refrigerant use are encouraged in a new joint statement on climate change issued by ASHRAE and CIBSE.

ASHRAE, ASHE Partner to Ensure Healthy Health Care Facilities

ATLANTA – As part of a continuing partnership, ASHRAE and ASHE (the American Society for Healthcare Engineering) will work together to advance and promote the mutual interests of engineers and health care facility professionals.

ASHRAE Headquarters Renovation to Showcase Sustainability

CHICAGO – ASHRAE is studying renovation of its headquarters to showcase sustainability.

ASHRAE Research Program Hits \$50 Million Milestone

ATLANTA – With approval of projects at the Society's 2006 Winter Meeting, ASHRAE has funded \$50 million in research since the merger of its two predecessor societies in 1959.

Compliance with Standard 90.1, 62.1 Tops ASHRAE's Online Courses

ATLANTA – Six online professional development seminars will be offered this spring by ASHRAE.

Five BACnet Addenda Recommended for Public Review

ATLANTA – Five addenda to ASHRAE's BACnet standard were recommended for public review at the Society's 2006 Winter Meeting held Jan. 21-25, Chicago.

ASHRAE Publishes Principles of HVAC&R

ATLANTA – A new textbook designed to also be used as a reference manual that allows engineers to build on their knowledge of HVAC&R design procedures and methods has been published by ASHRAE.

HVAC Simplified in New Book from ASHRAE

ATLANTA – Step-by-step engineering design methods and tools are emphasized in a new design manual from ASHRAE.

ASHRAE, USGBC, IESNA Partner on Baseline Standard for Green Building

WASHINGTON, DC – The U.S. Green Building Council (USGBC), ASHRAE and the Illuminating Engineering Society of North America (IESNA) announced today that the three organizations have agreed to co-sponsor the development of a new ASHRAE/USGBC/IESNA minimum standard for high performance green building.

ASHRAE's Most Used Standards Available on One CD

ATLANTA – ASHRAE's "greatest hits" - its 12 top selling standards and guidelines - are now available on one CD.

ASHRAE Grants: Students Study Miniature Cooling Devices

ATLANTA – A miniaturized cooling system being studied through ASHRAE research could make it possible to safely transport biological tissue and organs to remote areas without electricity.

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

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.

ASHRAE Hamilton Chapter Program Activity				
Date	Theme	Technical Session 5:00 pm – 6:00 pm	Table Top Demonstration	Feature Speaker
March 7, 2006	Air Distribution	ASHRAE 62	<u>O'Dell / Titus</u> Thermal Diffusers	Jim Ashwegan Titus VAV & FPVAV Applications
April 19, 2006	Research	ASHRAE Satellite Broadcast and Webcast Sustainability and the Building Environment		
May 2, 2006	Commissioning	George Menzies, P. Eng. <u>George Menzies Consulting</u> ASHRAE Structure		Bill McCartney <u>Isotherm Engineering</u> Commissioning (Denver Symposium Paper)
June 7, 2006 (Wednesday)	Social /Research	Legends on the Niagara – Niagara Falls Annual Golf Tournament		

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ASHRAE HAMILTON CHAPTER **SCRAMBLE GOLF TOURNAMENT**

DATE: WEDNESDAY JUNE 7, 2006

LOCATION: LEGENDS ON THE NIAGARA, NIAGARA FALLS, ON

COST: \$150.00 PER PERSON

**INCLUDES: 18 HOLES AT THE SITE OF THE 2004 LPGA
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)

PLAYER 1 _____ PLAYER 2 _____

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

FIRST TIME EVER – SHOTGUN START AT 1:00 P.M. SHARP

DESIGNATED CONTACT: _____

PHONE: _____ FAX: _____

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

- PAST SPONSOR – WE WOULD LIKE TO SPONSOR A HOLE @ \$75.

- MY GROUP WILL BRING _____ GIFT CARD(S) FOR PRIZES.

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