

2006 - 2007

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# Capital Communiqué

# ASHRAE - AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS

http:/www.ashrae.ottawa.on.ca

OTTAWA VALLEY CHAPTER

e-mail:contact@ashrae.ottawa.on.ca

October 2006

#### **EVENING PROGRAM**

DATE: Tuesday **October 17th**, **2006**. Social: 17:30 Dinner: 18:30 Program: 20:00

La Contessa, 156 Cleopatra Dr., Nepean, Ont., (613) 224-8700

TECH SESSION Dampers 101: (16:30-17:30) at La Contessa

Mr. Doug Graham, Regional Manager, T.A. Morrison Inc. will give a short

presentation on:

-Different damper types and their characteristics/applications

-Damper energy calculations -Damper sizing methods -Damper trouble shooting

THEME: TEGA / Student

PROGRAM: Condensing Heat Recovery from Boiler and Process Exhaust

SPEAKER: Mr. Robert W. Triebe, M.A.Sc., P. Eng.

Thermal Energy International Inc.

OVERVIEW: The presentation discusses recent energy trends and their impact on the economics

of heat recovery initiatives. Heat recovery technologies in general and their applicability are reviewed. A case study will be presented to demonstrate the considerations in selecting what heat recovery technique to apply. Particular attention will be paid to the additional benefits of modern condensing heat

recovery technology in commercial and institutional facilities.

SPEAKER BIO: Mr. Robert Triebe has over 15 years of environmental engineering experience,

specializing in energy efficiency systems. This expertise has been derived from energy audit and conservation work in industrial, institutional, and commercial facilities. Mr. Triebe has completed energy conservation screening studies and detailed feasibility studies, resulting in his recommending, analyzing, designing, implementing, and verifying energy conservation measures at various types (industrial, commercial) and sizes of facilities during his work with Jacques Whitford Environment Limited, and with Thermal Energy International Inc.

#### **Approximate Menu**

Hot Roast Potatoes, Chicken with Mushroom Sauce, Rice Pilaf, Baked Fish, Meat Balls, Penne with Tomato Sauce, Cold Chef's Salad with Dressings, Potato Salad, Crab Salad, Pasta Salad, Chick Pea Salad, to name a few; Assorted Cheeses, Coffee & Tea, Dessert











# President's Message

By Glenn MacLean

Well, summer's over and the leaves are falling (not to be confused with spring, when the Leafs fall). We had a great turnout and some fantastic reminiscing/story telling at our last meeting at the Prescott. For those of you that missed it, I hear rumors that we may try something similar to start off next year's season, but for now it's back to La Contessa Banquet Hall and back to business.

We have an exciting and informative year of technical sessions, programs, and tours lined up for our members this year. ASHRAE is focusing on sustainable buildings this year, so our focus is going to reflect this - highlighting energy recovery, building efficiencies, and how to make our building design choices maintainable and sustainable.

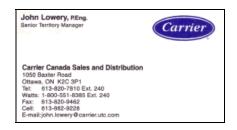
We are pleased to welcome the students from the various institutions in and around Ottawa to our meeting this month. As with all of our meetings, students and guests are always welcome to attend our meetings, but twice a year we like to focus on the students. This year the student nights are set for October 17th and January 16th. So if you see a student with that 'deer in the headlights' stare - introduce yourself, tell them a bit about your career or what ASHRAE can offer. Our industry offers many of these students the possibility of long term and challenging careers and the students of today offer our industry the opportunity to grow and to face the challenges that will be ahead.

I look forward to this and the rest of our meetings this year. If at any time, you want to approach me or the members of our executive with ideas, feedback, constructive criticism, or queries in general, I encourage you to do so. This is your chapter. Help us structure our meetings, and events so that we deliver the information you are interested in learning about, and it is presented in a manner that is productive and beneficial.

In your service, Glenn MacLean President 2006-2007 Ottawa Valley Chapter ASHRAE

Tel: (613) 723-1661 Fax: (613) 723-0818

e-mail: eng02@engineeredair.com











# Theme Student Night

by Chris Fudge 2006-2007 OVC Committee Chair

#### Hi All!

My name is Chris Fudge I am the committee chair for student activities. I would like to extend a special welcome to those students returning to our chapter and any new students who have just recently joined the ASHRAE Ottawa Valley Chapter. This month's theme is student activities. Please take the time to talk to a student and make them feel welcome. Students are the future of our chapter and our industry.

Last year we saw more students get involved with our local chapter. We are going to work hard to keep things interesting for our student members again this year. This year our committee has grown. Several people have "stepped up to the plate" and volunteered their free time, they are: Imtee Baksh, Helena Jonas, Stephen Lynch, Benjamin Moore and Aaron Dobson. Both Glenn MacLean and Patrick St.Onge have been pitching in regularly by attending committee meetings and helping out with presentations at various institutions in the Ottawa area. Last but not least a sincere thank you to those student advisors who have taken the time out of their very busy schedules to help our committee last year and going forward this year. Student advisors this year are: Frank Snyder of Algonquin College, Dr. Junjie Gu of Carleton University, Betrand Jodoin of Ottawa University and Marc Desmarais of Cégep de l'Outaouais . Each one our committee members will act as a liaison between our chapter and the aforementioned people.

The ultimate goal of our committee this year is to have more students involved in our chapter's regular activities. This will be realized through our committee members building relationships with the students and faculty members in our area. This is an exciting year. We have several committee members who have already been actively engaged with schools in the past year. There are a lot of activities planned for this ASHRAE season. Our committee will be focused. We will continue to promote ASHRAE through guest speakers, technical tours, design competitions and chapter student nights. We have added a few new objectives this year:

- -We are going to begin planning a trip to the 2008 winter ASHRAE meeting in New York City!
- -The student design competition. Please check out the web site or talk to someone on the student activities committee (http://www.ashrae.org/students/page/704).
- -Promote an ASHRAE program called YEA (young engineers in ASHRAE). This is new to ASHRAE this year; for more information please check out the web site, <a href="http://www.ashrae.org/members/page/861">http://www.ashrae.org/members/page/861</a>
- -Reactivate one new student chapter.
- -Career fair to be held January 2007

To make student activities a real success takes the efforts of the whole chapter. Last year several members of our chapter pitched in to help with guest lectures and other tasks. Thanks for all your help last year and thanks in advance for this year's support! If you are interested in getting involved in student activities please feel free to contact any member of our committee or me.

Yours truly, Chris Fudge











Table Top Display

by Christine Kemp 2006-2007 OVC Committee Chair



October's Table Top Display will be courtesy of Walmar Ventilation Products.

They will be featuring their "Plymovent" line, which includes Fire House Vehicle Exhaust, Commercial Vehicle Exhaust & Source Capture Equipment.

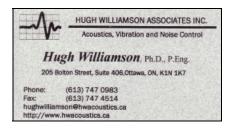


### **Upcoming Satellite Broadcast**

By now you may have heard about the upcoming satellite broadcast entitled "Multiple Benefits Solutions for Enhanced Building Security" scheduled for November 14th. This is a great opportunity for Chapter members, and potential future members, to learn about a number of strategies to improve building security while also increasing energy efficiency, improving indoor air quality and perhaps realize other benefits as well. Please visit the following website for more details: information on PDHs, a promotional flyer, etc: <a href="https://www.ashrae.org/homelandsecuritybroadcast2">www.ashrae.org/homelandsecuritybroadcast2</a>.

Thanks very much and let me know if you have any questions, Andy Persily

Chair, ASHRAE Building Safety and Security Committee











# Student Sponsorship (Adopt a Student Program)

By Glenn MacLean

This year, as with most years, we are encouraging students from Carleton, University of Ottawa, Algonquin, CEGEP de L'Outaouais, and La Cite Collegiale to join us at our monthly meetings. October 17th is Student night, and as such we invite the students to attend our meetings and we pick up the cost of their meals. This is a program we have been offering for some time, and wish to continue to offer in the future. However, as the program becomes more successful it also creates a greater draw on our Chapter funds and resources.

If your company or you personally are interested in sponsoring a students for this month's meeting or future meetings, please contact our Treasurer Imtee Baksh <a href="mailto:imteeb@lonhill.ca">imteeb@lonhill.ca</a> or see him at the check-in table at our monthly meetings. We'll give you your very own student to take home with you...(just kidding). We will give you a receipt for your investment in Student Activities and publish your name or your company's name on our website.

Our chapter and our students thank you for your support.

President-Elect & CRC Alternate



**News Update** 

By Robert Lefebvre

#### **Technical News:**

#### Changes Related to ETS and Ventilation Proposed for ASHRAE 62.1

ATLANTA - Ventilation for smoking areas returns to center stage through a proposed addendum to ASHRAE's Standard 62.1.

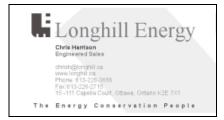
Proposed addendum i will be open for public comment until Nov. 6. To read the proposed addendum and comment, visit <a href="https://www.ashrae.org/publicreviews">www.ashrae.org/publicreviews</a>.

ANSI/ASHRAE Standard 62.1-2004, Ventilation for Acceptable Indoor Air Quality, specifies minimum ventilation rates and indoor air quality requirements for commercial and institutional buildings.

(cont...)







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The proposed addendum removes the existing requirement for an increase to the ventilation rates prescribed in Table 6-1 (and/or an increase in air cleaning) for smoking areas. It also strikes informative language explaining why specific rates for smoking areas cannot be prescribed, adds a reference to Section 5.18 smoking-related separation requirements, and strikes a requirement in Table 6-1, Note 2, to determine smoking-permitted area rates using means other than the table.

"The proposed changes, based in part on recent position statements issued by World Health Organization and the U.S. Surgeon General, reflect the opinion of cognizant authorities that no safe level of environmental tobacco smoke exists," Dennis Stanke, chair of the 62.1 committee, said. "Whether the proposed changes also reflect the opinions of Standard 62.1 stakeholders will be determined during the public review process. The eventual content of the standard depends on the valuable participation of all interested parties."

#### **Sustainability News:**

# PWGSC Minister says future Government Funded Projects to be Energy Efficient, LEED Certified.

Toronto – July 31, 2006. The Federal Buildings Initiative (FBI) is part of Public Works and Government Services Canada's (PWGSC) plan to raise the value of buildings while lowering environmental costs.

Minister of Public Works and Government Services Canada, Michael Fortier, is quoted in the July/August issue of ReNew Canada magazine: "One of the key elements in our efforts to reduce energy and water consumption and recapitalize our current building inventory is the FBI. Projects we've completed under this initiative are saving Canadian taxpayers more than \$6 million annually and are reducing greenhouse gas emissions of our buildings by more than 50,000 tonnes per year."

Fortier said the Ministry will focus on "planning building renovations to be 15 per cent more energy efficient than the Model National Energy Code for Buildings; ensuring new long-term office building leases meet LEED-Canada Gold requirements; and implementing the BOMA Go Green Plus program for operating and maintaining Crown-owned office buildings."

"All new government office buildings constructed for the Crown," said Fortier, "must now meet the Canadian green Building Council's LEED Gold level." New constructions, like a project currently under construction in Charlottetown, will be at least 25 per cent more energy efficient than the Model National Energy Code for Buildings.

Article courtesy of ReNew Canada magazine.

#### Roster:

The 2006-2007 Ottawa Valley Chapter Membership Roster will be available for pick-up at the October Chapter meeting. Please note that only ASHRAE OVC chapter members in good standing are eligible to receive a copy of the roster. Membership has its privileges!











#### **Annual Golf Tournament 2006**

by Cathy Godin Past President 2004-2005

The 2006 ASHRAE Annual Golf Tournament was a roaring success once again this year, in spite of the cloudy day and the on-and-off sprinkles.

- The winning foursome of this best-ball event was Chris Healey, Robert Lefebvre, David McClatchie and Jim Sicliano. Congratulations men on your -10 score! That was an impressive round.
- Longest drive honours went to Peter Pacoriak and Susan Holtam.
- Closest to the pin winners were Aaron Dobson and Barbara Len.
- The traditional Jimmy Moore award went to Andrew Klassen and he downed the "Windex".

Many thanks to all of the participants – without you, this event would pale.

Hole sponsors also deserve our recognition; they were Airtech, Breckmar, TP Crawford, HTS Engineering, Mastron/Nailor, Modern Niagara, Regulvar, Total HVAC, Trane and Walmar Ventilation.

Additional sponsorship in the form of a beverage for each golfer was provided by Longhill Energy and many thanks for a sleeve of balls for each participant, provided by Total HVAC.

It was also much appreciated that so many gifts were dropped off, in spite of the fact that we did not solicit these. If I fail to mention you, it is not by design, but from memory, thanks to Delta T, Engineered Air, HTS Engineering, Hydracorp, SK Sheet Metal, Walmar Ventilation and many others. The raffle of prizes raised \$1,770.00 for ASHRAE Research. This contribution is submitted in the Ottawa Valley Chapter's name and will give the 2006-2007 campaign a great jump start. Finally, many thanks to Stan Millross for his MC duties and for keeping us amused throughout the day and to the Loch March staff and management, who always treat us so well.





Jim Siciliano, P.Eng. Partner/Mechanical Section Head

Committee

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### **ASHRAE at Quebec City-2006**

It was four days of fun and recreation, with just a few hours of work each day – just the mix I like. And best of all, it was paid for by my employer!

I would like to congratulate ASHRAE for an excellent choice of venue for the summer meeting. Quebec city is beautiful at any time of the year, but in summer with three days of clear weather, and just one rainy day, the city was very much at its peak.

We stayed at a downtown hotel, minutes away from the ASHRAE meeting venue. There were five of us from our department alone at PWGSC, and no doubt, many others from NRC, CMHC – all in all, an excellent turn-out from the Government of Canada. There were quite a few other folks from the Ottawa Valley chapter – I spotted Joel Primeau, Jason McMurdo and one or two others.

ASHRAE meetings were well organized and spread out over a vast area at the Quebec Convention Center. There were at least four or five seminars on at any given time, and we really had to pick and choose which ones we could attend. Sometimes, I was just hopping from one meeting to another, trying to find places in this huge labyrinth. It took me two days to find the most important part of the ASHRAE Quebec Convention Center – the members' lounge with its supply of free coffee and treats.

The bookstore was, quite literally, a steal. At one point, I walked out of the store with an ASHRAE User's Manual, before I realized I hadn't paid for it. So, I returned and made the payment – but some others may not have been quite so particular. Next time, ASHRAE should put more volunteers at the doors.

I walked into an ASHRAE Committee meeting, and it was quite an eye-opener. I had always thought that only Government meetings were drab and uninteresting.

The seminars were much more fun – it was very interesting to listen to some of the key persons responsible for many of the ASHRAE Standards and Guidelines that we use in our work almost every day. There were seminars on Ventilation, Air Filtration, Computer Room Air Conditioning, Weather and load calculations, Sustainable Technologies, and, just about every topic of interest to us as HVAC professionals. And we got to ask questions, too, from the very people responsible for these documents.

For me the high point of the technical sessions occurred during a presentation on an ASHRAE Ventilation Standard. One of the speakers – who shall remain nameless – asked the audience:

"How do you think we select the various factors used in our ventilation rate procedure? Do you think we just pull out numbers from a hat, and pass them around the committee until something gets approved?"

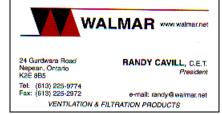
Then, after a deliberate pause, he continued:

"Yes, that is exactly what we do." (Laughter)

(cont...)







(...cont.)

It was a meant to be a joke, of course, but like in all humor, there was a strong element of truth in it. And, probably, this seemingly arbitrary approach applies to many other ASHRAE documents. But it works, as the numbers selected are based on the best judgement of a majority of the committee members and the ASHRAE Standards are indeed accepted all over the world.

We had four to six hours of meetings a day – depending on which activity we chose to attend – and the rest of the time was available for sightseeing. Old Quebec was an easy walk from our hotel, and we explored all the gastronomic pleasures of this fantastic city to our hearts' content. As my wife and I soon discovered, no one does French Onion Soup quite like the cooks of Ouebec City.

Formal dining was good in Quebec City, but the informal meals were even better. For some obscure reason, even Quizmo's tastes better in Quebec City than in my home town! But far and away the best meal we had was the incredible lunch buffet at the revolving restaurant at Hotel Lowes le Concorde. We had this magnificent repast on our last day in Quebec City and drove back to Ottawa contented in mind, body and spirit.



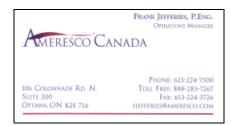


# **Business Card Ads**

by Rod Lancefield

You can support your chapter and promote your business by placing your business card in the Capital Communiqué. It will appear in the electronic and printed version as well as on the Chapter website.

Cost is \$225.00 for the year; contact Rod Lancefield, rodl@htseng.com, (613) 728-7400.











## **ASHRAE CRC**

By Glenn MacLean

What is CRC? ASHRAE is divided into 13 regions throughout North America and the Middle East/Asia. Each region has its Chapters Regional Conference (CRC) once a year to give ASHRAE society a chance to promote/introduce their message and focus for the upcoming season and the years to come. It is also a chance for the chapters to have an audience with the representatives from society to give reports on our local activities, and to discuss issues we see at the chapter level.

There are detailed reports from each chapter describing their successes and failures in all levels of chapter activities - Student Activities, Membership, Technical and Government Affairs (TEGA), Program, Research Promotion, etc. The regional and society representatives offer feedback and support to the chapters, as well as giving their perspective on the topics at hand.

There are workshops organized for each of the committee chairs to attend - to help plan and organize activities for the year. These are geared towards not only promoting ASHRAE, but promoting the local support and participation in ASHRAE. Some of your local members that participated in this year's CRC include:

Darryl Boyce - Government Affairs Liaison ASHRE Canada (Society Representative) Jay Jayaraman - Nominating Committee Alternate (Society Representative)

Glenn MacLean - President/Delegate (Chapter)
Rob Levebvre - Vice-President/Alternate (Chapter)
Jay Doshi - Chair - Membership Promotion (Chapter)
Christine Kemp - Chair - Membership Promotion (Chapter)
Jason Alexander - Chair - Program/CTTC Committee (Chapter)
Niraj Chandra - Chair - TEGA/CTTC Committee (Chapter)
Imtee Baksh - Treasurer - Student Activities Committee (Chapter)

The other main focus of the Conference is to recognize and award the chapters and individual achievements of the various chapter members that helped make ASHRAE the successful organization it is. I will be mentioning the various awards and honors received by the Ottawa Chapter and our members at our meeting in October.

Thanks to all Glenn MacLean

# Past President



#### What You Mused

September 19th, 2006 Chapter Meeting by Harry Fortesque-Smythe O.B.E. Past President 1971-1972 Portmahomack Chapter

My lady wife Peggy and I felt privileged to attend what was most certainly an historic return for our Chapter back to the lovely rooms of the Prescott Hotel, for the first meeting of the Chapter Year. And who could have hoped for a more entertaining setting? Our Chapter's earliest meetings were held at this fine establishment, and I imagine that its appearance has not changed much since then!

The original intention had been to hold the meeting upstairs in the private dining room, but it became apparent early on that the "Antonio's" lounge at ground floor level was available, which afforded our Chapter a larger seating capacity. The social began early and it was wonderful to partake of some good ale, washed down by the entertaining banter of the ever-growing membership. In fact by the time the famous "square pizza" was served, one could hardly move in the place. Peggy went missing after a short while (I assumed she had ducked outside for a fag) and sure enough a slight commotion announced her re-entry to the room. It seemed that she had been sneaking a quick puff in the adjacent outside covered deck, and a rather effete waiter wearing shorts had objected to it.

Dinner proved to be a most sumptuous affair and both Peggy and I tucked into soup, salad, and a large quantity of prime rib. We were seated with Mr. Bob Martel of the Ottawa Mechanical Contractor's Association, who entertained us with his stories about summer parties in Luskville where they regularly fire home-made cannons at chipmunks, pheasants, and just about anything that moves. It reminded me of the stories my old Dad used to suddenly remember from the Big One.

Our speaker for the night was a Mr. Marc Davidson, Professional Development Coach & Speaker, and he did a fine job of trying to make us think about "how to listen" properly. He stressed the importance of listening, as apposed to just rambling on and on, as I am wont. Half way through his presentation I glanced over towards Peggy, who had managed to slip away again. She reappeared twenty minutes later with that young rascal Richard Albert – it seems that they had been in the next room watching hockey on a big screen. This did much to increase her knowledge of the game, while also adding to her level of intoxication. During our drive home later all she managed to say was "Jolly Hockey Sticks" before falling off to sleep.

Yes indeed the visit to the Prescott was a great success, very well attended, and the general feeling was that if the facility had been just a tad larger, it would have made an excellent permanent venue. But alas, there is not enough room for Table Top Displays in that establishment, and we all know how much fun it can be to spill your beer on HVAC equipment!

Harry Fortesque-Smythe O.B.E. *Qualis pater, talis filius* 

\*\*\* end of Communiqué \*\*\*



(your card here!)

