



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

EVENING PROGRAM

DATE: Tuesday **September 15, 2009**. Social: 17:30 Dinner: 18:00 Quiz: 19:00 **Upstairs Room, Cathay House Restaurant, 228 Albert Street, Ottawa**

THEME: **History**

PROGRAM: **Universally Challenged Quiz**

SPEAKER: Quizmaster: **Roderic Potter**,
Official Scorekeeper: **Stephen Lynch**

OVERVIEW: We have a **Trivia Quiz** as the evening Program. While ASHRAE's purists might relish the thought of a quiz with categories such as who invented the refrigerator and why absolute zero is minus 273C, the proposal is to have the following three categories:

1. Music from the 60's, 70's, 80's, 90's
2. Movies
3. Current News Events

This will be a team event and the membership is encouraged to form teams in similar fashion to our regular golf tournament. We envisage **teams of four players**, with a **maximum of 10 teams**. There will be plenty of room for non-team members to observe the quiz and generally shout abuse and throw rubber chickens as appropriate. The quiz will be presented via projector and unreliable laptop. The quiz will be **loud at times** and sensitive ears will benefit from earplugs. Distance eyeglasses are appropriate where required. Note that all members are welcome to participate and "all-star" teams are just as good as company teams. Also note that all members of the Executive and Board of Governors will be eligible to compete because the quiz questions are not published.

Team registrations will be on a first come, first serve basis, up to a maximum of ten teams. Please email your Team registrations, including Team Name, and Team Participants, directly to Stephen.Lynch@directenergy.com ASAP. The cost per team is a \$100.00 and all proceeds go towards ASHRAE research.

Normal dinner cost will apply and all meal plans will be honored. Menu will be a delicious Chinese Food Buffet. Parking is free on city streets after about 17:30 – World Exchange Plaza parking is a block away

Menu

Chinese Buffet

For details please refer to Patrick Albert's article

Chapter Members: \$35.00 Guests: \$50.00

2009 - 2010

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President Elect

Christine Kemp

Treasurer

Stephen Lynch

Secretary

Donald Weekes

Past President

Patrick St-Onge

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Cathy Godin

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Phil Lemieux

Program

Aaron Dobson

Student Activities

Matthew Edmonds

TEGA

Georges Maamari

Chapter Historian

Roderic Potter

Special Events

Chris Healey

Adam Beales

Communiqué

Georges Maamari

Publicity

Jason Alexander

Table Top

Frank Bann

Telephone

Cathy Godin

Greeter

Mike Swayne

Roster

Kevin Toll

Webmaster

Roderic Potter

PAOE

Christine Kemp

Business Cards

Rod Lancefield

Nominations

David Eastwood

CRC Action

Jason Alexander

ROY SAMHABER, P.ENG.
SENIOR PROJECT MANAGER

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President &
CRC Delegate



President's Message

By Jason Alexander, P.Eng.
2009-2010 OVC President

Welcome back from the summer break or what I think was supposed to be summer. Another ASHRAE season is upon us and the Board of Governors, Committee Chairs and I have been hard at work to make this year's season that much better. We have put together an exciting program and will be offering outstanding seminars in the New Year. We have some new social events planned to help bring back the networking ASHRAE meetings used to be.

Meetings this year will continue at the Travel Lodge. The new venue was well received; however there has to be one major change this year. Now I am going to try and do this quick and with as little pain as possible, but we will be raising the cost of meals by \$5 each this year. The new venue came with new costs and if you review the chapter financial summary included in this communiqué, we are just losing too much on each meal. We are trying to be as transparent on this as possible and if anyone has any questions feel free to ask myself or the chapter Treasurer, Stephen Lynch.

I will admit, I found difficulty in deciding what to write for my first Presidential address of this season. It is funny sometimes how the world reveals itself to you; sometimes the pieces just seem to fall into place. For those that remember my talk last season at the May meeting, I spoke of change. I truly believe we are in a very interesting time for our profession. A time full of opportunity, yet uncertainly in its direction and even our roles as designers, engineers, technicians, managers and contractors.

Recently an old copy of an ASHRAE society manual was returned to the chapter from an estate. Upon reviewing, it was the American Society Heating & Ventilating Engineers, Volume 1, dated 1895. An original copy had found its way back to our local chapter! As I poured through the pages I was taken back that our society started with 75 members. About the same as our local chapter meeting attendance!

At first one may think of how times have changed. Imagine all the technological advances we have made since this meeting in 1895. The irony of this manual is that with all the changes and strides humanity has made since 1895 we face the same challenges, fears and endeavor for the same cause. The first ASHRAE President E. P. Bates, President from 1894-1895, said this in his first Presidential address to society, "*There is a wide field open before us, and it yet remains to be seen how we shall occupy it. The child is born, and it gives great promise of a grand future*". He went on to speak of change and how ASHRAE members must band together to establish and maintain our roles in the future that lies ahead.

In today's "green" movement the world is starting to embrace change. We as a society must band together and change with it or risk losing our role in its infancy. This struggle is what all previous ASHRAE members have seen and been a participant in. I call new members to get active and join committees. Any member of the board will be more than happy to help you find a spot that fits your interests and abilities. Take control of your future and have an impact on a much larger scale with the help of 55,000 other members worldwide. Together we can maintain our role in this global change, and truly one person can change the world. The child is born, and it gives great promise of a grand future.

Looking forward to seeing you all this year,
Jason Alexander, P.Eng.
2009-2010 OVC President



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President-Elect &
CRC Alternate



What you missed at our May 2009 meeting

By Christine Kemp
2009-2010 President Elect

The night's theme was History / Companions / Past Presidents

The Tour was of the Library and Archives Canada – Preservation Centre in Gatineau.

The table tops at the May 2009 meeting were **HTS – TEMPEFF** – Dual Core Energy Recovery Ventilators & **LG Electronics – LG Multi** – simultaneous heat/cool systems utilizing variable flow refrigerant.

Joel Primeau introduced the attending Past Presidents. It was a great turn out of an impressive group of people.

Robert Lefebvre awarded the Al Oakes Award of Excellence to Stephen Lynch for all of his hard work with Student Activities and his extra efforts as Treasurer. Robert Lefebvre also awarded the Anniversary Award to Frank Vaculik.

Paul Baker spoke very kindly of his friend Wallace Loyd Algie who had recently passed away.

Tom Chiykowski handed out the TEGA awards and thanked Bob Kilpatrick and Frank Vaculik for all of their help.

- CD Howe bldg. – 240 Sparks - David Landsberg – Dessau
- Winchester Hospital - Jim Siciliano – R.J. McKee Engineering
- MTO (Kingston) – Kashyap Desai – Stantec
- U of O – Guidon Hall - Mike Swayne – JP2G

David Eastwood performed installation of officers for 2009 – 2010

- President – Jason Alexander
- President Elect – Christine Kemp
- Treasurer – Stephen Lynch
- Secretary – Don Weekes
- Board of Governors – Patrick Albert, Georges Maamari, Steve Moons & Frank Bann

The Evening Program was Maintain to Sustain – Delivering ASHRAE's Sustainability Promise. The Speaker was William A. Harrison, 2008-2009 ASHRAE Society President. This year, he is asking members to focus on the operation of high-performance buildings. Many building with great designs fade from green to grey when building operators don't understand how to realize the full potential of the energy conserving systems they manage. Terry Townsend promised the world that our society would lead the advancement of sustainability and Bill Harrison's theme, maintain to Sustain – Delivering ASHRAE's Sustainability Promise, will challenge ASHRAE produce the tools required to deliver on that promise after construction is complete and the contractor has left the site.



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Membership

By Philippe Lemieux
2009-2010 OVC Membership Promotion Chair

On behalf of all of our members I would like to welcome the following individuals which have recently joined the ASHRAE Ottawa Valley Chapter:

Mr. Samir Firfire
Mr. Russell Smiley
Mr. Curtis Stone
Mr. Robin Joyce
Mr. Timothy Donald Prue

Mr. Marc Lefebvre
Ms Mail Nguyen
Mr. Tristan Tuyens
Mr. Henry Quesnel
Dr. Zuraimi Sultan,

Ms. Barbra MacQueen,
Mr. Chris Jarret
Mr. James Alexander
Mr. Alan Mackenzi
Mr. Eric Cameron.

Thank you all for joining our chapter. Let's make them feel at home at our September meeting.

Phil Lemieux



ASHRAE Golf 2009

By Chris Healey

The 2009 ASHRAE Golf Tournament Committee would like to thank all Participants and Hole Sponsors for a very successful event this past June. Once again the ASHRAE Golfing Community had a great day of ASHRAE fellowship and has made a very significant contribution to ASHRAE Research.

Congratulations to the winning team of Stephen Lynch, Frank Jefferies, Patrick St-Onge and Victor Deveau (can you say Ringers!)

The weather was fantastic again this year, our Volunteers smoothed over all the little things and the Staff at Loch March were as always most accommodating and served us another wonderful buffet dinner.

Special thanks to Patrick St-Onge for the very tasteful selection of prizes and to Stan Millross for his quick paced and witty after dinner raffle. As urged by the Membership, both of these Gentlemen were committed to speeding up the after dinner prize process and were very successful at doing so.

No date and time for next years event yet, but we will keep everyone informed.

As always we welcome your suggestions to improve the event and look forward to seeing you in the summer of 2010.

Chris Healey




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President &
CRC Delegate



2009-2010 September Communiqué Chapter Regional Conference (CRC) Summary

By Jason Alexander P.Eng.
2009-2010 OVC President

Every year the ASHRAE chapters within Region II attend a Chapters Regional Conference (CRC). Each year the CRC is hosted at one of the chapters in the region and this year's event was hosted by the Windsor Chapter from August 21st to August 23rd. The Ottawa Valley Chapter was represented by: Jason Alexander-Delegate, Christine Kemp-Alternate, Patrick St. Onge-Research Promotion Chair, Phil Lemieux-Membership Promotion Chair, Matthew Edmonds-Student Activities, Aaron Dobson (Program Committee) and George Maamari (TEGA) representing the TEGA committee. The Ottawa Valley Chapter was also represented at the Regional level by Joel Primeau - Student Activities RVC and Cathy Godin - incoming Membership Promotion RVC. Darryl Boyce was also attending for ASHRAE Research Canada. Stephen Lynch was also in attendance as the Ottawa CEO (Chief Entertainment Officer).

The Windsor chapter hosted the CRC at the Caesar's Palace Windsor Hotel and Casino. The CRC is an opportunity for new and past committee chairs to attend workshops on their upcoming position and duties. Each workshop is generally overseen and presented by the RVC for that specific committee. The other purpose of the CRC is the Regional business sessions and caucus. The Regional business session was open to all and is where the chapter Delegates get to review and vote on upcoming ASHRAE Society changes, report on chapter activity and changes for the past year and present motions to be reviewed at the Society level. The caucus business session is closed and only the Delegate and Alternate along with the society nomination committee can attend. During this closed business session nominations for various positions are made to society, discussed and voted upon.

The Ottawa Valley Chapter presented our chapter summary report to all the other chapters during the business session. The report is a summary of where we were one year ago to where we are today. Our OVC has 28 more society assigned chapter members yet saw a decrease of 26 paid chapter members. We saw an increase in the number of new student members and the establishment of a new student branch at the Algonquin College. The average attendance was up slightly this year to 67, mostly due to the change in venue and the outstanding program. We hosted two ASHRAE learning institute seminars, which were well received. We meet PAR on all our PAOE points categories and well exceeded our ASHRAE research goal of \$18,500.00 raising \$23,459.00. Our great success in raising funds for ASHRAE research earned Robert Lefebvre (Research promotion chair 2008-2009) a certificate of achievement for the High Five Challenge along with the Full Circle Award. There were some concerns with the chapter financial report. The chapter is losing money and further explanation can be seen in the financial report summary in the Communiqué.

The big announcement the ASHRAE OVC has been waiting for was made public! The announcement of the society Lou Flagg award winner, our very own Rod "Cheeky" Potter (History Chair). Rod has put in tremendous effort and time in chronicling the OVC history documents and scanning them for records. He then created a very extensive history section of our website and includes information back until two years before our chapter establishment by society. Great job Rod! The award is well deserved. The award will be presented at the annual winter society meeting January 23-27 in Orlando, Florida. Next year's CRC is being hosted by the Halifax Chapter in August 2010.

Jason Alexander, P.Eng.
ASHRAE Ottawa Valley Chapter
2009-2010 President

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Committee
 Chair



Student Activities: A Look Back at a Rising Star and a Look Forward at This Years Student Activities

By Matthew Edmonds
 2009-2010 Student Activities Chair

****Please note that no current picture of Matt was available. We therefore used a state of the art age enhancing software to get an updated picture****

One of last year's focuses for Student Activities was the ASHRAE Student Design Competition, and I think it is very important to recognize the effort and accomplishments of the Algonquin College team who entered the "System Design Category" of the competition for the first time. While the competition was stiff and the winning teams were from schools that consistently place in the top 3, the Algonquin College team received and Honourable Mention and was awarded the Rising Star Award which is given to a team who has never placed in the top 3 of any part of the student design competition. The award is a tremendous honour for the College, and a testament to the ability and ingenuity of the students our education system is producing. None of this of course could be accomplished without the efforts of the team mentor Chris Frauley from R.J. McKee who volunteered his time throughout the year.

On to a new ASHRAE season for student activities, and things are already moving full steam ahead. First, the 2010 Algonquin College team has already collaborated and are set to hit the ground running with this year's design competition. We are still looking for mentor's to spend approximately 1 hour per month with the students and assisting them to put together another stellar production. Second, we are already working with CEGEP de l'Outaouais to set up a new student branch.

Returning from the CRC the feedback this year is more focus on K-12 involvement, and in particular grades 6 through 9 where we can raise the students' awareness of engineering before they have committed and progressed too far down an educational path to realistically consider engineering as a profession.

Promoting K-12 can be a daunting effort, but there are simple ways of getting the word out and helping your chapter with recognition in this area;

- National Engineering Week: Occurs in the end of February. Contact your local PEO chapter and get involved. <http://www.engineeringweek.on.ca/>
- Students at Work Day: Get involved in coop or work days that give students a chance to see what our industry is like.
- In-School Activities: I have been provided a list of several activities that can be performed at school which are easy and generate conversation. There is no need for dry presentations to uninterested teenagers. Contact a science teacher or a principal and volunteer ½ hour of your time.

If you do participate in any of these fantastic endeavours, advise your student activities chair. As a chapter we are recognized for our chapter's ability to promote ASHRAE and engineering to K-12 students. Let's spread the word...

Finally, while taking on the role of student activities chair this year, I am also endeavouring to take student activities to a new level. While we are off to a good start, there are lots of exciting roles to be filled and we are looking for a few more motivated people to join the team. Please contact Matthew Edmonds for more information.

As with all other monthly meetings, we encourage individuals or companies to support a student through sponsoring their meals. Please let the greeters at the front know that you would like to sponsor a student for the night. If you would like to sponsor student meals throughout the year we will recognize your contributions by issuing you a receipt for your investment

in Student Activities, publish your name and/or company's name on our website, and include you in our list of previous donors in the Capital Communiqué

Thank you for your support,
Matthew Edmonds

More student related information from ASHRAE:

Check This Out:

ASHRAE Student Zone: Scholarships and Grants to Careers and Internships... <http://www.ashrae.org/students/>

ASHRAE Scholarship Program
<http://www.ashrae.org/students/page/1271>

16-40-40 – Don't know what it is? Every Student Should!

<http://www.ashrae.org/students/page/703>

Dates to remember:

ASHRAE Student Night – Tuesday, November 17th: Sponsor a student's dinner and introduce them to ASHRAE and the Ottawa Valley Chapter.

ASHRAE Career Fair '09 – Tuesday, March 16th: We need promotion to Schools as well as industry support. Sign-up for your booth today!

Undergraduate Engineering Scholarships

Application Deadline: Dec. 1

Scholarships are awarded for the academic year following the application deadline beginning with the fall semester. Re-applications accepted from former scholarship applicants and recipients.

Available to full-time undergraduate engineering or pre-engineering students pursuing a Bachelor of Science or Engineering degree in a course of study that traditionally has been a preparatory curriculum for the HVAC&R profession. Applicants must be enrolled in a program or accepted to a post-secondary educational institution that meets at least one of the following criteria:

- the institution hosts a recognized ASHRAE student branch (www.ashrae.org/students)
- the program is accredited by the Accreditation Board for Engineering and Technology (ABET) in the USA (www.abet.org)
- the program is accredited by an agency outside the USA that has signed a Memorandum of Understanding with ABET or The Washington Accord (www.abet.org)

Applicants must have a cumulative Grade Point Average (GPA) of at least 3.0 on a scale where 4.0 is the highest and/or a class standing of no less than the top 30% and submit the following in one envelope postmarked by the application deadline.

1. Completed application in English.
2. Official transcript of college grades (if college grades are not available by the application deadline, submit high school grades and verification of enrollment in or letter of acceptance to a post-secondary educational institution.)
3. A letter of recommendation from an instructor or faculty advisor, a current or past employer, and another character reference. In the case of institutions with an ASHRAE student branch, include a letter from the faculty advisor of that branch (may be one of the three letters of recommendation). Comments from the Student Activities Chair of an ASHRE chapter, if one is within reasonable distance of home or school following an interview with the applicant, are strongly recommended and may be submitted electronically.

For a list of schools with an ASHRAE student branch or accrediting agencies recognized by ASHRAE for the purpose of granting a scholarship, click on the links provided or contact Lois Benedict at lbenedict@ashrae.org or 404-636-8400 (ext. 1120).

\$10,000 Undergraduate Engineering Scholarships

- **Willis H. Carrier Scholarships** — Two one-year \$10,000 undergraduate engineering scholarships available annually. Scholarship was established by The Carrier Corporation in memory of its founder, who's known widely for his numerous and significant contributions to establishing air conditioning as an industry. Carrier installed the world's first scientifically designed air conditioning system in 1902
- **Reuben Trane Scholarships** — two-year \$10,000 undergraduate engineering scholarships awarded \$5,000 per year over two years. Scholarship was established in memory of The Trane Company founder, an engineer, inventor & business executive, whose manufacturing enterprise ranks today as one of the world's largest in the HVAC&R industry.

\$5,000 Undergraduate Engineering Scholarship

- **Frank M. Coda Scholarship** — a one-year \$5,000 undergraduate engineering scholarship available annually. Scholarship was established in memory of former ASHRAE Executive Vice President, who served the Society from 1981-2004.

\$3,000 Undergraduate Engineering Scholarships

- **ASHRAE General Scholarships (2)**
- **ASHRAE Memorial Scholarship (1)**
- **Alwin B. Newton Scholarship (1)**
Scholarship was named for an industry pioneer, who was granted 219 patents.
- **Duane Hanson Scholarship (1)**
Scholarship is named after the president of Gayner Engineers, a consulting mechanical/electrical engineering firm in San Francisco, California.
- **Henry Adams Scholarship (1)**
Scholarship was established by Henry Adams, Inc, a consulting firm based in Baltimore, Maryland, in memory of its founder, a charter member and sixth president of ASHRAE's predecessor society, ASHVE, in 1899.

Undergraduate Engineering Technology Scholarships

Application Deadline: May 1

Scholarships are awarded for the academic year beginning with the fall semester following the application deadline. Re-applications accepted from qualified former scholarship applicants and recipients

Applicants must have a cumulative Grade Point Average of at least a 3.0 on a scale where 4.0 is the highest and/or a class ranking of no less than the top 30% (evidenced by an official transcript of grades or statement from a school administrator) and meet all other basic criteria.

Engineering Technology Scholarship (3)

One-year \$3,000 scholarships available annually to full-time undergraduate Engineering Technology students enrolled in or accepted to a post-secondary educational institution for a bachelor degree or an associate degree and pursuing a course of study, which has traditionally been a preparatory curriculum for the HVAC&R profession, provided one of the following criteria is met:

- the institution hosts a recognized ASHRAE student branch (www.ashrae.org/students)
- the program is accredited by the Accreditation Board for Engineering and Technology (ABET) in the USA (www.abet.org) or an equivalent agency outside the USA that is a signatory of The Sydney Accord <http://www.washingtonaccord.org/sydney/sydneylinkages.cfm>
- the program is accredited by the Partnership for Air Conditioning, Heating, Refrigeration Accreditation (PAHRA) (<http://www.pahrahvacr.org/>)

For a list of schools with an ASHRAE student branch or accredited programs recognized by ASHRAE for the purpose of granting an Engineering Technology Scholarship, click on the links provided above or contact Lois Benedict at lbenedict@ashrae.org or 404-636-8400 (ext. 1120).

Continued...

Applicants must submit the following with the application completed in English in one envelope and postmarked by the application deadline:

1. Official transcript of college grades (if college grades are not available by the application deadline, submit high school grades and verification of enrollment in or letter of acceptance to a post-secondary educational institution.)
2. A letter of recommendation from an instructor or faculty advisor, a current or past employer, and another character reference. In the case of institutions with an ASHRAE student branch, include a letter from the faculty advisor of that branch (may be one of the three letters of recommendation). Comments from the Student Activities Chair of an ASHRE chapter, if one is within reasonable distance of home or school following an interview with the applicant, are strongly encouraged and may be submitted electronically.



What's on the Menu

By Patrick Albert
2009-2010 OVC Governor

Don't eat for a week! The Cathay Restaurant is cooking up a Chinese delight for us; here are the buffet items:

- Hot & Sour Soup
- Chicken Noodle / Wonton Soup
- Egg Rolls & Spring Rolls (vegetarian)
- Crispy Chicken Wings
- Buddha's Delight Vegetables
- Pork Dumplings with spicy soya sauce
- Honey Garlic Spare Ribs
- Sweet & Sour Chicken Balls
- Singapore Style Vermicelli
- Vegetable Chop Suey
- Sesame Chicken or Seafood item
- Shrimps in black bean sauce
- Fried Rice & Steam Rice
- Almond & Fortune Cookies

Bring your appetite; there will be lots of food and lots of fun!

See you at the Cathay Restaurant!



Table Top Displays

By Frank Bann
2009-2010 OVC Governor

What better way to display your new product, existing line or share a great idea than to have a table top at our local Chapter meeting. It's a captured audience in the industry and your guaranteed to get exposure to 60-80 people.

Book you table top today!

Table tops for the 2009 OVC ASHRAE Chapter meetings:

Sept. 15th, 2009 (no table tops)
Oct. 20th, 2009
Nov. 17th, 2009
Jan. 19th, 2010

Feb. 16th, 2010
Mar. 16th, 2010
Apr. 20th, 2010
May 18th, 2010

Cost for table tops this year is \$200 paid to "ASHRAE Ottawa Valley Chapter"

Send to:

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1749 Woodward Dr., Ottawa, Ont. K2C 0P9
Attn: Frank Bann

Invoices will be sent out prior to meeting. Contact: Frank Bann @ fbann@gwal.com or Tel: (613) 727-5111 Fax: (613) 727-5115

Spaces are filling up quickly, so book today!

The ASHRAE OVC Chapter and its board thank you for your continued support. Getting involved builds a better Chapter.

Thanks



Fiscal Year report – July 1st 2008 to June 30th 2009

By Stephen Lynch
2009-2010 OVC Treasurer

As per the attached Fiscal Year Profit & Loss Report (PnL), ASHRAE Ottawa Valley Chapter is showing a (\$8,469.82) loss this year. This is a result of quite a few factors:

- Introducing Merchant Services to accept credit cards. Merchant services cost is a one time cost. Some additional fees occurred that were not anticipated.
- Changing the way the chapter reports fiscal year. The reporting through QuickBooks does not normalize for activities that occur in the specific fiscal year.
- The true cost of the meals at monthly meetings is not covered by membership meal costs. The true cost for the meals is \$35 based on a minimum 50 people.
- Members committing to the monthly meetings and not showing. The Chapter notifies the venue of the numbers attending before the monthly meeting based on feedback from the membership. The Chapter pays for this number whether or not we have the correct amount of attendees

The normalized Net Income number on the Fiscal Year Profit & Loss Report is:

Fiscal Year 2008-2009	Amount
Fiscal Year PnL Report	-\$8,469.82
	-\$8,469.82

Fiscal Year 2007-2008 Normalizers	Date	Amount
ASHRAE Research Canada	Jul-08	\$3,258.00
ASHRAE Research Curling	Jul-08	\$205.00
BOG - Program Meeting	Jul-08	\$448.91
Photographers	Aug-08	\$562.74
		\$4,474.65

Normalized Fiscal Year 2008-2009	-\$3,995.17
-----------------------------------------	--------------------

Fiscal Year 2008-2009 Over-run Costs	
Monthly meals	\$8,795.13
Merchant Service Start-Up	\$737.09

Unrecognized funds that will be recognized for next fiscal year as a result of late payments:

- Seminar 90.1 (Deposit was completed in July 09)
- Career Fair (Most Deposits were completed after fiscal year)
- Table Top (Most Deposits were completed after fiscal year)
- Business Card Advertising (Most Deposits were completed after fiscal year)
- Deposits missed in fiscal year is a result of late payments



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Governor



TEGA
 By Georges Maamari
 2009-2010 OVC Committee Chair

Hello everybody, and a warm welcome from the TEGA committee. I am very happy and excited to be chairing this committee for the first time this year. Before getting into the New Year, I would like the chapter to recognize some of the TEGA submissions we received last year. This year the Ottawa Chapter received several impressive entries for the TEGA Awards and had lots of success at the Regional level.

Residential New :

- 1st place: LeBreton Flats – **Kayshap Desai - Stantec**

Institutional, New:

- 2nd Place: Laboratory Expansion – **Mike Swayne – JP2G**

Institutional, Existing:

- 2nd place: NRC Chiller Plant Upgrade – **Kayshap Desai – Stantec**

Commercial, New:

- Honorable Mention: Constitution Square Ph 2 by **Jim Sciliano – R.J. McKee Engineering**

Commercial, Existing:

- 2nd place C.D. Howe Building Mechanical Modernization by **David Landsberg - Dessau**

The TEGA Awards are an excellent way for the Chapter, companies and individuals to gain visibility and to display some of the innovative designs coming from this design community.

Please consider submitting an application. The one page form can be found on the Chapter website. We would like to see all submissions entered by the end of March. Should you have any questions please contact me.

Thanks,
 Georges Maamari

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Governor



News Update

By Georges Maamari
OVC Governor

Technical News:

Role of HVAC&R Systems in Infectious Disease Transmission Addressed by ASHRAE

August 31, 2009

ATLANTA – As health and school officials deal with a second wave of the H1N1 virus, commonly referred to as swine flu, new information is available on health consequences of exposure to such airborne infectious diseases and the implications on the design, installation and operation of HVAC&R systems.

“While the long-standing public health view is that influenza transmission occurs through direct contact or large droplets, newer data suggests it also occurs through the airborne route, meaning HVAC&R systems may contribute far more to transmission of the disease and, potentially, to reduction of that same transmission risk,” said Gordon Holness, president of the American Society of Heating, Refrigerating and Air-Conditioning Engineering (ASHRAE) that developed the guidance.

ASHRAE’s *Airborne Infectious Diseases Position Document* addresses the impact of ventilation on disease transmission, the disease for which ventilation is important for either transmission or control and the control strategies that are available for implementation in buildings. The paper can be read at www.ashrae.org/positiondocuments.

Since the first reported case in the spring of 2009, the H1N1 virus has spread to nearly 170 countries, resulting in 1,154 deaths and some 160,000 illnesses. With a better understanding of ventilation’s effect on the transmission of disease, future incidents of the H1N1 virus may now be easier to prevent, according to Holness. He said several technical solutions are available to assist in avoiding transmission. These include: dilution ventilation, airflow strategies, room pressurization, personalized ventilation, source control, filtration and ultraviolet germicidal irradiation.

Airborne transmission through building ventilation systems can be significantly reduced by provision of adequate air filtration and pressurization, Holness said. ASHRAE’s other guidance of relevance includes Standard 170, *Ventilation of Health Care Facilities*, and Standard 161, *Air Quality Within Commercial Aircraft*.

Sustainability News:

Existing Buildings Highlighted at ASHRAE Meeting

ATLANTA – The need to improve the energy efficiency of existing buildings was highlighted at the ASHRAE 2009 Annual Conference held in Louisville.

At the meeting, ASHRAE launched the prototype of its Building Energy Quotient building energy labeling program, introduced a year-long focus on existing buildings and kicked off the Society’s most highly anticipated certification program to-date, Commissioning Process Management Professional.

(cont...)

Some 1,530 attendees came together to support the Society's mission of advancing HVAC&R to serve humanity and promote a sustainable world.

"In these economic times, dollars for new construction have dwindled," said Gordon Holness, ASHRAE president. "Given that more people are renovating than building new, now is the perfect time for ASHRAE to focus on reducing energy consumption in existing buildings to save money and reduce carbon emissions."

Gordon Holness, P.E., Fellow ASHRAE, Life Member, was inducted as the Society's president for 2009-10. Through his presidential theme, *Sustaining Our Future by Rebuilding Our Past*, Holness addresses energy efficiency in existing buildings.

"The vast majority of buildings that will exist in the year 2030 exist today," Holness said. "If we are to have a material impact on overall energy use, it is through renovation of existing building stock. While existing buildings present greater challenges, they offer us a greater opportunity to significantly impact our overall national energy demand, reduce our dependence upon imported oil and gas and minimize our carbon footprint. If ASHRAE is looking to build a sustainable future, we can set the foundations of that right now." To read his presidential address, visit www.ashrae.org/holness.

The Society launched its Building Energy Quotient program, known as Building EQ, which will include both asset and operational ratings for all building types, except residential. ASHRAE is working with major real estate developers to implement the label prototype this fall with a widespread launch of the full program in 2010. For more information, visit www.buildingeq.com.

ASHRAE Learning Institute courses related to sustainability and high-performance building design were top drawers, including *Basics of a Proposed Standard on High-Performance Green Buildings (Standard 189.1)*, *Engineering for Sustainability: Understanding Air-to-Air Energy Recovery Technology and Applications*, and *The Commissioning Process and Guideline 0*.

Top-attended technical program sessions included the poster session; *Adapting Buildings and Cities for 3°C of Climate Change; To LEED or not to LEED: What are the IAQ and Energy Implications?; Proper OA Design Criteria for Sustainable Design and Efficiency; Real World BIM for the HVAC Engineer; Cities Are Not Sustainable: A Debate; Defining the Contribution of Fans in Achieving the Goals of ASHRAE Standard 90.1; Design of Hybrid Ground Source Heat Pump Systems; Optimizing of DX-DOAS Systems; How to Make Your Sustainable Building Work; Use of Liquid Desiccants for Improved Air Quality and Ventilation Air Energy Savings; Energy Efficiency and Application of Water to Water Heat Pumps in Residential Installations; Back to Basics - Motors and VFDs; Cooling of Telecom Centers; Free Cooling Opportunities for Data Centers; Avoiding Moisture and Humidity Problems During Part-Load Hours; Design Tools for Modeling Hybrid Geothermal Heat Pump (GHP) Systems; Energy Modeling for Large Building Systems; Successes and Challenges of Sustainable Building Metrics Implementation; and Is 30% More Outdoor Air Really Better?*

Top-selling publications at the meeting were Guideline 0-2005, *The Commissioning Process*, Guideline 1.1-2007, *HVAC&R Technical Requirements for the Commissioning Process*, the *ASHRAE Pocket Guide*; ANSI/ASHRAE/IESNA Standard 90.1-2007, *Energy Standard for Buildings Except Low-Rise Residential Buildings*, and its *User's Manual*; the *Load Calculations Applications Manual*; and *Best Practices for Datacom Facility Energy Efficiency*, second edition. For more information on these books and more, please visit www.ashrae.org/bookstore.

ASHRAE also launched its fourth certification program, Commissioning Process Management Professional, with some 80 people taking part. The examination will be available on computer at testing centers around the world by the end of August. For more information, visit www.ashrae.org/CPMP.

At the meeting, the Host Committee displayed its sustainability footprint project - designed to leave behind a lasting sustainable footprint in the cities where the Society's meetings are held. Thanks to funds and equipment donated by members and others, 2 kilowatt of photovoltaic panels with an inverter to supply electricity was installed at Jeff Street Baptist Community at Liberty in Louisville. The church is part of the Louisville Kilowatt Crackdown program, which is a competition that promotes energy conservation within the business district of Louisville. ASHRAE will hold its 2010 Winter Conference, Jan. 23-27 in Orlando, accompanied by the AHR Expo, Jan. 25-27.



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