



# 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](mailto:contact@ashrae.ottawa.on.ca)

### 2010 - 2011

#### President

*Christine Kemp*

#### President Elect

*Stephen Lynch*

#### Treasurer

*Donald Weekes*

#### Secretary

*Roderic Potter*

#### Past President

*Jason Alexander*

#### Governors

*Patrick Albert*

*Steve Moons*

*Frank Bann*

*Paul Baker*

*Georges Maamari*

#### COMMITTEES

##### Audit

*Cathy Godin*

##### Research Prom.

*Jason Alexander*

##### Membership

*Adam Moons*

##### Program

*Aaron Dobson*

##### Student Activities

*Matthew Edmonds*

##### TEGA

*Georges Maamari*

##### Chapter Historian

*Roderic Potter*

##### Special Events

*Chris Healey*

*Cathy Godin*

##### Communiqué

*Patrick Albert*

##### Publicity

*Jason Alexander*

##### Table Top

*Frank Bann*

##### Telephone

*Cathy Godin*

##### Greeter

*Mike Swayne*

##### Roster

*Steve Moons*

##### Webmaster

*Roderic Potter*

##### PAOE

*Christine Kemp*

##### Business Cards

*Rod Lancefield*

##### Nominations

*Robert Kilpatrick*

##### CRC Action

*Darryl Boyce*

**DATE:** Tuesday **May 17, 2011**. Social: 17:30 Dinner: 18:30 Program: 20:00  
Travelodge Ottawa Hotel & Conf. Centre, 1376 Carling Ave, Ottawa, Ont., 613- 722-7600

**THEME:** **History**

**PROGRAM:** **Hospital Filtration Systems and Airborne Contaminant Control**

**SPEAKERS:** Brian Monk, P.Eng., ASHRAE DL

**OVERVIEW:** Health Care facility air conditioning plays an important role in patient therapy by controlling airborne microorganisms, viruses, and hazardous chemicals that may be present in the indoor environment. The nature of the health care environment requires that special attention at the design stage be considered to limit air movement between departments, dilute or remove air borne contaminants, and recognize that temperature / humidity conditions may vary in areas within the same building. Health Care HVAC designers must consider the control of airborne infectious disease, room pressure relationships, and Outdoor Air Requirements (ASHRAE Standard 62.1) to meet Health Care Facility IAQ concerns. Complicating the dilution strategy are ASHRAE Standard 90.1 guidelines calling for higher efficiency in LEED / High Performing Building Design. The presentation will focus on infection sources, control measures, air movement and proper filtration techniques that can be designed into the building's air handling system. An overview of anti-microbial construction techniques as they apply to HVAC will also be discussed.

**BIO:** Brian Monk is Vice President of Annexair Inc., Montreal, Canada, specializing in design and manufacturing of dedicated outdoor air systems with energy recovery. Previously Mr. Monk was Director of Sales / Marketing for Carrier Corporation's custom air handling division. During this period Mr. Monk was also an instructor for Carrier University's Sustainability Symposiums under the International Association for Continuing Education and Training (IACET) program which provides CEU Credit for Professional Engineering Licensure in the USA. From 1997 to 2005, Mr. Monk was the Vice-President of Sales / Marketing for Dectron International Inc., specializing in the manufacturing of dehumidification / molecular filtration systems for commercial and industrial environments. His primary responsibilities were to establish and maintain a sales distribution network throughout the Americas', Middle East and Europe. His academic background comprises of a college degree in Applied Science (Building Systems Engineering Technology) from Vanier College of Montreal and a Bachelor of Building Engineering from Concordia University of Montreal. He is a Registered Professional Engineer with the Province of Quebec, Canada, and the Association of Professional Engineers and Geoscientists of British Columbia, Canada. Mr. Monk is an ASHRAE Distinguished Lecturer, Member of Committee TC 2.3 Gaseous Air Contaminant Removal Equipment, and TG HVAC Security. He is also Part-Time Professor at Concordia University, Montreal, Canada, in the Faculty of Building, Civil and Environmental Engineering.



### May Meeting Menu

Assorted Rolls and Butter with Cream of Leek and Potato Soup  
Roasted Turkey with Traditional Stuffing and Gravy Served with Roasted Potatoes and Seasonal Vegetables  
Lemon Meringue Pie with Raspberry Coulis  
Coffee & Tea  
Chapter Members: \$35.00 Guests: \$50.00



## President's Message

by Christine Kemp  
2010-2011 OVC President

### This meeting's theme is: History / Companions / Past Presidents

In my first presidential address, I said "Wow...I made it!!" I feel that now more than ever. I was proud to become President and I'm even more proud to be among the distinguished group of Past Presidents.

I hope that all of our Past Presidents and their guests will be able to attend the May meeting. I look forward to seeing you all there.

What a great year, I have so many people to thank. They all played a very important role to ensure a successful year. Thank you to all the Board of Governors, Executive and committee chairs. The students really stepped up to the plate this year, their attendance was strong, and thanks to all who sponsored their meals. All of our events this year were also a huge success. The Career Fair organized by Matt Edmonds brought in approximately 100 students. The Curling Bonspiel organized by Chris Healey went off without a hitch and we were able to raise money for a good friend in need. Our first Bowling night organized by Steve Moons was a blast, I hope this turns into an annual event. And of course we are all looking forward to the Golf tourney being organized by Andrew Douma. Pictures of all of these events can be found on our website which is constantly updated by our Rod Potter. [www.ashrae.ottawa.on.ca](http://www.ashrae.ottawa.on.ca)

Attendance at the monthly meetings was great this year. I'd like to think you were all there because of me, but truth being told it was the well planned program and the ongoing technical sessions. I have never seen so many people come to our technical sessions. Joel Primeau did a fantastic job presenting his HVAC Boot camp. Thanks Joel, you really brought a lot to these meetings and I appreciate it.

Last but not least, I would like to thank Walmar Ventilation Products for standing by me and allowing me the time needed to put towards this commitment.

I wish all the best for our incoming President, Stephen Lynch.





## What You Missed – April Meeting

by Rod Potter  
Secretary, Chapter Historian, Gopher and Webmaster

The meeting took place at the Travelodge Hotel and Conference Center on Carling Avenue in Ottawa, in the Greenery Room upstairs.

Joel Primeau provided another technical session prior to the social hour. This month's topic was "Chilled Water Systems", and compressor types were a sample subject. This technical session was originally planned to be "Psychrometrics" but that topic has now been postponed until the new chapter year because it would require two sessions back-to-back. Attendance was in the order of 20 people, and again Christine Kemp stepped up as photographer.

The business session started with President Christine Kemp introducing the Board of Governors and Executive, followed by Secretary Rod Potter who introduced the guests for the evening. Membership Chair Adam Moons announced three new chapter members: Greg Terry, Heather Knudsen, and Dan Angers. President Christine Kemp reminded the membership that our Chapter is always looking for people to sponsor Student Meals.

Nominations Committee Chair Bob Kilpatrick announced the nominations for the next chapter year as follows:  
*President:* Stephen Lynch; *President-Elect:* Don Weekes; *Treasurer:* Rod Potter; *Secretary:* Steve Moons; *Governors:* Paul Baker, Georges Maamari, Peter Paciorek, Abbey Saunders, and Chris Fudge.

Andrew Douma spoke about the upcoming Golf Tournament which will be held at Loch March on June 9<sup>th</sup> 2011, and he mentioned that sponsorships are still available.

That young rascal David Mills spoke about Joel Primeau's technical session. Apparently he enjoyed it so much he was lost for words.



Dave Eastwood, Christine Kemp, and Robert Riddell



David Mills lost for words

Past-President Cathy Godin oversaw the raffle ticket sales for the Ticket Giveaway Draw (courtesy Walmart). This month the tickets were for the upcoming Bon Jovi concert!

TEGA Chair Georges Maamari announced achievements at the Chapter Level:

- 1<sup>st</sup> Place Residential – Andrew Macdonald – NORR – for the redevelopment of Beaver Barracks on 424 Metcalfe.
- 1<sup>st</sup> Place Existing Commercial – Kashyap Desai – Stantec – Yardmen Arena Chiller Plant Upgrade in Belleville.

Governor Steve Moons spoke about the fine Total HVAC tabletop display which he manned with his colleague Ed Cassidy.

The Bon Jovi Ticket Draw was overseen by President Christine Kemp – it was won by Past-President Frank Vaculik, who promptly passed them over to David Mills. This draw earned \$260 for ASHRAE Research. Rumour has it that Frank thought about giving the tickets to Bob Kilpatrick, but Bob would have preferred a hockey game, so David won the day.

### **Evening Program - Green Codes & Standard 189.1**

Presenter Kent Peterson explained that the Standard 189.1 movement started about 5 years ago and many groups were involved in its conception, including LEED, Green Globes, engineers, and architects. The Green Building Council was started in 2006 and at its peak there were 41 people on the project committee. There were 4 public reviews resulting in about 2000 feedback comments. Following are highlights of his speech and the Standard:

- If followed, the Standard will reduce the environmental impact of building use.
- Codes in themselves do not make buildings better – only people can do that.
- Pre-existing standards and guidelines such as ASHRAE 90.1 were used as starting points; pieces of these were used as building blocks.
- There are certain Mandatory Provisions such as efficient outdoor lighting and water use reduction.
- A 50% reduction in energy use is a goal.
- Existing commercial building energy use – about 67% is regulated such as for lighting, cooling, heating, ventilation and water heating; about 29% is unregulated such as for electronics, computers, and plug loads. These unregulated loads will be targeted.
- A goal is to meet the requirement of standard 90.1 first.
- Standard 189.1 emphasizes Energy Consumption Management, Building Envelope requirements; Mechanical system requirements slightly more stringent than 90.1; lighting and Day-lighting where ability to reduce level and glare is a must; Indoor Air Quality meets standard 62.1 or higher – contaminant levels must be controlled, not just diluted; ventilation rate must be monitored coupled with MERV filtration.

President Christine Kemp thanked Kent for his presentation and gave him a small gift. The Meeting adjourned at about 20:45.



Darryl Boyce and Kent Peterson during the evening social



President Christine Kemp thanked Kent for his presentation and gave him a small gift

The finer points of Standard 189.1 can only really be grasped by reading the actual standard. You can access the standard here: [http://www.techstreet.com/standards/ashrae/189\\_1\\_2009?product\\_id=1668986](http://www.techstreet.com/standards/ashrae/189_1_2009?product_id=1668986)

To download the slideshow presented by Kent Peterson in PDF format, click here:

[http://www.ashrae.ottawa.on.ca/ashraeoc\\_history/2010-2011/MTG\\_Minutes/20110419\\_MTG07/Program/189\\_Update\\_Canada.pdf](http://www.ashrae.ottawa.on.ca/ashraeoc_history/2010-2011/MTG_Minutes/20110419_MTG07/Program/189_Update_Canada.pdf)

As always, you can visit our website to peruse all of the photos from this and previous meetings. Go to the “This Year” page and click on the links on the left side of the page:

[http://www.ashrae.ottawa.on.ca/ashraeoc\\_ThisYear.shtml](http://www.ashrae.ottawa.on.ca/ashraeoc_ThisYear.shtml)



# Membership

By Adam Moons

2010-2011 OVC Membership Promotion Chair

Greetings Everyone!

So we find ourselves with only one meeting remaining in the season. It has been a pleasure serving as your membership chair, a position that I will continue with next year as well. I would like to thank you all for your support and dedication to the Ottawa Valley Chapter. I ask that you feel free to offer any comments or suggestions that might aid in me better serving you all. In addition, I hope that you will continue to take an active role in our membership growth and retention. It's never too late to remind a friend to stay current with their membership dues, or to encourage a stranger to give ASHRAE a look.

In addition, I wish to remind you that the YEA/YCEC networking events will continue through the summer. Matt Edmonds and I were pleased with the participation, and will be trying to bring more opportunities for our young members to fully realize all the benefits of ASHRAE involvement. Should anyone have suggestions for improving these events, please don't hesitate to contact either Matt or myself.

I would also like to introduce and welcome the following new members:

Mr. Taylor Graf  
Mr. Samuel Joannis

Mr. Henry Zwiars  
Dr. Claude Fortier, PhD

Looking forward to seeing you at the next ASHRAE event!

Adam Moons  
Membership Chairperson / OVC

**AMERESCO CANADA**  
ROY SAMHABER, P.ENG.  
SENIOR PROJECT MANAGER

106 COLONNADE ROAD N.  
SUITE 200  
OTTAWA, ON K2E 7L6

PHONE: 613-224-7500  
TOLL FREE: 888-283-7267  
FAX: 613-224-3726  
RSAMHABER@AMERESCO.COM

**BAXTEC**  
Mechanical Services  
Your energy savings partner

MARK CSIFFARY P.ENG.  
President • mark@baxtec.com

Office: 613-738-7450 Fax: 613-738-2973  
Cell: 613-229-8277 www.baxtec.com  
29-2450 Lancaster Rd., Ottawa ON K1B 5N5

A member of **CNLC**

**Belnor**  
Engineering Inc.  
Innovation control solutions

1 Royal Gate Boulevard, Unit J  
Vaughan, ON L4L 8Z7  
☎ 905-264-6372 & 905-264-6432  
Proven Safety for Laboratory Standards

Guy Mongeon  
Sales  
www.belnor.com

Dave Fanset  
Project Coordinator  
dfanset@belnor.com

✓ PHOENIX  
✓ STROBIC  
✓ PARAGON  
✓ MAFNA  
✓ PLASTECH

Healthcare Solutions gmongeon@belnor.com

1501 Carling Ave. Suite 8, Ottawa, ON K1Z 7M1 ☎ 613-729-6660 & 613-729-2696

**RODDERS CAS**

Building System Surveys / Design & Retrofit  
AutoCad System Design & Customization

Roderic S. Potter Principal

155 Pineridge Road  
88# 3 Crg, ON K0A 1L0  
tel 613.839.2257 / fax 613.839.3226

www.rodgers.com  
info@rodgers.com  
cell 613.266.2134

**SIEMENS**

Siemens Building Technologies, Ltd.

2435 Holly Lane  
Ottawa, ON K1V 7P2  
Canada

Tel: (613) 733-9781 Ext. 223  
Fax: (613) 737-4985  
Tel: (800) 526-3478  
ray.rochefort@siemens.com  
www.sbt.siemens.com

Ray Rochefort  
Area General Manager

**Smith + Andersen**

David Eastwood P.Eng.  
Principal  
613 230 1186 ext. 403  
david.eastwood@smithandandersen.com

1600 Carling Avenue Suite 530 Ottawa Ontario K1Z 1G3  
t 613 230 1186 f 613 230 2598 smithandandersen.com

Ottawa Vancouver Toronto Edmonton Dubai Calgary

**McKEE ENGINEERING**

Jim Siciliano, P.Eng.  
Partner/Mechanical Section Head  
Jim.Siciliano@mckeeottawa.ca

1785 Woodward Drive  
Ottawa, ON K2C 0P9  
CANADA  
Tel.: (613) 723-9585 x109  
Fax: (613) 723-9584  
www.mckeeottawa.ca

**METHOT**  
THE HEATING SPECIALIST

Michael McNamara  
President Ext: 27  
michael.mcnamara@methot.ca

Tel: 905.850.3037 Toll free  
Cell: 416.986.7822 Tel: 1.800.638.4682  
Fax: 905.850.8012 Fax: 1.800.433.3398

1060, boul. Michèle-Bohec, suite 101  
Blainville (Quebec) J7C 5E2

www.methot.ca

**REGULVAR**

REGULVAR CANADA INC.

170, Laurier Avenue West, suite 714  
Ottawa (Ontario)  
Canada K1P 5V5  
tél.: (613) 565-2129  
fax: (613) 565-8895

Stéphan Riffault, P.Eng.  
Sales Engineer  
sriffault@regulvar.com



## Making a (PAOE) Point of History

by Rod Potter

Secretary, Chapter Historian, Gopher and Webmaster

Some of you might be surprised to hear that rather than the delightful persona I like to project in daily life, I am told by my wife that I am gradually becoming a POOG, which is short-form for “Pissed Off Old Guy”. I know many of you might be finding this hard to believe but I have to admit – it is fairly close to the mark. I tend to grumble about things, most of which I will not delve into here. But I can talk about something that has irked me for some years: *PAOE Points*.

When one starts down the road of being an ASHRAE OVC official, you tend to stumble through at first. I can remember marveling at how much certain people on the board knew about ASHRAE stuff (still do). One topic that occasionally cropped up was this “PAOE Points” thing which really meant nothing to me, and when I finally asked what it was, I tended to ridicule it as just so much “gold-star on the forehead” encouragement. Presidential Award of Excellence points are the means with which headquarters rewards us for our efforts, and by consequence a barometer for the performance of our chapter.

Documents exist that detail the available points for each category such as CTTC, History, Membership, Cheese-Nibbling, and others. As Chapter Historian, I am supposed to strive to attain the maximum number of points I can in each chapter year, and the President-Elect is tasked with haranguing us every now and then to report how we are doing – then the performance of our chapter as a whole can be passed up the line to ASHRAE Royalty.

The first time I looked at the available points list for Historian it was immediately apparent that the categories had been dreamed up many years ago and not recently updated. They were not easy to interpret, and in the form presented really did little to encourage major work. Typically the chapter would be awarded 50 points for an article about a special person (say a past-president) or company. Similar items were valued at 50 points such as writing the history of a chapter year. A point PAR level was set at 200, with the minimum expected set at 100. At the bottom of the list were two items I considered to be undervalued:

- For chapter archives indexed and maintained annually- 25 points.
- For digitizing chapter archives annually – 25 points.

My first real interest in becoming historian was the result of perusing a wonderful binder full of the BOG photos from most of the previous years. It was obvious to me that this priceless document needed to be protected, and then made available to our members on-line. The hundreds of hours I spent scanning most of these documents has culminated in the [History Section](#) of our website. The undertaking was huge, and the PAOE point system for history was outdated – probably because when it was dreamed up, scanners did not exist.

The important thing to remember here is that it is not really about POINTS. It is about **protecting** the valuable documents, and making them **available** to anyone who wants to view them. If our chapter is a typical example, then I expect most of the documents we are talking about are sitting in boxes in basements all around eastern Canada.

Each year a lucky few of us attend the CRC (Chapters Regional Conference). Our Ottawa chapter is in Region II of ASHRAE encompassing the chapters from Windsor in the west through to Quebec City and the Maritimes in the east. The location rotates much like the Grey Cup venue, and we get to host the CRC in 2012. Last August it was in Halifax and it was awesome fun. I am of the personal opinion that the trip to the CRC is a high point in the ASHRAE year and I always look forward to it. You get to meet up with your counterparts from other regions, drink a little, and generally have productive fun. As historian I even get to earn 50 PAOE points by merely taking a few historical documents along to display to attendees.

Many important meetings are held during these CRC’s and the chapters are always encouraged to present ideas for improvement, or “motions” that will be sent up the line to ASHRAE Royalty for consideration. My lovely wife Lindsay was with me in Halifax and with her invaluable help we dreamed up a motion requesting that the PAOE point structure for History be amended. I know we spent a fair amount of time getting the wording right, which is important, because each year a large number of these motions are presented, and if yours is not clear, *you may as well not bother*. I cannot remember the actual wording, but it suggested rewriting and revaluing the last two items in the PAOE list for history (mentioned above), to reflect both the importance of the archiving work, and the possibly massive amount of work it entails.

This motion was put forward at the end of the Halifax CRC and I promptly forgot about it. I think I asked our President Christine Kemp about what happened with the motion a few months later and found out that nothing really happens until near the end of the chapter year when announcements are made about motions to be adopted. So in February I travelled to the north of Scotland with Lindsay and the ratfinks we call kids, expecting to be away from ASHRAE and email in general. I was very careful to set my iPhone on "Airplane Mode" as soon as we arrived in the UK because roaming charges are criminal. It so happened that while in Aberdeen we had wi-fi access in our hotel so of course I had to check email. To my surprise there was a message from our Regional Historian **George Menzies**. He had received an email from the chair of the PAOE Committee asking for help in clarifying what changes we wanted before he passed this up the line to the Royal President-Elect. A critical point here was that the feedback was required within a day or so – luck had it that we just happened to have wi-fi in Aberdeen on that night, and we were moving further north to an area where they only got a telephone about a year ago soon thereafter (just kidding here, but I have to admit the bagpipes in that area tend to sound like banjos).

I can clearly remember standing out in the street on a dark somewhat drizzly night in Aberdeen, drink in hand, discussing PAOE changes with Lindsay, while dodging the advances of various hooligans falling out of the three pubs near the hotel. The rank and file were particularly impressed that we were standing on the street drinking alcohol (*das ist verboten!* in the UK; we had brought our drinks down from the hotel room), and they were also impressed with my leather Indiana Jones hat, which some trollop actually offered to purchase with real Scottish Pounds. I declined but proceeded to have a very interesting conversation with her which I cannot do justice to here.

Anyway what we came up with eventually was crafted to reward heavily for the initial effort, and then reward each subsequent year for maintaining the records:

*One time point award (to reflect possible extreme effort involved in undertaking digitization and Ensuring the electronic accessibility of historical records for the first time) - as follows:*

- **100 points**  
*Digitize complete historical archive (PDF or PDFx format recommended) for reasons of preservation/protection*
- **100 points**  
*Make complete digitized historical archive available online (likely via chapter website) for universal access*

*Suggested Yearly maintenance PAOE points:*

- **50 points**  
*Digitize current year's records of historical value (PDF or PDFx format recommended) for reasons of preservation/protection*
- **50 points**  
*Make current year's records of historical value available online (likely via chapter website) for universal access*

*These are an expansion of the existing final 25 point category for digitizing historical records and in no way replace other historical categories such as conducting interviews to create records of historical value or the need to manage and index the current year's records of historical value.*

We also made a recommendation that the PAR level for History PAOE be increased from 200 to 300 points.

Not long after this I heard back from George Menzies that the PAOE Chair had agreed with the suggestions and was going to recommend that they be accepted by the President-Elect. This was great news because if indeed these changes are made, then this means that our chapter will have had a major affect on ASHRAE Historical archiving. If the points allocation is now enough to encourage the preservation of data and improvements in its accessibility, then we will have made a huge difference.

I learned something through this whole process. ASHRAE is a lumbering machine that suffers from bureaucracy much like any large corporation. However, if you are patient and follow due process, you can make little changes here and there that are of great value.

Cheers from the desk of Rodders CAS



## Table-Top Displays

Frank Bann P.Eng.  
2001-2002 OVC Past-President  
2010-2011 Table Top Committee Chair

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 you are guaranteed to get exposure to 60-80 people.

Book your table top today! E-mail: [fbann@gwal.com](mailto:fbann@gwal.com)

### Table Tops for May's Meeting are:

#### Walmar Ventilation Products

American Air Filters (AAF) and their representative Dan Angers will be displaying their current product offerings, focused on delivering excellent IAQ solutions with low energy usage. AAF products are locally represented by Walmar Ventilation Products



#### ASHRAE Ottawa Valley Chapter Historical department

This month our tabletop display will be courtesy of the ASHRAE Ottawa Valley Chapter Historical department. We will be dusting off the records and delving into the crevices to find some documents of note. Original hand-written minutes, BOG photos through the ages, embarrassing snaps from golf tournaments, nothing will be sacred!







## Student Activities

by Matthew Edmonds  
2010-2011 Student Activities Chair

The ASHRAE Student Design Competition is set for completion and submission by May 6, 2011. Both CEGEP de l'Outaouais and Algonquin College have registered for submissions and we wish them all luck in this final stretch. Once the projects have been submitted they will be reviewed locally and a winner will be chosen to proceed on to the regional level. I will need to compile a team of judges to review the submissions and to choose a winner. Should this be something that interests you, please contact me – [matte@longhill.ca](mailto:matte@longhill.ca)

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 sponsor student meals throughout the year we will recognize your contributions by issuing you a receipt for your investment in Student Activities, and include you in our list of donors in the Capital Communiqué.

A big thank you goes out to our April student meal sponsors:

Mike Swayne – 2 Student Meals  
Paul Baker – 2 Student Meals  
James Mills – 1 Student Meal  
Bob Kilpatrick – 1 Student Meal  
Daniel Booth – 1 Student Meal

Best Regards,

Matthew Edmonds  
Student Activities Chair

*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>

Smart Start Program – Don't know what it is? Every Student Should! <http://www.ashrae.org/students/page/703>



## PAOE Points Update

by Stephen Lynch  
2010-2011 OVC President-Elect

### Presidential Award of Excellence (PAOE)

Presidential Award of Excellence is a method for chapters to be active in their communities with a common global goal. Each year at the CRC for each region we are given a list of potential achievements and points are associated with these achievements. The more points we achieve the more our local chapter and region are recognized by Society.

### PAOE Current Standings:

REGION II 2010-2011 Presidential Award of Excellence									
<i>*Minimum and PAR points indicated are for 2009-2010.</i>									
Chapter #	Chapter Name	Chapter Members	Membership Promotion Points *Minimum = 500 PAR = 800	Student Activities Points *Minimum = 300 PAR = 500	Research Promotion Points *Minimum = 800 PAR = 1050	History Points *Minimum = 100 PAR = 200	Chapter Operations Points *Minimum = 300 PAR = 500	Chapter Technology Transfer Points *Minimum = 450 PAR = 850	Chapter PAOE Point Totals
13	Quebec	215	400	0	975	0	1130	450	2955
14	Montreal	496	2190	2180	770	275	1410	825	7650
15	Ottawa Valley	366	260	650	405	300	1070	675	3360
16	Toronto	1016	1800	2080	320	150	1735	1250	7335
37	Hamilton	217	855	665	535	300	335	725	3415
100	Halifax	139	150	0	450	75	645	375	1695
116	London	112	375	955	440	200	740	525	3235
117	NB/PEI	133	150	0	765	0	325	0	1240
141	Windsor	57	200	330	551	0	225	0	1306

We still have until the middle of June to input more points. For a breakdown of requirements for each section go to: <http://www.ashrae.org/members/page/772>

### Reports

#### View Reports- This includes:

- Current PAOE Status Detail for each form
- Area Assigned Members
- PAOE Summary Report

### PAOE AWARDS

Chapters must meet the “minimum” by obtaining points in the PAOE categories; there are no maximum limits on points earned.

PAOE Minimum in four of the following five categories:

- Chapter Operations
- Chapter Technology Transfer
- Membership Promotion,
- Research Promotion
- Student Activities

(cont...)

Special Citation Minimum in 4 of 5 categories, with a minimum of 5000 points STAR PAR in all categories

- Honor Roll PAOE for at least four consecutive years
- High Honor Roll STAR for at least four consecutive years
- Premier PAOE every year since the chapter's inception or since 1970;
  - o minimum of four years; chapter's first year is excluded Sustainability Activities Award:

A Chapter Sustainability Award in the form of a certificate is available for each chapter that obtains at least a total of 200 points from the items listed under Sustainability Activities in the Chapter Operations category of PAOE. The Chapter with the highest PAOE Sustainability point total will receive a Regional award in the form of a glass plaque and a certificate.

Committee Chair



## ASHRAE Golf Tournament

by Andrew Douma  
(Photo on right taken prior to his rehab)



**Is your game rounding into form for the ASHRAE Golf Tournament?**

**The 2011 ASHRAE Golf Tournament is scheduled for Thursday June 9<sup>th</sup>, 2011 at the Loch March Golf & Country Club.**

As usual the ASHRAE Golf Tournament is a sell out as all available foursomes have been claimed, thank you very much to those who continue to support this tournament. A waiting list is currently being formed in case any spots suddenly open up, please contact us to have your name added to the waiting list.

While the golfing portion of the event is sold out, there are still opportunities to support the tournament through sponsorship. Our Hole Sponsorship for ASHRAE Research Program has been wonderfully supported by our Chapter Membership in the past and continued support is appreciated for this year's event. As we are all aware the beneficiary of this tournament is ASHRAE Research and accordingly, the more successful we are in this effort the more we will gain as a community.

Should you have any questions about the Tournament or Hole Sponsorship please contact Andrew Douma at [andrewd@totalhvac.com](mailto:andrewd@totalhvac.com) or by phone at 613.723.4611.

Sincerely,  
Your 2011 ASHRAE Golf Tournament Organizing Committee



**Martine Ménard, B.Sc.**  
Regional Manager  
[martine.menard@sonitec.com](mailto:martine.menard@sonitec.com)

**Vortisand®** High Efficiency Water Filtration Systems [www.vortisand.com](http://www.vortisand.com)  
 Head Office: 4120 Bois-Franc, Saint-Laurent, QC H4S 3A7 • Tel: (514) 335-2200 x227 • Fax: (514) 335-2295  
 US Office: 85 Seagard St. Holyoke, MA 01041 Toll Free • 1-888-876-9655




**Kashyap Desai** B.Eng.  
Associate, Buildings Engineering  
HVAC and Chiller System Specialist

**Stantec Consulting**  
1505 Laperriniere Avenue  
Ottawa ON K1Z 7T1  
Tel: (613) 725-5563  
Fax: (613) 722-2799  
Cell: (613) 298-3551  
[kashyap.desai@stantec.com](mailto:kashyap.desai@stantec.com)



**Doug Graham**  
Regional Manager

Tel: 800-561-3449  
Fax: 800-668-8476  
Cell: 613-852-9700  
e-mail: [grahamd@tamco.ca](mailto:grahamd@tamco.ca)  
[www.tamco.ca](http://www.tamco.ca)

27 Iler Road  
Stittsville, Ontario  
Canada, K2S 1E6



## ASHRAE Society News

by Steven Moons  
2010-2011 OVC Governor

### News This Month from ASHRAE Society

#### Sustainability Knows No Borders: ASHRAE Annual Conference to Take Place in Montreal

ATLANTA–Montréal, known for bringing a bit of European charm to North America, blends cultures, languages and people from all over the world, culminating in a unique and vibrant joie de vivre. In the same way, the 2011 ASHRAE Annual Conference brings together members from all over the world to share their knowledge of HVAC&R.

The theme of the Conference, Sustainability Knows No Borders, serves as a reminder of ASHRAE's international reach. The Society's members bring different perspectives, design styles and experiences to the HVAC&R industry, but all work toward the same goal: Advancing HVAC&R.

New to the Conference Technical Program is the Engineering Tools track that seeks to keep up with the fast pace of development in energy modeling and building information modeling programs. Programs include BIM calculations as applied to the ASHRAE HQ building; numerical models for predicting dispersion of exhaust stacks, environmental impacts of buildings, building material properties for reducing energy consumption, code compliance, incorporating acoustics into BIM and large public spaces ; operation-oriented flexible building system modeling; an integrated project delivery medical center case study; HVAC design checklists that work; computational fluid dynamics; DOE's new buildings energy efficiency HUB; VAV system controls; inverse modeling tools; and energy audits.

The Tech Program also addresses alternative technologies and net zero buildings and balance those programs with HVAC&R applications. Additional tracks include Refrigeration; HVAC Systems; Professional Skills; and Commissioning.

The technical program begins Sunday, June 26, and ends Wednesday, June 29, with all sessions at the Hilton Montreal Bonaventure. Complete program details are available at [www.ashrae.org/montreal](http://www.ashrae.org/montreal).

The ASHRAE Learning Institute offers nine instructor-led training opportunities, including full-day seminars on ASHRAE Standard 90.1-2010 and Data Center Energy Efficiency. Half-day sessions cover Energy Management, High Performance Building Design, Using Standard 90.1 to Meet LEED® Requirements, ASHRAE Standard 62.1 and Project Management for Improved IAQ.

The Conference keynote speaker is Rob "Waldo" Waldman, a former combat pilot, businessman and authority on leadership and sales. While relaying his personal experiences as a combat fighter pilot and businessman, he makes a parallel that is memorable and exciting, bringing fighter-pilot energy to each illustration. The Plenary session takes place Saturday, June 25 at Fairmont Queen Elizabeth.

ASHRAE technical tours offer an inside view of how technology developed by members is practically applied in building environments. Tours at the Annual Conference include the Bell Center, home of the Montréal Canadiens; the Montreal Biodôme; and the Beauharnois Generating Station.

The ASHRAE Annual Conference takes place June 25-29. Register before May 31 to save; purchases of a full registration also receive the Montreal Virtual Conference. Visit [www.ashrae.org/montreal](http://www.ashrae.org/montreal) for more information. The Fairmont Queen Elizabeth will serve as the headquarters hotel.

(cont...)

## ASHRAE Seeks Public Comment on Standard for Existing Buildings

ATLANTA – To ensure a sustainable future, the greatest opportunity lies in modifying existing buildings. Only 2 percent of construction projects are for new buildings, while 86 percent of construction dollars go into renovation of our existing building stock.

ASHRAE and the Illuminating Engineering Society (IES) are revising ANSI/ASHRAE/IESNA Standard 100-2006, Energy Conservation in Existing Buildings, to provide greater guidance and a more comprehensive approach to the retrofit of existing buildings for increased energy efficiency. The standard was first published in 1981, and the need for its requirements has grown as more attention is paid to improving energy in our current building stock.

The standard is open for an advisory public review until May 25, 2011. Visit [www.ashrae.org/publicreviews](http://www.ashrae.org/publicreviews) for more information.

ASHRAE's advisory public review process is designed to seek suggestions for new, unusual or potentially controversial elements of a proposed standard that the committee feels would benefit from increased public scrutiny. Unlike ASHRAE's formal call for public comments process, comments received under advisory public reviews are supportive and do not need to be resolved.

Of the 94.6 quadrillion btu of energy consumed in the United States in 2009, 42 percent was used by commercial and residential buildings. Over the next 24 years, national electric consumption is expected to grow by over 22 percent and natural gas consumption by 16 percent. In the same period, the amount of commercial and residential floor space in the marketplace is expected to increase by 37 percent and 17 percent respectively.

“In order to offset the growing amount of floor space and subsequent increased energy demands, existing buildings must improve their efficiency, even if every new square foot were built and operated at net zero energy,” Rick Hermans, chair of the Standard 100 committee, said. “ASHRAE and IES are working to make Standard 100 the best source of practical, accurate and cost effective design guidance for existing buildings.”

“Achieving improvements in energy efficiency in existing buildings provides significant rewards in operating savings, conservation of resources and improvements in the environment,” Rita Harrold, IES director of technology, said. “The standard addresses the necessary guidance for a variety of users to develop action plans for their specific needs. Making the standard available for an advisory public review is an important opportunity for contributory comments that will add value to the final document.”

The revised standard provides comprehensive and detailed descriptions of the processes and procedures for the energy efficiency improvements of existing residential and commercial buildings in order to achieve greater energy efficiency.

“Cities like New York, which are constrained in their development due to infrastructure limitations, can use this tool to renovate their existing building stock, freeing up energy for new developments,” ASHRAE Presidential Member Gordon Holness, whose presidential theme focused on energy in existing buildings, said. “Since the standard sets specific energy targets based on building type and climate zone, it can also be used by state and federal agencies and by utility companies as a means of validating building efficiency improvements as a result of tax rebate and incentive programs. Given that 75 to 80 percent of all buildings that will exist in the year 2030, exist today, this rewritten standard gives us a vital resource to fulfill our sustainability goals. President Obama recently announced a series of tax and regulatory changes with a collective goal for a 20 percent reduction in energy use in commercial buildings by the year 2020. That can only be achieved by addressing our existing building stock.”

The standard addresses major and minor modifications for both residential and commercial buildings, single and multiple activity buildings with variable occupancy periods and identifies an energy target for 53 building types in 16 climate zones/sub-zones.

The revised standard also identifies energy efficiency requirements for buildings without energy targets – mostly industrial, agricultural, data centers and special laboratories – and provides multiple levels of compliance.

(cont...)

Recognizing that the type of occupancy, operation and the use of a building plays a key role in its performance, the standard establishes the requirement for developing an energy management plan and an operation and maintenance plan, according to Hermans.

Included within the revised standards is criteria for energy use surveys, auditing, implementation and verification. Appendices are included for life cycle cost analysis procedures as well as identification of potential energy efficiency measures.

“Through this advisory public review, we are seeking broad and general comments on the text of the standard, the concepts of requirements and opinions about the value of the standard,” Hermans said. “Throughout the text there are questions seeking your advice as reviewers of this draft document. Please look at these questions and add your thoughts, answers and comments in the ASHRAE comments database as described in the instructions.”

Past President



## Technical Sessions to be continued next year

by Joel Primeau  
OVC Past-President (1999-2000)

I would like to thank everyone who attended the HVAC Boot Camp sessions presented this year. I enjoyed seeing the turnout of young students and chapter members that wanted a refresher on some of the topics presented.

Please note that these sessions will be continued next year.

Hope to see you all there!

Joel Primeau

Treasurer



## ASHRAE Ottawa Valley Job Opportunities Advertisements Form

by Donald Weekes  
2010-2011 OVC Treasurer

To place an advertisement for job opportunities at the ASHRAE Ottawa Valley web site, please provide the following information to Rod Potter at [rod@rodders.com](mailto:rod@rodders.com)

Ottawa Valley Chapter Member:	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
Advertisement included as Attachment:	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
Advertisement Type:	Renewal	<input type="checkbox"/>	New	<input type="checkbox"/>

For further information regarding renewals or payment please contact our treasurer, Don Weekes at 613-224-3863 or by e-mail, [don.weekes@inairenvironmental.ca](mailto:don.weekes@inairenvironmental.ca)

Payment must be forwarded to Don before this advertisement will be published on the web site.

Rates for career opportunities ads are as follows:

Chapter Member: \$50/month

Non-member: \$250/month

**Jp2g Consultants Inc.**  
ENGINEERS ■ PLANNERS ■ PROJECT MANAGERS

1150 Morrison Drive  
Suite 410  
Ottawa, Ontario  
K2H 8S9

**Greg Terry, P.Eng.**  
Mechanical Engineer

Phone: 613-828-7900  
Fax: 613-828-2600  
email: gregt@jp2g.com

**Stealth**  
Air Cleaners  
H.V.A.C. Filtration & Ultraviolet Light Services

**Maurice Lachance**  
President

1313 Grand Chene Ct.  
Orleans, Ontario K4A 3N9

Phone: 613.833-1520 - Fax: 613.833-1775  
Toll Free: 800-607-8892  
Email: info@stealthaircleaners.com  
www.stealthaircleaners.com

Residential  
Commercial  
Institutional

**Master**  
REPRESENTATIVE (EXT. 10) (202) 739-0000

**Daniel Laurin**  
Regional Sales Director  
dlaurin@master.ca

The Master Group L.P.  
25H, Northside Road  
Nepean (Ontario)  
K2H 8S1

T 613.829.2816  
C 613.794.4872  
F 613.829.3731  
T 866.429.1977  
www.master.ca

**Rod Lancefield, P.Eng., LEED® AP**  
Engineering Sales  
rod@htseng.com  
C 613.851.1997

**HTS Ottawa**  
1646 Woodward Dr.  
Ottawa, Ontario K2C 3R8  
T 613.728.7400 Ext. 221  
F 613.728.8032  
Toll Free 888.290.8544  
ontario.htseng.com




**InAIR Environmental Ltd.**

**Lan Chi Nguyen Thi, P.Eng.**  
Partner

1390 Prince of Wales Dr., Suite 503  
Ottawa, Ontario K2C 3N6  
Phone 613.224.3863  
Fax 613.224.2561  
lanchi.nguyen@inairenvironmental.ca  
www.inairenvironmental.ca

Mould & Flood Remediation  
Drinking Water Testing  
Training Courses  
IAQ Surveys



**GENIVAR**

GENIVAR ONTARIO INC. 15 Fitzgerald Road, Suite 100  
Nepean, Ontario K2H 9G1 CANADA

Tel: (613) 829-2800  
Fax: (613) 829-8299  
www.genivar.com

**WALMAR** www.walmar.net

24 Curdwara Road  
Nepean, Ontario  
K2E 8B5

**RANDY CAVILL, C.E.T.**  
President

Tel: (613) 225-9774  
Fax: (613) 225-2972  
e-mail: randy@walmar.net

VENTILATION & FILTRATION PRODUCTS

WOOD  
BANK  
PARIZELLE  
BOUTHILLETTE

100-3740 Richmond Road  
Ottawa, Ontario K2H 5B9

Tel: (613) 596-6454

Patrick St. Onge, P.Eng., LEED AP  
Project Manager - Mechanical Engineer

www.WBBEngineering.com  
patrick.stonge@WBBEngineering.com

**WESMECH**  
TECHNICAL SALES INC.

50 Ronson Drive, Suite 160 • Toronto, Ontario • M9W 1B3  
Tel: 416-251-8990 • Watts: 1-800-613-3789 • Fax: 416-251-8900  
www.wesmechtech.com

**Joseph McCallion, C.E.T.**  
President

josephm@wesmechtech.com cell: 416-720-8876

**TOTAL HVAC**

**Adam Beales**  
Principal

**Total HVAC Inc.**  
29 Coppetta Drive  
Nepean, Ontario  
Canada, K2G 0B6

Tel: (613) 723-4611  
Fax: (613) 723-4677  
Res: (613) 825-7319  
Cell: (613) 223-2112  
Email: adam@totalhvac.com

Paul B. Baker, P.Eng., LEED AP  
General Sales Manager

**TRANE**

1024 Morrison Drive  
Ottawa, ON  
K2H 8K7  
Tel (613) 820-8111  
Fax (613) 820-1414  
Paul.Baker@trane.com  
www.trane.com



**VAN FORT**

**ERIC VAN BENSCHOTEN**  
35 LE ROY STREET, BATHURST, QUEBEC  
CANADA J0V 1G0

tel: 1-246-1661  
1-514-368-6524  
PABEEB

vanfort@vanfort.co

**Mike Swayne**  
P.Eng.  
Manager, Mechanical & Electrical Engineering  
T 613 759 5354  
Mike.Swayne@norr.com

**NORR**  
ARCHITECTS ENGINEERS PLANNERS

**NORR Limited**  
55 Murray Street  
Suite 600  
Ottawa, ON, Canada K1N 5M3  
T 613 241 5300 F 613 241 4245  
www.norr.com

An Ingenium Group Company

AIR CONDITIONING VENTILATION AIR CLIMATE

**Dillo Mechanical Limited**

1500 STAR TOP ROAD  
OTTAWA, ONTARIO K1B 5W9

**DANNY DILLON**  
VICE PRESIDENT

E-mail: danny@dillo.com

TEL: 741-7731  
745-3613  
FAX 741-9862

**Stephen Lynch, P.Eng./PST**  
Account Executive  
Services

Direct Energy Business Services  
100 - 2935 Conroy Rd  
Ottawa, ON  
K1G 6C6  
613.247.7451 Direct  
613.371.9814 Cell  
613.247.7990 Fax

**Direct Energy**

stephen.lynch@directenergy.com  
www.directenergy.com

**Longhill Energy**

**Chris Harrison**  
Engineered Sales

chris@longhill.ca  
www.longhill.ca  
Phone: 613-226-3856  
Fax: 613-226-2715  
15-111 Capella Court, Ottawa, Ontario K2E 7X1

The Energy Conservation People

**Goodkey, Weedmark & Associates Limited**  
Consulting Engineers

**Ross McIntyre, P.Eng.**  
Principal, Designated Consultant, Mechanical Engineer

1688 Woodward Dr., Ottawa, ON, Canada, K2C 3R8  
Telephone: 613-727-5111 ext. 239 Fax: 613-727-5115  
rossmco@gwal.com





## Goodkey Weedmark Career Opportunity



### **Goodkey Weedmark** *Consulting Engineers*

Goodkey Weedmark & Associates Limited is a well established Mechanical & Electrical Engineering Consulting Firm, with 55 years of services since 1956, located in Ottawa, Ontario.

Goodkey, Weedmark & Associates Limited is responsible for all aspects of mechanical & electrical building engineering (HVAC, fire protection, plumbing, power distribution, lighting, fire alarm, emergency power, controls, etc.). We are primarily involved in the Mechanical & Electrical Engineering of Commercial and Institutional building systems.

Our clients include all levels of government, large and small developers, school boards, universities, colleges, commercial developers, high-tech manufacturing and research, healthcare and others.

We are seeking the talent of an Intermediate Mechanical Engineer or Design Technologist with a minimum of five (5) years continuous experience in the consulting engineering business. As an integral part of our team of over 50 individuals, you will be responsible for designing and managing small to medium size projects from conception to successful completion.

We are also seeking a Mechanical Designer/AutoCAD Technologist who has been continuously involved in the consulting engineering business for a minimum of three (3) years.

The successful candidates must have strong interpersonal skills and a proven track record in a consulting environment with extensive knowledge of AutoCAD/Building Mechanical Systems, spreadsheet, word processing software and Windows based systems are mandatory. Candidates must be fluent in English (both spoken and written); French language is an asset.

Candidates with qualities best matching our needs will be contacted for further discussions or interviews.

Please submit your resume in confidence and identify the position you are seeking via our e-mail at [info@gwal.com](mailto:info@gwal.com).

Goodkey Weedmark & Associates Limited  
1688 Woodward Drive  
Ottawa, Ontario  
K2C 3R8

Telephone: (613) 727-5111  
Fax: (613) 727-5115







## THE HOLLAND COMPANY

We are an executive search firm located in Los Angeles with the following opportunity in the Ottawa area:

Our client, a worldwide leader in the manufacturing of **HVAC/air filtration equipment**, is seeking to hire a **TERRITORY SALES MANAGER** for the Ottawa region.

Appropriate candidate will be responsible for maintaining existing company business and to develop new business to industrial and commercial accounts.

### Responsibilities:

- Drive sales and margin growth through identification and implementation of strategic initiatives to position and sell company's products with emphasis on 5 Star Premium Products.
- All aspects of sales process including prospecting, sales calls and site surveys, LCC analysis, proposal and quotation preparation and presentation, overcoming objections and securing purchase orders.
- Aggressively promote company's existing and future sales tools, and special sales initiative programs.
- Utilize CRM system for input and tracking of all information relative to opportunities, contacts, proposals, target accounts, use of sales tools, etc.
- Deliver PowerPoint presentation packages focused on company's TCO market strategy with the intent to maximize the gross profit (margin) on each account.
- Participate in company meetings and planning sessions including: Regional Sales meetings, North American Sales meetings, training sessions, and customer training events.
- Support national account agreements to expedite transition and optimization of sales.
- Participate in annual budgeting process. Create an annual Business Plan for area including sales and financial forecasts, tactical actions. Build and execute personal business plan: identify key prospects within market segments; strategic relationships; CRM link to marketing initiatives; local trade association participation; lunch & learns; territory development.
- Make appropriate filtration recommendations and train client on new products or services.
- Resolve customer complaints and follow up on corrective actions; etc

Requires minimum five years HVAC sales experience and value added selling; proficiency in Microsoft Office products and prior use of CRM/Contact Management a plus.

For immediate and confidential consideration, please contact:

**GLENN HOLLAND**

THE  
HOLLAND COMPANY  
4736 La Villa Marina, #F  
Marina Del Rey, CA 90292  
tel: (310)301-9905  
[hollandg@ca.rr.com](mailto:hollandg@ca.rr.com)

Committee  
Chair



## 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 also appear on the Chapter website.

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



Your card here!

