



Capital Communiqué



2010 - 2011

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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 **January 18, 2011.** Tech Session: 16:30 Social: 17:30 Dinner: 18:30 Program: 20:00 at the Travelodge Ottawa Hotel & Conference Centre, 1376 Carling Avenue, Ottawa, Ont., 613-722-7600
- THEME:** **TEGA (Technical, Energy and Government Activities) / Program**
- PROGRAM:** **La Cité Verte**
- TECH SESSION:** **HVAC Fundamentals by Joel Primeau** (please see later article for more detail)
- SPEAKER:** **Marc Dugré, ing. & Claude Routhier, LEED PA – Regulvar Inc./Poly-Energie Inc.**
- OVERVIEW:** An initiative of SSQ Financial Group, La Cité Verte is an innovative multi-residential complex unique in Quebec - the second of its kind in Canada - designed as a commitment to sustainable development, energy conservation and respect for the environment. Thus, many of the latest ecological technologies will be put to use in the construction of this complex of about 800 homes (condominiums, townhouses and social housing), which will also include office and commercial space, collective equipment, environmental facilities and green areas. This environmentally friendly project will take several factors into consideration - water, energy, transport, waste and materials - in order to minimize their environmental impacts, and will make the most of many innovative solutions and technologies in order to reduce all forms of consumption. Among the selected solutions are a thermal power plant fuelled by biomass, wind turbines, a rainwater recovery system, charging stations for electric cars and even a street lighting system activated by motion sensors
- BIO:** Marc Dugré, ing., President of Regulvar Inc. received his B.Sc. in Mechanical Engineering in 1984 and became a member of the “*Ordre des Ingénieurs du Québec*” in 1986. Hired by Regulvar in 1985 as a project manager, he took over the Quebec City branch in 1987 in order to develop the markets in Central and Eastern Quebec. Mr. Dugré has been the President of Regulvar Inc. since 1999 and as such, he manages all activities in Quebec.
- Claude Routhier, LEED PA, President of engineering at Poly-Énergie Inc., the Quebec City-based energy efficiency specialist of the project.

Menu

Chapter Members: \$35.00 Guests: \$50.00

Assorted Rolls and Butter, Classic tossed Caesar salad,

Poached Salmon on roasted tomato Ragout with watercress and Crème Fraiche with steamed rice and vegetables

Dessert is Chocolate Pecan Flan with coffee or tea



President's Message

by Christine Kemp
2010-2011 OVC President



HAPPY NEW YEAR

I Hope you all had a great holiday with your family and friends.

This Christmas, I brought back an old ASHRAE tradition. As President, I hosted a party for the Executive, Board of Governors and Committee Chairs.Oh what fun it was..... Everyone brought a little something for dinner. Yum! To spend this quality time with such good people reminds me of why I volunteer for this association. We really are a good group of hard working and hard playing people. After a few games of "Crokinole" and pool, we were entertained by the famous trio, Joel Primeau, Adam Moons and Matt Edmonds. Thanks to you all for making my Christmas even more special.

I hope that next year's president carries on this tradition. Hint hint Stephen.....

I am looking forward to seeing you all at the January meeting.





What You Missed – November 2010 Meeting

by Rod Potter
Secretary, Chapter Historian, Gopher and Webmaster



The main meeting took place at the Travelodge Hotel and Conference Center on Carling Avenue in Ottawa, in our normal upstairs room.

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 the new members: William McKinnon, Chris Tromp, and Elizabeth Liddy. Christine Kemp reviewed the recent very successful Bowling Social which took place on November 9th, 2010, and thanked Governor Steve Moons for organizing this event. Go here to view the photos: http://picasaweb.google.com/ashraeovc/20101109_Bowling#

Paul Baker then rose to announce the sad passing of ASHRAE Lifer James “Jim” Gregory (photo top right) and we all toasted this fine gentleman. He was an ASHRAE OVC Governor for the 1978-1979 and 1980-1981 Chapter Years.

The theme for the evening was **Research**, and at this point Past President Jason Alexander rose to announce Silver awards to Longhill Energy and Goodkey Weedmark & Associates, then Bronze awards to Total HVAC, Genivar, Direct Energy, and WBBP. These awards were for donations in the 2009-2010 Research Promotion Year, overseen by none other than Patrick St-Onge.

Governor Patrick Albert oversaw a Senators Game Ticket Giveaway Draw (courtesy Goodkey Weedmark) which was won by Richard Albert – this draw earned the chapter \$190. Also drawn were a couple of tickets for an upcoming Senators Farm Team game (Binghamton - courtesy Richard Albert) – these were won by Mike Swayne.

Dinner was a scrumptious concoction involving roast pork, pecans, mustard and maple, from 18:50 until about 19:45. The business session continued afterwards - President Christine Kemp thanked the parties who provided Table Top Displays:

- [Walmart] Gerry Saieva of DuraSystems spoke about their display.

After a fair bit of teasing from others at his table, the ever-dashing Richard Albert was press-ganged into handing his just-won Senators game tickets over to one of the many students attending the meeting. The lucky recipient was Rebecca McHolm.

Continuing the awards for ASHRAE Research, Jason Alexander proceeded with the \$500 or less level and handed out certificates to many fine members. For a full update visit the Research Promotion area of our website: http://www.ashrae.ottawa.on.ca/ashraeoc_donors.shtml

Our speaker for the evening was **Bill McCartney** of Isotherm Engineering, with his presentation “LEED Is Not Commissioning”, starting with a discussion on how commissioning evolved in the early 1980’s and the publication of ASHRAE Guidelines:

- ASHRAE Guideline 1989 – “Commissioning of HVAC Systems”
- ASHRAE Guideline 1-1996 “HVAC Commissioning Process”
- ASHRAE Guideline 0-2005 “Commissioning Process”
- He followed with discussion of the importance of Training of O&M Personnel, where they are taken through design intent, system walk-through, and the systems manual. New technology must be discussed and systems centered on sustainability highlighted. A System Manual is created forming a composite document with sections on operation and maintenance, which must be useful to the owner.
- The topic moved on to LEED and how this stands separate from actual commissioning and he spoke about the following documents:

(...cont.)

LEED Canada NC 1.0 Dec. 2004
EA-CR3 “Best Practice in Commissioning”

- He made it clear that in the LEED process there has to be a commissioning authority that is separate from the building process – and this must be incorporated into the original design tender documents for the building to achieve LEED approval.
- The main point of the presentation is that LEED stands separate from the actual commissioning process and forms an “umbrella” that is intended to be involved from the onset, to oversee the entire project, and verify that the finished building operates as intended.

President Christine Kemp thanked Bill for his presentation and gave him a small gift. The meeting adjourned 9:15 PM.



Jason Alexander, Joel Primeau, and Christine Kemp
Presidential Excellence



President Christine Kemp hands over the Senators tickets to the one and only Richard Albert



Research Promotion Award Recipients



Speaker Bill McCartney accepts a small gift from President Christine Kemp

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

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ASHRAE Society News

by Steven Moons
2010-2011 OVC Governor

News This Month from ASHRAE Society

2010 Energy Standard Provides for 20 Percent-Plus Energy Savings

ATLANTA – By following the guidance in the newly published 2010 energy standard from ASHRAE and IES, more than 20 percent energy reduction can be achieved over savings in the 2004 standard.

“This year marks the 35th anniversary of our flagship energy conservation standard, and the 2010 version of 90.1 represents a milestone achievement in increased energy and cost savings,” Lynn G. Bellenger, ASHRAE president, said. “Working within the constraints of strict economic justification and a prescriptive format, the project committee has achieved remarkable energy savings across all building types and U.S. climate zones. The standard is written in mandatory code language and offers code bodies the opportunity to make a significant improvement in the energy efficiency of new buildings, additions and major renovations. We congratulate the project team and our partners of 35 years, the Illuminating Engineering Society.”

“IES is pleased to continue in its role as a partner with ASHRAE in this 2010 edition of standard 90.1,” Rita M. Harrold, director of technology, said. “Each revision brings new challenges to find ways to reduce energy. Our congratulations to the project committee for its diligence in identifying and demonstrating significant energy savings opportunities compared to the 2004 standard. IES contributions to the savings have been achieved by refining lighting power limits and placing more emphasis on controls and system energy use. We look forward to participating in future versions of the standard where even more focus will be placed on how we can support the goal of designing quality lighting while balancing human needs with energy and cost savings in all building types.”

ANSI/ASHRAE/IES Standard 90.1-2010, *Energy Standard for Buildings Except Low-Rise Residential Buildings*, provides minimum requirements for the energy-efficient design of buildings except low-rise residential buildings. The standard contains 109 addenda approved since the 2007 standard was published.

At the time of publication, the energy cost savings of the new standard vs. the 2004 standard are estimated to be more than 20 percent. Not all addenda have been included in analysis for these energy savings estimates. Final savings estimates will be issued by ASHRAE when available.

How was the energy reduction achieved? Here are a few examples:

- The Scope was expanded so that 90.1 covers receptacles and process loads, including data centers. This allows future addenda to the standard to address energy consuming equipment and systems previously outside its scope.
- Continuous air barrier and cool/high albedo roof requirements were added.
- Lighting: Most interior Lighting Power Densities were lowered, and additional occupant sensing controls and mandatory daylighting requirements were added for specific spaces, along with a new five-zone exterior Lighting Power Density table.
- Mechanical: Most equipment efficiencies are higher, energy recovery is required in more applications, economizers are required in more climates and more energy-conserving controls are required.
- Modeling requirements have been clarified and expanded so that building modellers can more accurately compare energy cost of their building project with an appropriate baseline building as defined by the standard.

(...cont.)

“The 2010 edition of Standard 90.1 represents a significant accomplishment by ASHRAE and IES to implement cost-effective measures for energy conservation in new buildings designed using the standard,” Steve Skalko, 90.1 committee chair, said.

New ASHRAE GreenGuide Features Guidance on Sustainable Planning, Carbon, Water Efficiency and Existing Buildings

ATLANTA – The newly published third edition of the *ASHRAE GreenGuide: The Design, Construction and Operation of Sustainable Buildings* is an updated version of this easy-to-use reference that covers the need-to-know information on what to do, where to turn, what to suggest and how to interact with other members of the design team in a productive way.

The book features new information on guidelines on sustainable energy master planning; updates on teaming strategies; information on how issues related to carbon emissions affect building design and operational decisions; building information modeling (BIM); strategies for greening existing buildings; updates on newly developed green building rating systems and standards; and compliance strategies for key ASHRAE standards. Also, the GreenTips found throughout this edition highlight techniques, processes, measures or special systems in a concise format.

“The ASHRAE GreenGuide is a living document meant to be used by proactive design engineers working on green building design projects as part of a team that provides *ideas and guidance* of what to do, where to turn, what to advise and how to interact with other team members in a productive way,” John Swift, co-author and co-editor of the GreenGuide, said.

A new chapter covers architectural design and planning impacts, including sustainable master planning. Such planning addresses resource use, landscape concerns and environmental, economic and social concerns. A major part of such planning is energy and water use.

“As a smart building services engineer, one must be familiar with the flows of energy from generation through transmissions to consumption,” Tom Lawrence, co-author and chair of ASHRAE’s technical committee on building environmental impacts, said. “Understanding these flows is critical to being able to provide solutions that increase overall system efficiencies and facilitate energy reductions at all levels.”

User’s Manual Key to Meeting Requirements of the Green Standard

ATLANTA—knowing what to do is not the same as knowing how. A new User’s Manual educates industry professionals on how to meet the requirements of a green building standard published by three leading industry organizations.

Standard 189.1-2009, *Standard for the Design of High-Performance, Green Buildings Except Low-Rise Residential Buildings*, was published earlier this year by ASHRAE in conjunction with the Illuminating Engineering Society of North America (IES) and the U.S. Green Building Council (USGBC). The standard provides a long-needed green building foundation for those who strive to design, build and operate green buildings.

A newly published User’s Manual is now available.

“Because of the breadth of the key topic areas covered in the standard – site sustainability, water use efficiency, energy efficiency, indoor environmental quality and the building’s impact on the atmosphere, materials and resources – it is important for users to have a thorough understanding of how they come together to create a sustainable building,” Kent Peterson, former chair of the Standard 189.1 committee, said. “The User’s Manual aids architects and engineers in applying the standard to design; general and specialty contractors in constructing buildings that are in compliance; and plan examiners and field inspectors in enforcing the standard where adopted into code.”

The new User’s Manual provides explanations of the standard’s requirements and examples of its application. It contains sample calculations, forms to demonstrate compliance and references to helpful resources and websites. This User’s Manual can also be suitable for use in educational programs.

For complete information on the standard, including a readable copy, visit www.ashrae.org/greenstandard.

Standard 189.1 also serves as jurisdictional compliance option to the International Green Construction Code authored by the International Code Council, ASTM International and the American Institute of Architects.

(...cont.)

Newest Version of Thermal Comfort Standard Provides New Provisions on Elevated Air Speeds

ATLANTA – New requirements regarding air speeds, analysis and documentation are included in the newly published ASHRAE thermal comfort standard, ANSI/ASHRAE Standard 55-2010, *Thermal Environmental Conditions for Human Occupancy*.

“The standard continues to focus on defining the range of indoor thermal environmental conditions acceptable to a majority of occupants, while also accommodating an ever increasing variety of design solutions intended to provide comfort and to respect today’s imperative for sustainable buildings,” Stephen Turner, of the Standard 55 Committee, said.

The standard specifies the combinations of indoor thermal environmental factors and personal factors that will produce thermal environmental conditions acceptable to a majority of the occupants within the space.

Standard 55 incorporates recent research innovations such as the use of elevated air speeds to widen the acceptable range of thermal conditions. The standard previously allowed modest increases in operative temperature beyond the Predicted Mean Vote/Percentage of Persons Dissatisfied (PMV/PPD) limits as a function of air speed and turbulence intensity.

The 2010 standard also includes a new method for determining the cooling effect of air movement above 0.15 m/s (30 fpm). This allows ceiling fans, or other means to elevate airspeed, to provide comfort at higher summer temperatures than were previously permissible. New provisions based on field study research allow elevated air speed to broadly offset the need to cool the air in warm conditions, replacing requirements that originated primarily from climate chamber studies.

Another revision makes clearer the mandatory minimum requirements for analysis and documentation of a design to show that it meets the standard’s requirements. In addition, a compliance form for documentation of design is included in an informative appendix. This compliance template mirrors the United States Green Building Council’s LEED® template for the thermal comfort design credit in LEED New Construction-2009, simplifying the LEED credit template for the designer during a project.

The 2010 version of the standard also includes improved and expanded graphics that better guide users of the standard in simple applications. Improvements to the SI and IP versions of the traditional “comfort zone” chart include enlargement, clarification and notes to aid users of the standard.

Standard 55 combines Standard 55-2004 and the 10 approved and published addenda to the 2004 edition into one easy-to-use, consolidated standard.

ASHRAE Brings Hot Topics to AHR Expo Attendees

ATLANTA – Guidance on industry hot topics is being provided from ASHRAE through two free sessions at the AHR Expo® in Las Vegas, Nev.

A Practical Guide for Reducing Air Leakage in HVAC Air Systems takes place Monday, Jan. 31, 2:15-3:45 p.m., while an update on Standard 90.1 – 2010 Update: How It Affects You takes place on Tuesday, Feb. 1, 2:15-3:45 p.m. The two sessions offer Show attendees 1.5 PDHs each for a total of 3.

Monday’s session focuses on the fact that excessive air leakage in HVAC systems is known to be a significant source of energy waste. This session identifies the current standards, guidelines and project specification that influence air leakage and highlights the roles and responsibilities of the engineer, contractor and manufacturer to assure they meet our common goal of reducing air leakage in HVAC systems.

The Tuesday session provides an update on ANSI/ASHRAE/IESNA Standard 90.1-2010, Energy Standard for Buildings Except Low-Rise Residential Buildings. With well over 100 addenda incorporated since the 2007 edition, this session highlights some of the major changes in 2010 standard.

Both sessions are held in Room N256 of the Las Vegas Convention Center. No ticket or badge is required for admittance.

The 2011 ASHRAE Winter Conference is held in conjunction with the Expo and runs Jan. 29-Feb. 2 at the Las Vegas Hilton. Additional courses and sessions are offered through the Conference’s Technical Program and the ASHRAE Learning Institute. More information can be found at www.ashrae.org/lasvegas.

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Committee
Chair



Membership

By Adam Moons

2010-2011 OVC Membership Promotion Chair

Welcome to the New Year everyone!

It has been wonderful seeing our membership grow. The upcoming ASHRAE meetings have some fascinating topics. In addition, there are some great events and opportunities planned! What better way to start 2011 than to **bring a friend to an ASHRAE meeting**? Some people resolve to begin the year with unattainable goals. It might be a diet, exercise or healthy eating. Why not pick a goal you **know** you can achieve? Resolve to support ASHRAE by encouraging a friend to join. *Just one friend. Easy. Boom. Done. Resolution complete.* Doesn't that feel good? Everybody wins! Especially me.

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

Mr. Richard Croucher
Mr. Robert Saunders
Mr. Geoff Chadsey

Mr. Dan Bradley
Mr. Joshua Hale

Mr. Brian Warren
Mr. Thomas Burke

Looking forward to seeing you all at the next ASHRAE event!

Adam Moons
Membership Chairperson / OVC

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TECHNICAL SESSION

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

When: January 18th, 2010 (Before the monthly meeting)

What time: 16:30 to 17:30

Who is invited: Everyone

I, Joel Primeau, Director of Sustainable Design at GENIVAR and ASHRAE Vice-Chair for Student Activities, am currently collaborating with a professor at Kansas State University in developing a new 3-day course called "HVAC boot camp" for the ASHRAE Learning Institute. The course consists of twenty-four (24) one-hour modules, each covering a topic of HVAC. I will be offering a 1-hour training module as a technical session before each of our monthly meetings. This month's topic is "HVAC Fundamentals", ie: thermodynamics, fluid dynamics, and the refrigeration cycle. The objective of this first session is to familiarize the students with the basic science used in the HVAC applications. This session is a great refresher for anyone with a technical degree or diploma, or a great crash course in engineering science for anyone working in HVAC but who didn't necessarily graduate from a technical school.

Don't miss out on this great opportunity to get a refresher on the basic Fundamentals for HVAC design, and stay to attend our monthly meeting.

Joel Primeau



ASHRAE Bowling Social Review

by Steven Moons
2010-2011 OVC Governor

The first annual ASHRAE Bowling Social was held on Tuesday, November 9th, 2010 at the Merivale Bowling Center. The turnout was excellent, and all spots for the teams were filled, thanks to a few late additions to the rosters.

While styles varied, the undisputed bowler of the evening was Nicole Chaumont with Direct Energy, who consistently rolled near-300 games while 8 months pregnant.

The winning team this year was from Walmar, consisting of Joe Della Valle, Peter Shaw-Wood, Phil Mahannah, and anchored by Bill Bouris. It is understood that they are still wearing their championship medals.

The success of this year's event has ensured we will hold a similar event next year, hopefully with an increased space to allow for more teams attending. Thanks to everyone who helped out and made it such an enjoyable evening.

Steven Moons



Student Activities / Young Engineers of ASHRAE (YEA)

by Matthew Edmonds
2010-2011 Student Activities Chair

Welcome to 2011 and to a fresh year of student activities! I hope everyone had a fun and safe holiday season. With the interest from both Carleton University and Queen's University in reestablishing their student branches, and both Algonquin College and CEGEP de L'Outaouais full steam ahead on the design project, this year should be one for the books.

The first order of business for 2011 is the ASHRAE CAREER FAIR. Mark your calendars people, Tuesday March 8, 2011, held right in Salon A on the Algonquin College Campus. We are expecting a lot of student participation this year, and being right on campus promises great exposure. Exhibitor information will be distributed this week and we need your support, so please contact me directly (613-226-3856 x 26) for more information.

December also played host to our first YEA / YCEC (Young Construction Executives Club) Networking Event, and Adam Moons and I would like to thank all of you who participated. The evening was a great success, and we only see positive things coming from these gatherings in the future. We have a number of different ideas as we move into 2011, and will be in touch shortly with details. Our hope is to facilitate evenings that you will all see as a benefit. We appreciate your support and involvement.

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, publish your name and/or company's name on our website, and include you in our list of previous donors in the Capital Communiqué. We hope to see even more of a student presence this year, which means we will really need your help! Your contributions last year allowed us to keep the students coming to each meeting even though they were on limited budgets, so thank you so much for your support, and let's keep it up!

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>

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History - Engineered Air in Ottawa

by Rod Potter
Secretary, Chapter Historian, Gopher and Webmaster



The following is an edit of work written by Glenn MacLean – our thanks go to him for this:

The Ottawa Engineered Air office was first opened in the spring of 1985 by **Dennis Capstick**. Dennis had originally worked for the Trane Company, with **Ted Digel** and other Ottawa notables **Gary Beatty** and **Doug Breckenridge**. Dennis left Trane to join Engineered Air back in his home province of British Columbia, then moved to Edmonton before being given the opportunity to return to Ottawa to open the new Engineered Air office.

The original office was located as 1366 Triole St., and their first order was for a package cooling/gas heating unit for the I.G.A. in Brockville. It was sold to Leyon Sheet Metal in June of 1985. The second order had more of an Ottawa flavour - it was an indirect fired make up air unit which was designed by R. G. Beckman and sold to Mec-Arc Mechanical. Dennis remained as office manager until June of 1996 and in that time took the relatively unknown name of Engineered Air and not only introduced it, but engrained it into much of what is the engineering community of Ottawa today. One of the salesmen that worked with Dennis over the years was **Adam Beales** who joined the Engineered Air team in 1990. This was after the office had relocated to the Walmar building (upper level) at 24 Gurdwara. It later moved to the lower level of the same building and remained there until 2005. It was during this time that **Sylvia Wallace** was hired and has been the 'voice' of Engineered Air ever since. Also during that time **Brian Neufeld** joined the sales force, but was later transferred to the London sales office. While Brian sharpened his skills in London, **Ed Cassidy** joined the team and **Ron Lapointe** transferred in from the Montreal Office. In the spring of 1996, Adam and Ed left to start their own endeavor, just as Brian Neufeld was being asked to return to Ottawa as branch manager. Dennis had accepted a promotion to move to the Toronto area. A short time later, **Glenn MacLean** joined the Engineered Air team as a junior salesman, starting in August of 1996. Glenn had been in Ottawa a few years earlier with Johnson Controls, but had returned east to fill a role with Johnson Controls in their Halifax office. It was two years later that the opportunity to return to Ottawa with Engineered Air came up. Later that year Ron Lapointe retired to spend more time with his ailing wife, and **Darren Trenholm** was picked up on waivers from the Calgary sales office. Brian, Glenn and Darren would be the face of Engineered Air for the next several years.

In 2001 **Michael Cation** was picked up from the Toronto Sales office in a three way trade that sent Chris McLelland (Algonquin Graduate) from Ottawa to Hamilton for a player to be named later that would go to Toronto. Michael had joined Engineered Air in May of 1997, but spent several years in the minors as a designer in Calgary. He joined the sales group in 2000, and completed his training in the Toronto sales office. A couple of years later on a recommendation from Chris we interviewed another Algonquin graduate named **Heintje Andreason**. Heintje was hired in January of 2003 and has been with the firm ever since. It was just before this time that Brian was given an opportunity to move out to Calgary (Head Office) as National Sales Manager. Glenn MacLean was called on to fill the Manager's role, and the team again remained unchanged until just 2 years ago, but did relocate to a new office building at 20 Gurdwara in 2005. The new venue was bigger and a bit brighter, and helped as the office continued to grow.

In June of 2008 the most recent addition to the office transferred in, in another pickup from the design group in Calgary. **Matt Laframboise** originally joined Engineered Air in November 2001 and worked in production and design with the company before transferring to the sales group.

In that first year (1985) the total sales for the office was that one order for the I.G.A in Brockville. For the sales year that just ended in August of 2010, sales volume has increased to just over \$11.5 million and the Sudbury region has been added to the Ottawa territory. Dennis Capstick retired 3 years ago, after over 30 years with the company, and Brian Neufeld is now General Manager in Calgary. Let's see what the next 25 years brings...

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Governor



Chapter Technology Award Competition 2011

By Georges Maamari
2010-2011 OVC Committee Chair

The purpose of the Technology Awards Program is to recognize members for innovative designs, communicate that technology to other members, and highlight achievements to other professionals.

The Chapter Technology Transfer Committee is asking for applications for the 2011 Chapter Level competition to be submitted by March 4th, 2011. Awards for the Chapter Level competition will be given out during the May 17, 2011 Chapter Meeting for the following categories:

- Commercial Buildings, New and Existing
- Institutional Buildings, New and Existing
- Health Care Facilities, New and Existing
- Industrial Facilities or Processes, New and Existing
- Public Assembly Facilities, New and Existing
- Residential Buildings, New and Existing (Single Family and Multi-Family)
- Alternative or Renewable Energy Use

Entries will be judged on energy efficiency, indoor air quality and thermal comfort, innovation, operation and maintenance, cost effectiveness, environmental impact and quality of presentation.

The process for the ASHRAE Technology Awards starts right here at the Chapter level. Winners of the Chapter Competition will be sent to the Regional CTTC Chair for judging in the Regional Technology Award Competition. Regional winners will then be asked to submit a long form application for the Society Technology Award Competition. Society level awards will be given out at the Winter Meeting scheduled to be held January 21-25, 2012 in Chicago, Illinois. Winners of the Society Competition will also be featured in the ASHRAE Journal.

For more information on the Technology Award Program, including application forms please visit the TEGA section of the chapter website at http://www.ashrae.ottawa.on.ca/ashraeoc_committees/ashraeoc_tega.shtml

Regards,
Georges Maamari
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Committee
Chair



Curling Bonspiel

by Chris Healey
2010-2011 OVC Committee Chair

The Chapter Curling Bonspiel has been booked for Friday March 4/11, and, as usual, will be held at the Nepean Sportsplex, 4 games of 4 ends, starting at 1:00 with dinner to follow. More details to follow in the February Communiqué.

If you would like to get a jump on the extravaganza, please contact Chris Healey by email (chris@walmart.net) or by phone (613-225-9774) to reserve a spot.

Thanks!

Chris Healey

Governor



Senators Ticket Giveaway

By Patrick Albert
2010-2011 OVC Governor

We will be raffling off 4 Senators tickets to see the Panthers take on the Senators on February 23rd, 2011!

Theses tickets have been donated by GENIVAR.



I WOULD LIKE TO THANK THE GUYS AT GENIVAR FOR THEIR SUPPORT IN ASHRAE RESEARCH!

We will be selling raffle tickets during the social, \$5.00 for one raffle ticket and \$10.00 for three raffle tickets. All proceeds go to ASHRAE research.

If you would like to donate some Senators game tickets to help ASHRAE research, please contact me at any time.

Patrick Albert, (patrick.albert@aireau.com)

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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

Table Tops for January's Meeting are:



Engineered Air, one of North America's largest fully integrated manufacturers of custom HVAC equipment, has set the new industry benchmark in operating efficiency with its new DJX Series of commercial and industrial furnaces.

Designed to address the increasing demands for higher operating efficiency, the DJX Series of furnaces are the only products currently in the market which offer 90% operating efficiency. The DJX Series units all meet or exceed ASHRAE 90.1 2007 and ASHRAE standard 189.1 for High Performance Building requirements.

Engineered Air has also added depth and breadth to their portfolio of options with the recent acquisitions of four companies: M&I East, M&I West, Creotech Industries Inc., and Jotek.

M&I East is an Ontario based manufacturer of patented air moving and exhaust products, and M&I West, is a Portland-based manufacturer of innovative flush clean room ceiling grid, clean room make up air handlers and recirculation air handling units for use in the Semiconductor and Pharmaceutical industries.

Creotech Industries Inc., and its sister company Jotek, are based in Barrie, Ontario and manufacture modular chillers, high temperature heat pumps and pump packages.

Please come see us at this month's ASHRAE meeting.

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Please take the time to talk to the reps as they will be happy to show you their new products.

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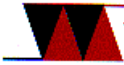
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