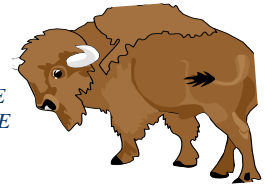




BUFFALO TALES

Newsletter of the Manitoba Chapter

The Manitoba Chapter of the American Society of Heating, Refrigerating and Air Conditioning Engineers was chartered in September 1935. It is the second oldest ASHRAE Chapter in Canada. ASHRAE Manitoba is part of ASHRAE Region XI and covers ASHRAE members in Manitoba and Northwest Ontario.



Shaping Tomorrow's Built Environment Today

ASHRAE Supper Meeting
Victoria Inn, 1808 Wellington Avenue
Thursday February 16, 2012
Research Promotion Night
Winnipeg James Armstrong Richardson
International Airport
'Opening and Beyond'

5:00 pm - Cocktails

6:00 pm - Dinner

6:45 pm – Winnipeg James Armstrong Richardson International Airport
'Opening and Beyond'

The New Air Terminal Building opened for operation on October 30, 2011. The weeks and days prior were filled with intense preparation, but the day before a major challenge arose. This presentation will revisit that day and many other insights into the completion of the project, as well as ongoing status.

Russell Lavitt is a partner and senior mechanical engineer at SMS Engineering. He has, and continues to provide significant service to ASHRAE Manitoba, ASHRAE Region XI and to ASHRAE at the Society level..

CONFIRM YOUR ATTENDANCE by the end of the business day February 14, 2012 by emailing Stephan Norsworthy at ashrae.mb@gmail.com. Indicate any special meal requirements (vegetarian, allergies, etc.)

ASHRAE dinner meetings are open to all. Non member cost is \$45. The cost for a first time guests accompanied by an ASHRAE Manitoba member is \$25. Pre-registration is required. To pre-register or to get information on the cost of ASHRAE events, e-mail ashrae.mb@gmail.com or visit www.ashraemanitoba.ca.

President's Message – Johann Baetsen, P. Eng.

February is typically considered the “cold” month where the temperature dips down to -40C/F for weeks on end. Ironically this would also be the month we typically have our refrigeration night, free cooling for everyone. This year February is turning out to be mild so we have pushed refrigeration night to April where cooling may be needed. This month we are focusing on research promotion (RP).



ASHRAE research is what drives our industry and keeps us relevant, and if we want the benefits, we need to support the effort. Our goal for this year is to reach \$13,000 toward research and we are on our way. I would like to thank all those individuals and companies that contributed last year and hope we can count on your support again this year. Individuals and organizations are encouraged to contribute to Research Promotion for ASHRAE Research Canada. Canadian contributions support research in Canada. For information on how ASHRAE Research benefits our industry and find out how you can contribute, contact me at jbaetsen@eppsiepman.com

On February 15th ASHRAE Manitoba will be hosting its first Young Engineers in ASHRAE (YEA) mixer. This will be a great time to get to know some future ASHRAE members and look for that bright individual that would be a perfect addition to your company. The response has been positive and I hope to see everyone there. Further details can be found below.

Coming Events

ASHRAE Online Courses - The schedule for ASHRAE's Spring 2012 Online Course Series can be viewed by clicking on [here](#).

Wednesday, Feb. 15, 2012 @ 6pm - YEA event (YEA is Young Engineers in ASHRAE, i.e., those 35 years and younger). **All ASHRAE members, YEA members and students are invited** for some fun industry based networking. Anyone interested in learning more about ASHRAE, our local chapter, or to just meet some new faces in the industry. **King's Head Pub & Eatery; 120 King's Street. Free appetizers and the 1st beer is on us.** Please email Scott Hammond (shammond@smseng.com) to register for this event.

2012 Supper Meetings– March 15 and April 12, 2012.

March 12-13, 2012 - ASHRAE High Performance Buildings Conference: A Focus on Deep Energy Savings in Mission Valley, Calif. A technical applications track will focus on strategies, technologies, tools, measured performance and optimal operations. A policy track will focus on current and future legislation and related programs in the areas of standards, performance rating and labeling, disclosure laws, etc. The conference targets both existing and new construction non-residential buildings. For more information on this escape from the last vestiges of winter, visit www.ashrae.org/HPBconference.

March 2012 - Fire, Smoke Damper Installation Seminar – ASHRAE Manitoba will be hosting a seminar dedicated to fire dampers, smoke dampers and ceiling dampers in HVAC systems. The

intent is to provide contractors, system designers and code officials with an understanding of the codes and regulations as well as illustrating the specific installation methods in HVAC systems. Stay tuned to the Buffalo Tales for details.

April 19, 2012- ASHRAE Free WebCast - “Dedicated Outdoor Air Systems: A Path to Balancing Energy and IEQ” - the role of DOAS in the overall HVAC system, characteristics of DOAS with a parallel system vs. conventional all-air systems, various DOAS equipment configurations & typical applications, issues and challenges unique to DOAS and common design and operational pitfalls. The Webcast will be live on April 19 and available to view as an archived file until May 3 2011. Registration details will follow in time.

April 24, 2012 – 11th Annual Better Buildings Conference & Exhibition, Winnipeg Convention Centre - the premier event for promoting sustainable design practices, highlighting successful projects in Manitoba, and showcasing products and services related to the buildings industry. For more information, [visit the Better Buildings Conference and Exhibition website](#).

May 11 - 14, 2012 – Region XI CRC in Winnipeg – This is where incoming ASHRAE chapter officers learn the ropes for their new duties. Russell Lavitt and the organizing committee have already started planning the event, but it’s not too late for you to get involved, too.

October 1-3, 2012 – Energy Modeling Conference – Tools for Designing High Performance Buildings in Atlanta, will guide building design professionals using currently available building and energy modeling tools on what does and does not work and provide ‘workarounds’ to improve the results when the modeling tool is not be capable of modeling unique or hybrid buildings or energy systems. For more information, visit www.ashrae.org/EMC2012

November 11 to 14, 2012 – The 7th International Conference on Cold Climate HVAC in Calgary – will provide strategies by which scientists, designers, engineers, manufacturers and other decision makers in cold climate regions can achieve good indoor environmental quality (IEQ), with a minimum use of resources and energy. The planning committee seeks papers featuring innovations in cold climate HVAC design. **Abstracts are due by Dec. 1, 2011.** For specific topics, to submit a conference paper abstract or for more information, go to www.ashrae.org/ColdClimate. For additional information, contact meetings@ashrae.org.

ASHRAE has a New Logo

For more than 100 years, ASHRAE has provided guidance for HVAC&R. As time and technology have changed, so has ASHRAE, moving from focusing solely on HVAC&R to providing guidance for total building design, reconstruction, construction and operation.

In recognition of this evolution, ASHRAE is making some changes regarding how we brand the Society. Our promise for sustainability encourages us to improve the quality in the built environment while leaving a lasting legacy for future generations. The new ASHRAE brand supports our focus on improving engineering standards and our market position as a community of engineers and related professionals united by knowledge, mission and a code of ethics to design, construct and operate better places for people to live, work and play.



Market research showed us that the ASHRAE logo had a dated brand presence (the logo was created in 1959 to recognize the merger between The American Society of Refrigerating Engineers and the American Society of Heating and Ventilating Engineers) and that we needed a more modern look that fully reflects the evolving structure of the Society and our aspirations. Along with this, we have created a tagline to help explain to outside audiences the expanded role of ASHRAE in the world around us. “Shaping Tomorrow’s Built Environment Today” presents ASHRAE as the dynamic and innovative Society it is today and promises our members, the industry and the world that whatever the future brings in the built community, ASHRAE will be at the forefront for research and guidance.



Lastly, we are doing business as “ASHRAE” vs. using our full legal name of the American Society of Heating, Refrigerating and Air-Conditioning Engineers. Use of ASHRAE reflects our global membership and that our services will continue evolving globally.

Coinciding with this is a major revision of our website, ASHRAE.org with better navigation, a better search engine and better tracking, all of which will help you find the information you need whether it’s for your role in the industry or ASHRAE. The change has meant that all ASHRAE links have changed, so ASHRAE geeks will have to search for and reset all their favourite ASHRAE links.

What is the Chapter Technology Transfer Committee (CTTC)?

CTTC (www.ashrae.org/cttc) is an amalgamation of three old time ASHRAE chapter functions - programs, refrigeration and TEGA (technical, energy and government activities). ASHRAE’s CTT Committee is made up of representatives (Regional Vice Chairs) from ASHRAE’s fourteen regions. CTTC reports to Members Council. CTTC aims to provide ASHRAE Chapters with:

- Chapter Chair training to inform Chapter Chairs about resources and programs available to help them make their Chapters successful
- tools, information and resources to develop, maintain and deliver high quality Chapter programs
- information about HVAC&R industry developments
- a conduit for communications between the grassroots (i.e., Chapter members) and the Society level committees that develop ASHRAE standards, write the ASHRAE handbooks and manage ASHRAE research projects.

Jeff Gatlin, who served on CTTC from 2008 to 2011 well-expressed the importance of CTTC Chapter Chairs to the overall health of ASHRAE when he said *"Without effective CTTC Chapter Chairs, Society fails. If we can't get people to a meeting in a well lit, comfortable location; with an engaging, easily understandable speaker; to hear a timely topic of broad interest; with a quality meal; and in a convenient location....they won't stay in ASHRAE nor encourage their colleagues to join (MP fails); they won't donate to research (RP fails); they won't encourage students or young engineers to participate (oops there go Student Activities and YEA). You get the point. We in the CTTC business are Society's contacts to the membership. WE make the first impression."*

In addition to providing Chapter Chair training at CRCs (Chapter Regional Conferences), CTTC administers the Distinguished Lecturer Program, ASHRAE Webcasts and ASHRAE's Technology Awards program.

ASHRAE's "Distinguished Lecturer" program (www.ashrae.org/distinguishedlecturers) identifies internationally recognized industry expert presenters who will make presentations to ASHRAE chapters. ASHRAE provides financial assistance for approved Distinguished Lecturer visits, enabling even small Chapters to occasionally host world class programs.

For the past several years, ASHRAE has hosted a three-hour webcast on a topic which the grassroots membership has identified as being of current interest. These webcasts are free to all, but require pre-registration. The April 2011 webcast was on ground source heat pumps. The 2012 webcast "Dedicated Outdoor Air Systems - A Path to Balancing Energy and IEQ" is scheduled for April 19. (www.ashrae.org/doaswebcast).

ASHRAE's Technology Award/Award of Engineering Excellence program (www.ashrae.org/technologyawards) recognizes ASHRAE members who design and/or conceive innovative technological concepts *that are proven through actual operating data*. Awards are given for new and retrofit applications for several categories of buildings, industrial facilities and processes. Chapter award winners can be submitted into Regional competitions, and Regional winners are invited to compete for Society level Awards. Applications are judged with respect to energy efficiency, indoor air quality, innovation, operation & maintenance, cost effectiveness, environmental impact and quality of presentation. Society level award winners get written up in the ASHRAE Journal, publicity you just can't buy.

CTTC is also responsible for grassroots GA (Government Activities). ASHRAE encourages its Chapters to promote the adoption and enforcement of ASHRAE standards on energy efficiency, indoor air/environment quality, etc. to State, Provincial and local governments. In addition to improving building stock, universal adoption of specific codes and standards will reduce the complexity of rules and regulations faced by the design and construction communities.

ASHRAE Technology Awards Highlight Outstanding Building Projects

The ASHRAE Technology Awards recognize outstanding achievements by members who have successfully applied innovative building design. Their designs incorporate ASHRAE standards for effective energy management and indoor air quality. The awards communicate innovative systems design to other ASHRAE members and highlight technological achievements of ASHRAE to others around the world. Winning projects are selected from entries earning regional awards.

If you have designed an innovative project, consider submitting it for an ASHRAE Technology Award. Winners get international recognition including being written up in the ASHRAE Journal. This is publicity and recognition you can't easily buy, but you can earn. For details on how to enter or for more information on past winners go to <http://www.ashrae.org/members/page/1646>



Pictures from the December Supper Meeting and Cribbage Tournament – Above are the Chapter Past Presidents that were in attendance. At left, intense action and high anxiety at the card table.

A thief broke into the local Police station and stole all the toilets and urinals, leaving no clues. A police spokesperson was quoted as saying, "We have absolutely nothing to go on."



The following is a great video clip on why you should go for a walk
<http://www.youtube.com/watch?v=aUalnS6HIGo&noredirect=1>

ASHRAE Manitoba Chapter Officers

| | | | | |
|---------------------|--------------------|------------------------------|----------|-----------------------------------|
| President | Johann Baetsen | Epp Siepman Engineering | 453 1080 | jbaetsen@eppsiepman.com |
| President Elect | Corey Nation | EH Price | 982 2222 | coreyn@price-hvac.com |
| Vice President | Stephen Norsworthy | SNC-Lavalin Inc. | 786 8080 | stephen.norsworthy@snclavalin.com |
| Secretary | Mark Windeatt | Engineered Air | 632 8535 | mark.windeatt@engineeredair.com |
| Treasurer | Doug Castor | EH Price | 982 2220 | DougC@price-hvac.com |
| Board of Governors | Sergio Almeida | Geo-Xergy Systems Inc. | 255 5959 | sergio@geoxergy.com |
| | Robert Bisson | Public Schools Finance Board | 945 8452 | robert.bisson@gov.mb.ca |
| | Peter Gryc | SMS Engineering Ltd | 789 2346 | pgryc@smseng.com |
| | Daryl Friesen | Midwest Engineering Ltd | 989 3636 | daryl@midwesteng.mb.ca |
| Technology Transfer | David Surminski | Price Industries | 661 7866 | DavidS@price-hvac.com |
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| Research Promotion | Jesse Sandhu | Tetra Tech | 954 6902 | Jesse.Sandhu@tetrattech.com |
| Student Activities | Scott Hammond | SMS Engineering Ltd | 789 2323 | shammond@smseng.com |
| Honors and Awards | Vacant | | | |
| Newsletter Editor | Bert Phillips | UNIES Ltd | 633 6363 | phillips@unies.mb.ca |
| Homepage Editor | Stephen Norsworthy | SNC-Lavalin Inc. | 786 8080 | stephen.norsworthy@snclavalin.com |
| 2012 CRC Chair | Russell Lavitt | SMS Engineering Ltd | 789 2312 | rlavitt@smseng.com |
| Programs | David Surminski | Price Industries | 661 7866 | DavidS@price-hvac.com |
| Refrigeration Chair | Brian Blahey | Lowe Mechanical Services | 233 3292 | bblahey@lowecanada.com |
| Accommodations | Stephen Norsworthy | SNC-Lavalin Inc. | 786 8080 | stephen.norsworthy@snclavalin.com |
| Chapter History | Robert Bisson | Public Schools Finance Board | 945 8452 | robert.bisson@gov.mb.ca |
| YEA | Scott Hammond | SMS Engineering Ltd | 789 2323 | shammond@smseng.com |
| Special Events | Corey Nation | EH Price | 982 2222 | coreyn@price-hvac.com |

ASHRAE Region XI Officers

| | | | | |
|---------------------------|--------------------|-------------------------------------|-----------|--------------------------------------|
| Director & Regional Chair | Erich Binder | Erich Binder Consulting | Calgary | erich.binder@worleyparsons.com |
| Assistant Regional Chair | Kevin Marple | Benz Air Engineering | Portland | kmarple@benzco.com |
| Technology Transfer | Eileen Jensen | Bonneville Power | Portland | nejensen@bpa.gov |
| Membership | Murdoch MacPherson | MacPherson Engineering | Regina | m.macpherson@mac-eng.ca |
| Student Activities | Doug LeCren | Colt Engineering | Anchorage | douglas.lecren@nanworleyparsons.com |
| Young Engineers in ASHRAE | Tariq Amlani | Stantec | | tariq.amlani@stantec.com |
| Resource Promotion | Ray Sieber | Sask. Research Council | Regina | sieber@src.sk.ca |
| Nominating Committee | Norm Grusnick | ECCO Manufacturing | Langley | ngrsnick@ecomfg.com |
| Regional Historian | Kevin Marple | Benz Air Engineering | Portland | kmarple@benzco.com |
| | Bill Dean | National Research Council of Canada | Saskatoon | bill.dean@nrc-cnrc.gc.ca |
| Treasurer | Rob Craddock | Inland Metal Manufacturing | Regina | rob@inlandmetal.ca |
| Web Page Editor | Kathy Habke | SAC ASHRAE | Calgary | chapter.administrator@sac-ashrae.com |
| 2012 CRC Chair | Russell Lavitt | SMS Engineering Ltd | 789.2312 | rlavitt@smseng.com |

ASHRAE needs you, but more importantly you need ASHRAE. ASHRAE always has room for more professionals, just like you. For information regarding ASHRAE membership, contact Manitoba Membership Chair Stephen Norsworthy (ashrae.mb@gmail.com) or visit ASHRAE Manitoba at www.ashraemanitoba.ca

ASHRAE, founded in 1894, is an international organization of 50,000 persons. Its sole objective is to advance through research, standards writing, publishing and continuing education the arts and sciences of heating, ventilation, air conditioning and refrigeration to serve the evolving needs of the public. Visit ASHRAE at www.ashrae.org.

Statements in this publication are not expressions of the Society or of the Chapter.

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