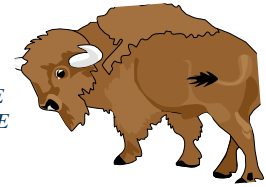




BUFFALO TALES

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 December 13, 2012
Annual Cribbage Tournament
History and Past Presidents Night

5:00 pm - Cocktails

6:00 pm – Dinner

6:45 pm

Ryan C. Einarson, G.S.C.
The HVAC Contracting Industry
A Look Back, and Ahead

Ryan C. Einarson is a certified Red Seal journeyman plumber, gasfitter and holds numerous other industry accreditations, one being a Canadian Association Gold Seal Certification (GSC). His experience includes positions as Project Manager, Estimator, General Manager, Supervisor and Mechanical Systems Installer. Ryan is a licensed mechanical contractor and sits as President of the Winnipeg Construction Association. As well, he represents the industry on the Manitoba Apprenticeship Trade Advisory Board and is a past president of the Mechanical Contractors Association of Manitoba. He is currently the principal partner and President of Westwood Mechanical Inc. where he oversees the operations of the company and acts as a mentor at all levels.

Having been a part of the construction industry since 1974, Ryan has some unique perspectives on the HVAC industry in Manitoba. For our history night presentation, he will share his perspectives, with a particular focus on:

- The history of Westwood Mechanical Inc.
- The history of HVAC Contracting.
- The future of HVAC Contracting.

Ryan's presentation will be followed by the Cribbage Tournament at approximately 7:30 pm.

CONFIRM YOUR ATTENDANCE by the end of the business day December 11, 2012 by emailing Sam Frenette 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 - Corey Nation, P. Eng

Hey Gang, we've made it to the two month mark and I haven't broken ASHRAE yet; so far, so good! I also haven't heard anybody complain about my ramblings so that means you get more.

Two great meetings so far. I am disappointed I couldn't be there for the November lunch meeting. I think a new trend is starting. We've had a lunch meeting in November the last two years and both times the president could not attend. So Stephen, the onus is on you to come up with a good excuse to miss next year!



The December meeting should be another good one. I always enjoy crib night. Maybe one year I will win the thing. It's a great time for everyone to sit down and get to know each other. It's also a good way to learn the game if you are up for it. We all help each other out. Just watch out for those sales guys though, we might pull a fast one on you and before you know it the games over.

We also have a great topic for the night. We get a look into the past and the future from one of our local contractors, Ryan Einarson. It will be nice to hear from the contractor side of things on how we are all doing in this industry and where it looks like it's heading.

I'm not sure if everyone is like me but we are also at month three of the NHL lockout and I miss my Jets! So I thought I would give you a little taste of hockey. I'm the guy with the big equipment, the goalie. I know what you are going to say...that's not ice hockey, but it's the best I could do! So if you are having troubles with getting your hockey viewing fix in, I play Monday nights at Gateway CC. Admission is free! All you pay for is your patience and time and after watching us play, that could be a lot to charge.

As always, I hope to see you all at the December meeting. I would also like to wish everyone a happy holidays and I look forward to a great new year!

Your President,
Corey Nation, P. Eng.

I got off the phone with a friend in Saskatoon. He says that it has been snowing heavily there since early Sunday morning. The snow is now nearly waist high and is still falling. It is bitterly cold, the north wind is howling as temperatures plummet further. He says it breaks his heart to see his wife who has been doing nothing but standing there, looking longingly through the kitchen for the past several hours. If this goes on much longer, he says he is going to let her in.

Coming Events

January 8, 2013 - ASHRAE Manitoba Board of Governors meeting will be held at 8:00 am at 101 Elan Blvd (EH Price Winnipeg Sales Office). Other BOG meetings are tentatively scheduled January 29, February 26, March 26 and April 30.

January 17, 2013 - University of Manitoba Physical Plant tour and Student Night. Other ASHRAE meetings in the new year are February 14 (lunch), March 14 and April 11.

January 26-30 - ASHRAE's 2013 Winter Conference and the AHRI Trade Exhibition in Dallas, Texas. For further details see the article below or go to www.ashrae.org/dallas.

April 23 and 24, 2013 - Better Buildings Workshop and Conference - the conference on April 24 will be preceded by a workshop on April 23. The workshop will feature an ASHRAE Distinguished Speaker presenting on an as yet to be determined topic.

Fire Damper Workshop – date yet to be determined

ASHRAE Conference in Dallas – Advance Registration Ends December 31!

Advance registration for ASHRAE's 2013 Winter Conference, Jan. 26-30, Dallas, Texas closes on Dec. 31. The technical program features more than 200 sessions addressing energy conservation; facility management; standards, guidelines and codes; HVAC&R systems and equipment; HVAC&R fundamentals and applications; and refrigeration. One particular track of note is Industrial and Transportation Ventilation, focusing on the industrial and manufacturing sector prevalent in Texas. The full Technical Program offers the opportunity to earn a year's worth of PDHs, NY PDHs, AIA LUs and LEED AP credits and runs Jan. 27-30. Registration for the conference is open. Information on the Conference - www.ashrae.org/dallas

Student/ Young Engineers in ASHRAE (YEA) Mixer, 5:00 – 6:30 PM, FREE w/Registration

As students transition from college to the professional world, this opportunity to meet and greet young professionals in ASHRAE provides students with the opportunity to get in-depth information about the industry and growth opportunities within ASHRAE. Food, drinks and prizes will be available. The Student/YEA mixer is **Saturday January 26**.

Attention **young professional members age 35 and younger!** You are invited to **visit the YEA Hospitality Suite on Sunday, Jan. 27**, from 4-7 p.m. The suite offers social and networking opportunities and light refreshments will be served. For more information on Young Engineers in ASHRAE and their activities, please visit www.ashrae.org/yea.

ASHRAE Cold Climate Conference Review – Robert Bisson

A number of local ASHRAE members headed out to downtown Calgary to take part in the Seventh International Cold Climate HVAC Conference November 12-14, 2012. The conference was organized ASHRAE and its European counterparts, SCANVAC and REHVA. In addition to Canada and the US, the conference was host to representatives of the Scandinavian countries, United Kingdom, Czech Republic, Latvia, Estonia, China and South Korea. Erich Binder ARC for Region XI and Bert Phillips were key organizers for the conference.

The Conference opened with welcome statements from representatives of the participating organizations, including a keynote address from ASHRAE Society President, Tom Watson. Attendees had a choice to select either of two conference streams: HVAC or Building Envelope. One of the points that I recalled was the testing of displacement ventilation systems under heating mode performed better than expected for ventilation effectiveness. There is also a lot of effort being taken in researching and designing heat pumps so they can operate in colder temperatures. One memorable presentation from one of the luncheon keynote speakers detailed the challenges surrounding the design and construction of the Halley VI Research Station in the Antarctica. As the station was modular in design, these components were towed into location on skis. They also have to be jacked up periodically as to not be covered in snow.

The afternoon tours were also well attended. The first day featured tours of the new Westjet offices and the Calgary Zoo penguin exhibit. Of particular interest in the Westjet office HVAC was the incorporation of the geothermal loops of the structural pile for the building. The second day tours offered the choice of either the University of Calgary or SAIT Polytechnic. ASHRAE Manitoba Past President Tim McGinn led the tour of the Energy Environmental Experimental Learning Centre at U of Calgary and presented the integrated building features including extensive use of daylighting and natural ventilation through the atrium, earth tube ventilation preheat and chilled water storage. The building is targeting a LEED Platinum designation.

On the last day, we were presented various methods to naturally ventilate buildings in the UK. The final presentation was given by a fellow Manitoban Ed Lohenz who gave an overview of district geexchange system and diesel generator waste heat recovery in a remote northern community. Following the conference, a full complement of participants attended the workshop for the upcoming ASHRAE Cold Climate Design Guide.

In summary, this conference provided a good insight of the challenges and possible solutions for design issues that are encountered by various countries in northern climates. The tours and evening dinners also provided a chance to mingle with other participants. The next Cold Climate HVAC Conference will be held in China in 2015.

Student Activities Update - James Bain

If any of the newsletter's loyal readers have a suggestion for Student Activities or would like to volunteer please contact James.Bain@Trane.com.

Why "pound" is abbreviated "lb." and "ounce" abbreviated "oz."

In Latin, "libra" meant "scales, balances," as represented in the zodiac sign for the constellation Libra. The Romans also used libra to denote a unit of weight now estimated to have been about 327 grams. A pound, at 454 grams, is somewhere in the ballpark of the weight of a Roman libra, so the ever precise English adopted lb. as the abbreviation for pound.

"Oz." is an abbreviation of the old Italian word "onza," now spelled "onzia." Onza, in turn, is derived from the Latin "uncia," which meant one-twelfth. An uncia was 27.29 grams, which is one twelfth of a libra. Our current ounce (28.35 grams) is quite close to the original Latin uncia. (Uncia, by the way, is also the origin of "inch," one-twelfth of a foot.)

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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 Sam Frenette samuelf@price-hvac.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.

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