



Pile of Bones

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President's Message

by *Heric Holmes*

Hi Everyone!

October will be an exciting month for ASHRAE. ASHRAE is a sponsor of the [Building Saskatchewan Green](#) conference on the 15th of October. Tom Watson, the Treasurer of ASHRAE Society, will perform the morning Keynote Speech, as well as provide technical training during the conference. All ASHRAE members can receive a 20% discount to the conference by contacting [Hamish Tulloch](#).

Our monthly meeting is moved to Thursday, October 14th. Tom Watson will be providing an overview of ASHRAE Society and the direction ASHRAE is heading in the future. Tom will also provide an overview of the proposed ASHRAE building rating system and ASHRAE Standard 189.1.

The tickets to the Christmas Social have sold well. My wife and I are looking forward to it. Thanks to everyone who purchased tickets!

We are looking for volunteers for the ASHRAE research golf tournament to be held in June. If you are interested in helping out please contact [Trevor Hobman](#).

I hope to see everyone at the meeting.

Meeting Notice

Thursday, October 14, 2010

Hotel Saskatchewan - Radisson Plaza
2125 Victoria Ave. Regina, SK

5:15 pm - Cocktails

5:45 pm - **ASHRAE Overview &
Updates by Tom Watson, P.E.**

6:45 pm - Dinner

7:30 pm - Chapter Meeting

Upcoming Events

November 10, 2010 - Next Chapter Meeting

November 25, 2010 - Chapter Christmas Party

Please note: Kris Pockett has sent out the 2010/2011 Chapter dues invoices. Please remit your payment as soon as possible, if you haven't done so already. If mailing, the payment should be sent to the Post Office Box number noted on the invoice. Feel free to bring your cheques to this month's meeting as well. Anyone that has not received their invoice, please contact us via email: ashraeregina@accesscomm.ca.

Technical Program for October

Speaker: ASHRAE Distinguished Lecturer – Thomas E. Watson (from McQuay International) will present an ASHRAE overview, which will include the development of ASHRAE Standards, ASHRAE Building Rating System, and ASHRAE Building Design Guides. The presentation will also discuss the responsibilities of ASHRAE with respect to climate change and the retrofit of existing buildings.

THE 2010-2011 ASHRAE REGINA BOARD OF GOVERNORS

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Regina Chapter Email Address:
<mailto:ashraeregina@accesscomm.ca>

Regina Chapter Website Address:
<http://regina.ashraechapters.org/>

Happy Thanksgiving!



2010/2011 MEETING & EVENT SCHEDULE

September 15, 2010
Tech. Talk: Ed Niznik of Refrigerative Supply Ltd.
Speakers: Garry Wasyliw, Manager of Building Standards & Brian Woronoski, Manager of Mechanical Review from the City of Regina

October 14, 2010
Distinguished Lecturer: Tom Watson -
ASHRAE Overview & Updates

November 10, 2010
Panel Discussion on “Commissioning for High Performance Buildings”

November 25, 2010
Christmas Social Event: Casino Regina Show Lounge (Featuring the Original Blues Brothers Revue & Learn to Gamble)

January 12, 2011
Presidential Visit - Lynn Bellenger

February 9, 2011
Tentative
Distinguished
Lecturer

March 9, 2011
Tentative Tour:
Loblaws Facility

April 13, 2011
Student Night

April 21, 2011 - ASHRAE Society Satellite Webcast
Ground Source Heat Pump Systems –
Putting the Earth to Work for You

May 11, 2011
Tech Talk: TBD
Speaker: TBD

June 2011
ASHRAE Research Golf Tournament



COMMITTEE CHAIR REPORTS

Student Activities

by Janel Walter

The 4th Year Students are still looking for some project ideas! The students require their project outline to be submitted in the next couple of weeks so the sooner we get them some ideas the sooner they can breathe easier. Please submit your ideas to myself at jwalter@hdaeng.com. This year it is our goal to encourage the students attending the U of R engineering program to take a higher interest in HVAC systems. The 4th year project is a perfect opportunity. In addition to encouraging the student's interest in HVAC systems and our ASHRAE chapter, we hope to see some more HVAC related project presentations at Student Night in April.

Could all chapter members please bring with you any old ASHRAE handbooks to the meeting that you would like to donate to the University of Regina. If you have handbooks to donate and cannot bring them to the meeting, please contact me at jwalter@hdaeng.com to make arrangements to get them to the University.

Thank you for your help!



Congratulations to Jason and Carol Danyliw and big sister Janay on the arrival of Aleah Karen! Aleah was born on October 1st, weighing in at 6lbs, 11 oz.

President Elect & CTTC

by Jason Danyliw

This month, we have the privilege of having an ASHRAE Distinguished Lecturer. Thomas E. Watson (P.E., Fellow ASHRAE, McQuay International) will present a general ASHRAE overview, which will include the development of ASHRAE Standard 189.1, the new ASHRAE Building Rating System, and the ASHRAE 90.1 Building Design Guides. The presentation will also discuss the responsibilities of ASHRAE with respect to climate change and the retrofit of existing buildings.

About Thomas E. Watson:

- Tom Watson, Chief Engineer of McQuay International, is active in industry associations, concentrating on Advance Technology and Reliability Engineering.
- As ASHRAE Society Treasurer, he serves on the Board of Directors as well as various other committees.
- Tom is a holder of five patents.
- Tom is a Licensed Professional Engineer in the State of Virginia.

We look forward to seeing a large chapter attendance to welcome Tom, hear a very interesting presentation, and to also show your continued support for the Regina ASHRAE Chapter.

We have a few meetings with tentative presentations, but not yet confirmed. So if anyone has other suggestions for programs that they would like to see this year, please forward them to myself at jason@skhvac.com.

Past President & Research Promotion Chair

by Greg Fluter

I survived my trip to Las Vegas for the ASHRAE Research Centralized Training course a few weeks ago. I gained some good knowledge about how to raise money, so look out I'll be calling soon! Too bad I gambled all of last month's 50/50 winnings away. I tried to double it. Just kidding!

We're looking to try something new to raise money at the Chapter Meetings instead of the 50/50 draw. Currently most winners of the 50/50 draw are donating their winnings back to ASHRAE Research. We appreciate everyone doing this, but it doesn't give a

reward for donating. Other chapters have changed to having a raffle at their meetings. How this works is someone (a company or an individual) donates some sort of prize (like a pair of Rider game tickets, dinner gift certificates, concert tickets, etc.) and tickets are sold at the meeting (similar to how we do it now) and at the end of the meeting a winner of the prize is drawn. All the money raised from the raffle goes to ASHRAE Research in the prize donator's name. Other chapters have indicated they have had good success with this. If anyone has any kind of prize they'd like to donate please contact [me](#).

The golf committee held a meeting a few weeks ago about how to tie in the Research Campaign with the golf tournament. We have another meeting scheduled for the end of October. More details will follow in the near future.

Membership Promotion Chair

by Rob Craddock

We will be having our first of 2 membership nights this month, as our chapter has extended invitations to everyone who is registered for the Building Saskatchewan Green Sustainable Building Conference on October 15th. Our chapter is fortunate to have Society Treasurer Tom Watson as our speaker for this month's meeting and a keynote speaker at the BSG conference.

With this being one of our membership nights, if you know of anyone who you think would be interested in joining or would benefit from being an ASHRAE Member, please bring them along to the chapter meeting.

Our chapter sent Alana Yip to the YEA (Young Engineers in ASHRAE) weekend that was held October 1st through 3rd in Atlanta, GA.

I have attached the links to the ASHRAE website for Membership applications and to upgrade your membership.

Membership Application

Application To Upgrade Membership

Please log into the ASHRAE web site and make sure your Bio is up to date and accurate. If you want to join any of the many society TCs (Technical Committees) or become involved at the Regional level or Society level you will need to keep this up to date.

Vice President & Newsletter Chair

by Alana Yip

As Rob mentioned I was in Atlanta this past weekend for the Young Engineers in ASHRAE Leadership Weekend. There were 44 other YEA members from all over North America, including one member who came all the way from the Philippines. There were 10 Canadians there, so we were well represented! The weekend started with ice breakers and games. Saturday morning started with a tour of the ASHRAE Head Quarters, outlining the process of achieving LEED Platinum and the mechanical systems they have in place. They are working with all of their equipment to continually optimize their performance and improve operating efficiency. We then got to utilize one of the conference rooms for the day, where ASHRAE member Barry Benator led us in a discussion and opportunity to discover our personality types with the Myers-Briggs Type Indicator. It was interesting to see the variety of personalities in a room full of engineers. The afternoon had us learning about characteristics and competencies of outstanding leaders. After the discussions and examples of what these characteristics look like, it will help all of us to become great and competent leaders in our work places, industry and life. On Sunday morning we discussed effective communication skills with Barry. Then Tariq, the Region's YEA Member, led us in a discussion on establishing and improving the YEA chapter and YEA membership in each of our chapters. Overall, the weekend proved to be an excellent opportunity to meet other YEA members, learn my personality type and other leadership qualities. I'd like to extend a huge thanks to the ASHRAE Regina Chapter for sending me to this event!

ASHRAE HVAC&R Industry eNewsletter

If you wish to subscribe to the ASHRAE HVAC&R Industry eNewsletter, e-mail subscribe-eneews@ashrae.org with "Subscribe this address to The HVAC Industry eNewsletter" in the e-mail subject line.

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ASHRAE Learning Insitute

The ASHRAE Learning Institute is offering on-line courses. There are 2 ways to register:

1. Internet : <http://www.ashrae.org/onlinecourses>

2. Phone: Call toll-free at 1-800-527-4723 (US and Canada) or 404-636-8400 (worldwide)

NOTE: You may register up to 24 hours prior to an online seminar. Course times are in Eastern US Time Zone.



ASHRAE HeadQuarters in Atlanta, GA.



ASHRAE Design Competition Gives Students Hands-On Experience in Practical Design

ATLANTA—Engineering practices such as BIM, geothermal and combined cooling, heating and power are highlighted in the winning entries in the 2010 ASHRAE Student Design Competition .

This year's Student Design Competition featured a mock design of the Ginsburg Tower at Florida Hospital in Orlando, Fla. This structure, the tallest hospital building in the state, is a 15-story patient tower that contains the Florida Hospital Cardiovascular Institute, 440 patient beds and one of the largest emergency departments in the country. Among the 31 entries from around the world, three in particular stood out as first place winners in the three categories that the Competition offers.

First place in HVAC System Design is awarded to Nathaniel Boyd, Michael Angell, Justin Wiese, Edward Gillett and Trong Duc Nguyen, of University of Central Florida, Orlando, Fla. Their faculty advisor is Marcel Ilie, Ph.D. After constructing a complete building information model (BIM), the students chose a constant volume air-handling unit as the primary air source and latent load control, and onsite combined cooling, heating and power (CCHP) plant based on a bank of micro-turbines fueled by natural gas. These HVAC systems eliminate nosocomial infections via proper ventilation directional control and would provide uninterrupted HVAC service to hospital occupants, even during natural disasters, as well as reduction of environmental and economic impact of the HVAC design.

First place in HVAC System Selection is awarded to Matt Kolins, Joel Wheeler, Nicole Vogt, Jared Palan, Todd Kuno and Zac Buckmiller, of Kansas State University, Manhattan, Kan. Their faculty advisors are Fred Hasler, P.E. and Julia Keen, P.E. The students selected a combination of air handling units with patient room heat pumps, chillers and cooling towers and shell-and-tube heat exchangers. Additionally a geothermal loop in Lake Estelle, adjacent to the hospital, acts as a heat sink. Not only is the system environmentally conscious, but also has the best return on investment.

First place in Integrated Sustainable Building Design is awarded to Ryland Phelps, Carolyn Lamb and Amy Rose Keyzer, of Lawrence Technological University, Southfield, Mich. Their advisors are Daniel Faoro and Janice Means. The students set out to design a sustainable and energy efficient building without

sacrificing visual appeal, while responding to climate conditions and surrounding buildings and forms. They were able to achieve this by using water reducing fixtures in all bathrooms, supplying alternative energy through photovoltaic panels and architectural fabric, using geothermal wells and evacuated tubes to reduce loads on mechanical equipment and implementing a daylighting system to reduce lighting loads and bring daylight into the building.

The first place teams are given 10-15 minutes to present their projects at the 2011 Winter Conference in Las Vegas, Nev., Jan 29-Feb. 2.

ASHRAE '11 - ASHRAE hold all the sustainability cards, Winter Conference to be held in Las Vegas

ATLANTA—Las Vegas, Nev. continues to build upon its reputation as a vibrant showcase for the extraordinary by offering the grandest hotels, the biggest stars in entertainment and, of course, the brightest lights. It's no wonder that the world's biggest HVAC Expo and the largest membership-based HVAC&R engineering society have chosen the city as the site of the ASHRAE 2011 Winter Conference and AHR Expo.

The extravagant setting of Las Vegas serves as a unique contrast to ASHRAE's Winter Conference theme of A Safe Bet: Zero-Energy Design. It is sure to highlight the importance of finding the balance in design. The 2011 Winter Conference takes place January 29-February 2 at the Las Vegas Hilton. The International Air-Conditioning, Heating, Refrigerating Expo®, held in conjunction with the Winter Conference, will run January 31-February 2. The Expo is held at the Las Vegas Convention Center, a short distance from the Hilton, the Conference headquarters hotel.

In keeping with ASHRAE's goal of continuing education the Conference offers over 200 Professional Development Credits, as well as Continuing Education Units, which can be applied toward a Professional Engineering license.

The technical program features more than 90 programs and 300 speakers addressing the efficient use of energy in new and existing buildings, refrigeration updates, applications including data centers, laboratories, healthcare facilities, the real cost of zero-energy design and other topics related

related to design, standards, codes and professional skills. Nearly all of the technical program sessions will be approved for NY PDHs and by USGBC for GBCI CE hours for LEED professionals. The Las Vegas Virtual Conference, included with paid attendees' registrations, will be available to non-attendees.

Six Professional Development Seminars and 14 Short Courses are offered to help industry professionals stay up-to-date on industry trends. ALI offers a new course on building energy modeling that focuses on HVAC&R systems and updates to courses covering Standards 62.1 and 90.1 to reflect changes in the 2010 versions of these standards from previous versions.

Additionally, ASHRAE continues to listen to the market and launches a sixth certification program in conjunction with the 2011 Winter Conference. This new program targets Energy Assessors/Energy Auditors and is appropriate for those individuals who perform energy assessments or audits for commercial, industrial or residential buildings. More information can be found at www.ashrae.org/certification.

This winter's technical tours spotlight how technology developed by ASHRAE members is practically applied to buildings and include the central plant at Planet Hollywood and MGM Center and Springs Preserve.

When members are not attending courses at the Conference, observing the technological advancements featured at the AHR Expo or touring the local sustainable buildings there are numerous general tours

such as Hoover Dam, Springs Preserve, the Venetian Grand Canal Shoppes, the Bodies and Titanic exhibits and the Las Vegas Strip.

Those who take part in the early-bird registration before December 31 have the opportunity to save up to \$195. Complete information is available at www.ashrae.org/lasvegas.



Las Vegas, Nevada



January 29-February 2

Regional XI Executive

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Assistant Regional Chair

Kevin Marple Oregon Chapter

Membership RVC

Murdoch MacPherson Regina Chapter

Research Promotion RVC

Ray Sieber Regina Chapter

CTTC RVC

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Student Activities

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Regional Historian

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Regional Treasurer

Rob Craddock Regina Chapter

Nominating Delegate

Kevin Marple Oregon Chapter

Nominating Alternate

Norm Grusnick B.C. Chapter

YEA Member

Tariq Amlani B.C. Chapter

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If this newsletter was passed on to you and you would like to be added to the mailing list, please email me at alana.yip@sasktel.sk.ca. Also, if there are any comments regarding this newsletter, please drop me an email.