



Pile of Bones

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President's Message

By Carla Spriggs

Happy 50th Anniversary Regina Chapter! It was really great to see everyone and their loved ones come out enjoy supper with us last week. Thank you to Rob Craddock and his committee for organizing a fantastic evening. Great job! Rob gives a lot of his personal time to our chapter and I appreciate this event and all the other guidance Rob gives us throughout the year. It was wonderful to have Tom Watson Society President, Kevin Marple Regional DRC and Bill Dean Director at Large join us for our celebration. It was also great to see so many people that have given to our chapter in the past come out and see old friends again and allow us to say thank you for all they have done to make this chapter last 50 years.

April has a lot of events planned. On April the 10th we will be having ASHRAE student presentation night at the University of Regina. Jared has worked very hard to try and support students in ASHRAE so please come out and show your support. Please RSVP by April the 5th. We will also be hosting an afternoon seminar on Wednesday April the 17th with Distinguished Lecturer Kishor Khankari at the Royal Regina Golf Course. He will be teaching us about natural ventilation systems and stratified air ventilation systems. Registration is open so if you have not received the flyer please contact myself or Alana to sign up. Then on Thursday April the 18th at 11:00 a.m. we will be hosting a webcast at the Sasktel board room on Assessing Building Energy Performance. Sasktel has graciously agreed to sponsor lunch for the attendees. We will also be sending out a poster for registration for that so we can know how many are coming for lunch.

I look forward to seeing everyone at the University next Wednesday night for the student presentations.

Meeting Notice

Wednesday, April 10th, 2013
Student Night

University of Regina
College West Building Room 215
2125 Victoria Avenue, Regina Sk.

- 5:00 - Cocktails
- 5:45- Presentations
- 6:45- Supper
- 7:30 - ASHRAE Chapter Meeting

Upcoming Events

April 17th, 2013
Seminar with Distinguished Lecturer
Kishor Khankari

April 18th, 2013
ASHRAE Webcast at Sasktel's Head Office

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2013 Meetings and Events

April 10, 2013
Student Night @ the University

April 17, 2013
Distinguished Lecturer: Kishor Khankari
Seminar: Design and Analysis of Natural Ventilation Systems and Stratified Air Ventilation Systems
@ Royal Regina Golf Course

April 18, 2013
ASHRAE Webcast: Assessing Building Energy Performance
@ SaskTel's Head Office

May 2-4, 2013
Region XI CRC in Vancouver, B.C.

May 15, 2013
Speaker: TBD
Airflow Management Best Practices for Data Centres

June 2013
ASHRAE Research Golf Tournament



Committee Chair Reports

Programs

by Alana Yip

I'd like to thank the organizing committee of the 50th Anniversary celebration for the wonderful evening they planned for us on March 27th. They are Rob Craddock, Bob England, Jerry Boulanger, Ted Cooke, and Ray Sieber and Carla Spriggs. It was an enjoyable evening with great food and it was nice to have ASHRAE Society President, Tom Watson, ASHRAE Region XI Director & Regional Chair, Kevin Marple, and Incoming ASHRAE Society Director at Large, Bill Dean, join us for this celebration. Congratulations to our Chapter on 50 years!

We have a lot of events coming up in April. April 10th we are having our Student Night at the University. I encourage you to come and support the students and hear three groups present their final design projects. RSVP is needed by April 5th. On April 17th we are having ASHRAE Distinguished Lecturer – Kishor Khankari, give us a seminar on the Design and Analysis of Natural Ventilation Systems and Stratified Air Ventilation Systems in the afternoon. An invitation has been sent out. It is being held from 1-5pm at the Royal Regina Golf Course. RSVP needed by April 8th. RSVP to cspriggs@hdaeng.com. Then on April 18th from 11:00-2:00, ASHRAE is having their annual webcast on Assessing Building Energy Performance: From Principles to Practice. SaskTel is hosting the webcast at their Head Office Auditorium. Further details for RSVP will be out soon as well. SaskTel will also be sponsoring lunch this year.

At the beginning of May, Jason, Jared, Janel and myself are attending the CRC (Chapter Regional Conference). At these meetings we are to bring

nominations for Regional and Society positions that people may be interested in. Many of these positions will occur in a couple years. If you are interested in participating in ASHRAE at the Regional or Society level, please let me know. Over the past few years we have had Ray Sieber, Murdoch MacPherson and Rob Craddock act as Regional Vice Chairs, so if you are considering and have questions those would be good people to ask. As well if anyone has any motions they would like put forward, please have them to me by April 12th.

Our local chapter is looking for someone to fill the newsletter chair position on our board of governors for the upcoming year. If you are interested or know anyone who may be, please contact myself at alana.yip@sasktel.com. There are templates set up for Windows and Mac, and you are required to send out a monthly newsletter. Couldn't be easier! :) Please consider joining our awesome board!

Ways and Means

by Wayne Tkach

This year for our annual golf tournament we will be joining the MCA for a joint tournament slated for June 13, at Deer Valley. We will share the day with them, but will register our own people.

It is going to be a great event and with limited spaces so we will be taking registration on a first come, first serve basis.

There are plenty of details yet to work out but we will be issuing a poster in the near future with all of the necessary information to register.

Hope to see you there!!!!

Committee Chair Reports Continued

Student Activities

by Jared Larson

This past weekend I volunteered to be a judge at the student project day and received a sneak preview of the presentations we will see on Wednesday. The following groups will be presenting. These groups have been to multiple ASHRAE meetings, and through ASHRAE I have also been involved as an industry contact throughout their projects.

HEAT RECOVERY FROM RESIDENTIAL CLOTHES DRYERS

Presenters: Josh Kerr; Josh Thomas; Nathan Van Betuw

We have designed a heat exchanger to preheat water using the sensible and latent energy contained in the exhaust air vented from a clothes dryer. The heat exchanger consists of a finned copper coil (carrying cold water) inside a length of rigid duct (carrying dryer exhaust). The temperature of the exhaust is decreased and the moisture condensed, thereby increasing the temperature of the cold water before it enters an existing water heating system. This device reduces water heating costs, is easy to install and maintain, and has low initial cost.

ENTHALPY WHEEL FROST PROTECTION

Presenters: Robert Gaudry & Spencer Sothmann

An Enthalpy Wheel heat recovery unit (HRU) retains heat from buildings that have a high turnover of fresh incoming air and used outgoing air. Cold weather conditions prevent full operation of these HRUs because of the mix of humidity and cold air forming frost on the Enthalpy Wheel surface. To prevent frost from forming, in order to increase productivity and to increase heat transfer efficiency, the viability of using infrared-radiant heaters to warm the wheels' surface during operation was evaluated.

INSTANT CUSTOMER BULK FOOD MEASURING SYSTEM

Presenters: Lu He & Kaylee Puchala

An integrated measurement system for bulk food, incorporating an accurate mass measurement and printed confirmation of product, quantity, and price represents the complete proof of concept Bulk Food Measuring System. This system can eliminate the error in estimating the quantity of bulk food dispensed by the consumer and gives the user price and weight estimates that are easily confirmed at the checkout line.

Earlier in March I was able to give a presentation to SIAST in Moose Jaw. In a general overview I explained several types of systems commonly used in our market along with pros and cons. The class was working on an HVAC design in their course so we were able to address design considerations, and looked at some general questions they had.

What's New in ASHRAE

Brought to you by the ASHRAE Chapter Technology Transfer Committee

www.ashrae.org/abepwebcast

Presenters

Assessing Building Energy Performance: From Principles to Practice

April 18, 2013 | 1:00 PM-4:00 PM EDT

This webcast will feature industry experts who will explain the importance of building energy performance and its far-reaching implications in both new and existing buildings. Viewers will also learn about the various tools and approaches that are available, as well as the many opportunities that assessing building energy performance presents.

How to Participate

- You may register to view the webcast on your PC
- You may host a webcast viewing site for your colleagues
- View the webcast at a site

PDH Credits

Three (3) Professional Development Hours (PDHs) or three (3) AIA Learning Units (LUs) may be awarded to viewers who complete the "Participant Reaction Form" by May 2, 2013.

For more information about the program, presenters, continuing education credits, sponsorships, and ABEP resources, please visit us at www.ashrae.org/ABEPwebcast OR scan this tag with your smart phone.

ASHRAE

ASHRAE Webcast
April 18th 11:00-2:00
Sasktel Head Office
2121 Saskatchewan Drive
Lunch provided by Sasktel

ASHRAE Seminar
April 17th 1:00-5:00
Royal Regina Golf Club
5401 11th Avenue West
Coffee and snack included with fees

ASHRAE Regina Chapter - Seminar

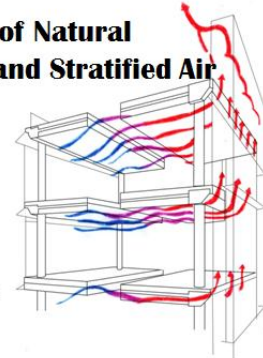
Design and Analysis of Natural Ventilation Systems and Stratified Air Ventilation Systems

When:
 April 17th, 2013
 Time: 1-5 p.m.

Where:
 Royal Regina Golf Club
 5401 11th Avenue West
 Regina, Sk.

Cost:
 \$50 (includes coffee and a snack)

Registration Deadline:
 April 8, 2013



We are pleased to present Dr. **Kishor Khankari**, an independent consultant and Computational Fluid Dynamics specialist, to present us with a technical seminar on Natural Ventilation and Stratified Air Ventilation Systems.

Currently in HVAC design, natural ventilation and mixed mode systems are gaining popularity for their ability to provide improved IAQ while increasing energy efficiency. The seminar will cover the basics of natural ventilation and demonstrate how to evaluate and optimize the performance of such systems by taking into account various factors such as local weather, building orientation, building massing, effective opening areas, relative height differences, internal loads and furniture and seating arrangements. Further to this Dr. Khankari will also cover the basics of stratified air distribution systems and discuss various design and operational parameters that affect their performance.

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cspriggs@hdaeng.com

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jason@skhvac.com

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Sasktel
alana.yip@sasktel.net

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jwalter@hdaeng.com

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MacPherson Engineering
g.fluter@mac-eng.ca

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b.huber@cypresssales.com

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MacPherson Engineering
j.larson@mac-eng.ca

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pockett@accesscomm.ca

Way & Means

Wayne Tkach
MacPherson Engineering
w.tkach@mac-eng.ca

Historian

Bob England
R J England Consulting Ltd.
bob@rjengland.com

Contact us at:

ashraeregina@gmail.com

Visit us at:

<http://regina.ashraechapters.org/>

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Regional XI Executive

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