



Pile of Bones

Published by the Regina Chapter of ASHRAE

Monthly Meeting Beat:

About the Speaker

By Dan Brothers

Hello again everyone, it's only been a short while since we last met, but we're so excited for this meeting that we couldn't wait the extra week.

The topic this month is Student Night, at the familiar University Club. Jared Larson, our outgoing student activities chair has organized the presentations, you can find a summary of what to expect in his write up. There are four groups, from the U of R and Sask Polytechnic presenting their design projects. It's always nice to see what clever ideas students come up with when their GPA is on the line. I hope you enjoy the meeting.

We are still short one Board member for next year; the Grassroots & Government Advocate Committee is vacant. This year was the first that the position existed, it was held by Jason Danyliw, who is on the Board next year and will be available for questions to brief any interested person on the topic. You will also have the support of the Board to navigate your way through the portfolio. If you THINK you're interested, please get in touch with me. It's a volunteer position, so we can't fire you if you don't do a good job.

Meeting Notice

Wednesday April 1st, 2015

University Club
215 College West Building
University of Regina
Regina, SK

5:00 – Beers
5:30 – Speakers

Student Presentations

6:45 – Supper
7:15 – ASHRAE Chapter Meeting

Upcoming Events

April 23rd, 2015:
ASHRAE Webcast

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Presidential Address

President's Message

by Janel Walter

You all didn't think the snow was actually gone for the season did you????? Here's to hoping it's gone before our next meeting, which with all of the meeting date changes is coming up next week.

First, I wanted to thank Steve Clayman for coming out west to discuss the changes in the 2015 NECB in regards to insulation requirements. Eventually we will adopt these changes and we all need to be aware of what's coming down the pipe as they say.

This month is all about education and we start of the 1st of the month by showcasing the education of our local University and Polytechnic students. We will be gathering at the University Club to be inspired and impressed by some future engineers and technologists so please come out and show them your support. We will be **starting the evening's program at 5:30 sharp** so please come a little earlier and grab a beverage of choice before we begin.

On the 23rd of April at 11 am, we will be gathering at SaskTel's head office to tune into this year's ASHRAE Webcast "New Tomorrows for Today's Buildings: Existing Building Commissioning". This webcast will feature industry experts who will define the benefits of existing building commissioning for the environment, occupants, operations staff, and overall

ownership costs. Viewers will be able to recognize the varied scopes of commissioning, when to apply comprehensive versus focused commissioning, and best practices in existing building commissioning specifications & contracting. Lunch is being sponsored by Patrick Shannon of Mechanical Design Group and Shannon's Pub and is sure to be delicious. Thank you to Patrick for providing that for us. The Webcast is approved for 3 PDH's as well so join us to expand your commissioning knowledge for existing buildings.



Committee Chair Reports

Student Activities

by Jared Larson

First, I would like to congratulate our newest student member Rizwan Ullah! He is our first student member to join from the Saskatchewan Polytechnic campus in Regina! I would like to welcome him to the ASHRAE community. Be sure to introduce yourself to him when you see him.

This past month has been a good month for growing connections and harvesting relations. I was invited to speak to Dr. deMontigny's Eng 123 class. Since the class was composed of multidiscipline engineering students, I focused on potential areas of work within our construction industry, while focusing on ASHRAE. I tried to elaborate on roles of engineers in consulting, sales, manufacturing, project management, commissioning, controls and fire protection.

We are also excited to see one of our ASHRAE student members gain full time employment in Saskatoon within our industry. Congratulations to Kailley Holmes, and we wish you the best. This is a great success story as her connections through ASHRAE helped to open the doors.

April is an exciting month for S.A. as we have our annual student night. For the first time we will have presentations from the Saskatchewan Polytechnic in Moose Jaw course (formerly Siast). They will be presenting on their course design projects. We also have two groups from the U of R which have been working with our local chapter. Again I would like to thank Axiom industries and Christie mechanical for their contributions in materials and equipment to help assist these groups in their projects.

Saskatchewan Polytechnic

Course Design Project Presentation - Architectural Technologies

- Tayler LaBelle

Saskatchewan Polytechnic

Course Design Project Presentation - Architectural Technologies

- Megan de Graaf

Committee Chair Reports

University of Regina

4th Year Project Presentation

- Travis Lubiens & Ryan Dressler

ESE 7: Energy Efficient Refrigeration using Outdoor Temperature

A refrigerator design that incorporates the cold outside air to help cool the inside of the fridge, reducing energy consumption. Once the outside air reaches a low enough temperature, the system will pump cold refrigerant from the outside coils to internal components of the fridge. If the temperature outside is too warm the fridge will run normally. Set points in the micro controller will determine whether the pump is active or inactive depending on the temperature difference between the outdoor air and the indoor coils.



University of Regina

4th Year Project Presentation

- Jeremy Fedorchuk & Zach Anderson

ISE 2: Portable Cooling Unit

(The portable cooling unit is ASHRAE's society level applied design challenge. In response Society's request for more applicants, this group has taken on the project. They will be able to submit their project to the society level. At the regional level, we are hoping to get a motion passed to echo this competition at the CRC allowing students to compete at a regional level prior to the society level.)

The reusable pop-up air conditioned shelter provides users a quick and mobile treatment shelter for victims of heat illness. This portable cooling unit provides heat illness victims a cool environment to help relieve immediate symptoms such as high body temperature. Through extensive research of causes, symptoms, prevention and common treatments of heat illness, an engineering solution was developed. A working prototype has been designed and constructed for potential use at construction sites, sporting events and outdoor festivals.

Committee Chair Reports

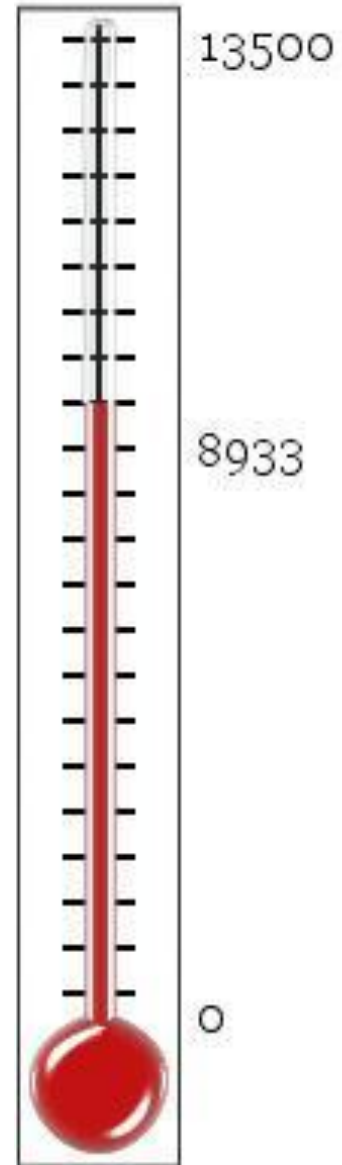
Research Promotion

by Alana Yip

Thank you! I've been receiving cheques and I greatly appreciate it! We are at 65% of our goal with the investors listed below. ASHRAE Research impacts the industry by improving the way HVAC&R systems work, how they are applied and allow development of technical information to create standards and guidelines, which serve as the basis for testing and design practices around the world. You can contribute to ASHRAE Research by contacting me at alana.yip@sasktel.net or 306-527-9680, or contributing online at ashrae.org/contribute.

Plans are starting for this year's golf tournament. It will be a combined tournament again with MCA scheduled for June 11th, 2015. This is a great fundraiser for our research campaign as well, so I encourage you to attend and enjoy a round of golf as a side benefit to helping ASHRAE Research! As always we are in need of prizes for the tournament so feel free to contact myself, Wayne Tkach or Jason Danyliw if you are able to contribute some prizes.

And congratulations to Chuck Junek who won \$71 in last month's 50/50 draw.



Committee Chair Reports

ASHRAE Regina - Research Investors 2014-2015	
Individual Investors	Company Investors
<p>Honour Roll Donors (\$100-\$250)</p> <p style="margin-left: 40px;">Rob Craddock</p> <p style="margin-left: 40px;">Ray Sieber</p> <p style="margin-left: 40px;">Janel Walter</p> <p style="margin-left: 40px;">Brad Huber</p> <p style="margin-left: 40px;">Natasha Bellows</p> <p style="margin-left: 40px;">Jason Danyliw</p> <p style="margin-left: 40px;">Jared Larson</p> <p style="margin-left: 40px;">Wayne Tkach</p> <p style="margin-left: 40px;">Greg Fluter</p> <p style="margin-left: 40px;">Bob England</p> <p style="margin-left: 40px;">Kris Pockett</p> <p style="margin-left: 40px;">Dan Brothers</p> <p style="margin-left: 40px;">Alana Yip</p> <p style="margin-left: 40px;">Neal Paskewitz*</p> <p style="margin-left: 40px;">Donors <\$100</p> <p style="margin-left: 40px;">Gurbinder Uppal</p> <p style="margin-left: 40px;">Ryan MacGillivray</p> <p style="margin-left: 40px;">Walter Makhov</p>	<p style="text-align: center;">Major Donors (Silver) \$1000+</p> <p style="margin-left: 40px;">MacPherson Engineering *</p> <p style="margin-left: 40px;">HDA Engineering</p> <p style="margin-left: 40px;">SaskEnergy</p> <p style="margin-left: 40px;">Saskatchewan Insulation Contractors Association</p> <p style="text-align: center;">Major Donors (Bronze) \$500-\$999</p> <p style="margin-left: 40px;">HVAC Sales Ltd.</p> <p style="margin-left: 40px;">Cypress Sales Partnership</p> <p style="margin-left: 40px;">Stantec Consulting*</p> <p style="text-align: center;">Major Donors (Antique) \$250-\$499</p> <p style="margin-left: 40px;">J-Clan Services Ltd.</p> <p style="margin-left: 40px;">All-Rite Plumbing & Heating Ltd.</p> <p style="margin-left: 40px;">ECCO Supply</p> <p style="margin-left: 40px;">Inland Metal Manufacturing*</p> <p style="text-align: center;">Honour Roll Donors \$100-\$249</p> <p style="margin-left: 40px;">Refrigerated Supply Ltd.</p> <p style="margin-left: 40px;">Conbrio Consulting Services Inc.*</p> <p style="margin-left: 40px;">Walter`s Industrial Mechanical Ltd.</p> <p style="text-align: center; margin-top: 20px;">*Committed Donations</p>

2014-2015 Meetings and Events

September 10, 2014
Speaker: Brian Brunskill
Bushwacker Brewpub

October 15, 2014
Speaker: Doug Lecren
Hotel Saskatchewan

November 12, 2014
Speaker: Richard Miller
University Club

December 12, 2014
Christmas Social - Dralion

January 6, 2015
Speaker: Bill Banfleth, Past Presidential
Hotel Saskatchewan

January 24-28, 2015
ASHRAE Winter Conference
Chicago, Illinois

February 11, 2015
Speaker: Distinguished lecturer Tim McGinn
Hotel Saskatchewan

March 18, 2015
Speaker: Steve Clayman
Hotel Saskatchewan

April 1, 2015
Student Night
University Club

April 23, 2015
ASHRAE Webcast
**New Tomorrows for Today's Buildings:
Existing Building Commissioning**
SaskTel Auditorium

April 30 – May 2, 2015
Region XI CRC
Calgary, AB

May 14, 2015
Speaker: TBD
Hotel Saskatchewan

June 2015
ASHRAE Research Golf Tournament

June 27 – July 1, 2015
ASHRAE Annual Conference



2014-2015 ASHRAE Regina Chapter Board of Governors

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Newsletter

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2014-2015 ASHRAE Regional & Society Executive

Region XI Executive

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Keith Yelton
Portland, Oregon

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Regional Vice Chair - Membership Promotion
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