

Pile of Bones

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Monthly Meeting Beat:

About the Speaker

By Dan Brothers

Hello everyone and happy March. I hope your winter has gone well, and especially hope it's gone. What a treat it is to go to work when it's nearly light out and to come home before sunset.

Our speaker this month is Steve Clayman from the Thermal Insulation Association of Canada (TIAC). Steve is the Director of Energy Initiatives at TIAC, where he meets with representatives from the Federal Government to discuss and develop the National Building and National Energy Codes of Canada. He is also involved with the Canadian and Alberta Energy Efficiency Alliances, the Canadian Boiler Society, the Canadian Healthcare Engineering Society, the Canadian Institute of Mining, and the International District Energy Association. Over the past 30 years Steve has worked in various sales and marketing roles in the insulation industry. Steve has also sat on the Board of Directors for the North American Insulation Manufacturers Association.

Continued →

Meeting Notice

Wednesday March 18th, 2015

Hotel Saskatchewan

2125 Victoria Ave.
Regina, SK

5:00 – Beers

5:30 – Speaker Presentation
Steve Clayman

“The National Energy Code for Buildings 2015”

6:45 – Supper

7:15 – ASHRAE Chapter Meeting

Upcoming Events

April 1st, 2015:
Student Night



In this Issue

| | |
|----------------------------|----|
| About the Speaker..... | 1 |
| Presidential Address | 3 |
| Student Activities..... | 4 |
| GGAC..... | 5 |
| Resource Promotion..... | 6 |
| Feature: Chicago..... | 8 |
| Upcoming Events..... | 13 |
| Chapter BOG..... | 13 |
| Regional & Society | |
| Executive..... | 15 |

Pile of Bones

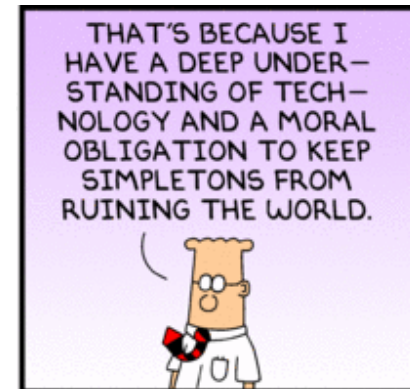
Steve's presentation will cover a wide range of topics, including a general introduction to what TIAC is. There will also be discussions surrounding:

- The National Energy Code for Buildings 2015
- TIAC's involvement with hospital and secondary education facilities
- The Water-Energy Nexus
Describes the interdependent relationship between water and energy: we use water to get energy, and require energy to move water
- The High Cost of Low Cost Oil
Potential for increased retrofit business; and a "no cost/low cost" approach to upgrading mechanical insulation

Focus will be on how insulation comes into play in all these areas.

Steve is a member of the Toronto ASHRAE Chapter where he sits on the Board in the Grassroots Government and Activities Chair (GGAC).

His talk is bound to be a good one, and I hope you can make it.



Presidential Address

President's Message

by Janel Walter

Spring is in the air and it's putting a spring in everyone's step so let's get together and enjoy a night out with fellow ASHRAE members and brush up on what's new with the NECB and LEED v4 and its impact on our industry! See Dan's article for more information on the topic and our guest speaker Steve Clayman.

I wanted to give a big thanks to Patrick Shannon and Shannon's Pub for sponsoring lunch for the ASHRAE Webcast April 23rd. I'm sure the webcast will be informative and the food will be delicious! Once again SaskTel has graciously offered to host the event and we hope to see you all there. April will be an exciting month as we also have our annual Student Night at the University. Jared has to shore up a few details but is hoping to have presenters from the University and Saskatchewan Polytechnic as well as the little guys from his Engineers Building Engineers program; so please be on the lookout for that meeting invite and come out to support our industries budding engineers and technologists.

At last month's meeting the Chapter voted on next year's Officers and I wanted to congratulate Dan Brothers, Jared Larson, Brad Huber and Kris Pockett for being voted in by our members. We are still looking for volunteers to join our Board of Governors so if you have an interest and want more information please don't hesitate to contact me to discuss. Along with Chair positions we also have the opportunity for people to join sub committees and would love to have you!

Now that the melting has begun and we can see slivers of grass it's got us thinking about wonderful summer activities and ASHRAE Golf! So stay tuned for information on that and just think, we will be out there swinging clubs in no time!

Committee Chair Reports

Student Activities

by Jared Larson

The end of the academic year is fast approaching with that there are a few final events I will need volunteers for:

- We have been asked by the students to have another resume event. Last time I had help from Neil (HDA), Bob England, Jason Danyliw, Brad Huber. This time I will need about 5 volunteers to give up a few hours in an afternoon to give their impressions of resumes. I will be having a sign up sheet for attendees to help with crowd control. If you are interested please let me know.
- Project Day is March 28, 2015. The U of R is looking for evaluators for the projects. This is a whole day event, but is interesting to be involved.
- We are also trying to set up a dodgeball event at boomers to wind up the year. This will be open to YEA members and students. I will send out a notification once I have all the details sorted out.



Committee Chair Reports

Grassroot Government Advocacy Committee (GGAC)

by Jason Danyliw

Our GGAC Region IX Chair Jeff Hurd (from the Alaska Chapter) was scheduled to visit our Regina Chapter meeting last month, but some personal commitments came up that forced Jeff to have to reschedule his trip. So we'll keep you up to date, and advise when Jeff can visit with us over the next 2-3 months to give us a GGAC Regional update.

In our continued efforts to get ASHRAE 90.1 accepted as a compliance path to the Saskatchewan Building Code, we have some meetings coming up with government officials to discuss this further, and will advise. Bill Hawkins (Government of Saskatchewan Executive Director for Building Standards & Licensing) will likely be joining us for an upcoming ASHRAE Chapter meeting to maybe give us an update from the Government side on some code changes, but we are just working to schedule this with Bill.

We have a forum for the GGAC Chapter Chairs to be in contact with any other Chapter Chairs in our Region IX regarding Government & code issues being encountered. But I want to extend the invite out to any of our Regina Chapter members to contact me with any Government or code issues that you might be seeing or experiencing, and we can take them up with our local code officials, other Chapters, or the Region where needed to try and advance and advocate ASHRAE.

See you all at the upcoming March meeting.

Committee Chair Reports

Research Promotion

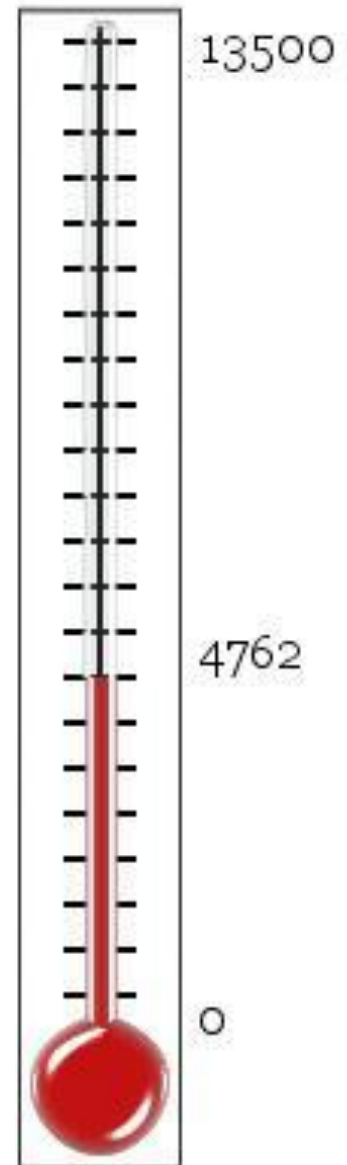
by Alana Yip

Congratulations to February's 50/50 winner, Walter Makhov, winning \$45 and donating that back to ASHRAE Research! While this is greatly appreciated, do keep in mind the other half is already going to research-- so feel free to buy a round if you win!

Campaign letters will all be out by March 13th, so if you don't receive one please let me know! I appreciate everyone's investments to the research campaign, no matter the size.

We are currently at 35% of our goal and I hope to see this ramp up quickly once you all receive your letters! You can contribute online if you'd prefer at ashrae.org/contribute.

Thanks to the following investors to date!



Committee Chair Reports

| ASHRAE Regina - Research Investors 2014-2015 | |
|--|---|
| Individual Investors | Company Investors |
| <p>Honour Roll Donors (\$100-\$250)</p> <p>Rob Craddock</p> <p>Ray Sieber</p> <p>Janel Walter</p> <p>Brad Huber</p> <p>Natasha Bellows</p> <p>Jason Danyliw</p> <p>Jared Larson</p> <p>Wayne Tkach</p> <p>Greg Fluter</p> <p>Bob England</p> <p>Kris Pockett</p> <p>Dan Brothers</p> <p>Alana Yip</p> <p>Jason Paul *</p> <p>Donors <\$100</p> <p>Gurbinder Uppal</p> <p>Ryan MacGillivray</p> <p>Walter Makhov</p> | <p>Major Donors (Silver) \$1000+</p> <p>MacPherson Engineering *</p> <p>HVAC Sales Ltd.</p> <p>Major Donors (Bronze) \$500-\$999</p> <p>Major Donors (Antique) \$250-\$499</p> <p>J-Clan Services Ltd.</p> <p>All-Rite Plumbing & Heating Ltd.</p> <p>ECCO Supply</p> <p>Honour Roll Donors \$100-\$249</p> <p>*Committed Donations</p> |

Spotlight on Chicago

The ASHRAE Winter Conference (and why everyone should go)

A collective experience by the ASHRAE Regina BOG

Earlier this year thousands of people gathered in Chicago to attend the ASHRAE Winter Conference. A few of our board member were lucky enough to attend and I asked them to share a bit about their experience and what made Chicago memorable.

-The Editor.

The ASHRAE Winter Conference is a roving event held annually.
Plan to be there next year: January 23 – 27 in Orlando, FL, USA



Spotlight on Chicago

Dan Brothers
Programs Chair

I took part in my first ASHRAE Winter Conference this year in Chicago. I wasn't sure what to expect, but I was impressed with the plethora of valuable information available. It was a treat to spend a few days away from the office, and to feel moderately productive while doing so. Time is divided between the Palmer House Hotel, for the seminars and technical discussions, and the trade show. The seminars cover a wide range of topics presented by experts in the field, some are students working on a PhD, and some are veterans of the industry with a wealth of knowledge to share. The more interesting talks I went to were "Design Parameters of Tall, Super Tall and Mega Tall Buildings", a researcher was talking about how different the climate is above 600m compared to ground level, where design weather conditions are recorded. Infiltration due to pressure differences, wind speeds and flow patterns, and precipitation all change at those heights.



I also took in a seminar on large scale energy audits, typically implemented at the federal level of government. That talk had three speakers: one from the UK, the US, and Australia. They talked about how much collaboration there has been between teams from their own countries and what they are learning from each other. I couldn't help but notice that Canada did not get a mention of any sort. I was tempted to ask whether there is any involvement from our federal government, but I suspect I know the answer. But that is neither here nor there.

The trade show was very interesting. The inside of a 6 impeller multi-stage vertical inline pump, clear walled steam traps live in action, and an air conditioning system mounted behind a photo you can hang on your wall are all things that had never crossed my mind before, but I'm richer for having seen them. I strongly encourage everyone to attend the next Winter Conference. There are worse places to go than Orlando in January.

I'm really looking forward to the meeting on the 18th; I hope to see you there.

Spotlight on Chicago

Jared Larson

Student Activities Chair

My highlight of the conference was the tour of McCormick place central plant.

They use 3 Ammonia Chillers (20,000 tons capacity) which charge an 8.5 million gallon thermal storage reservoir. This reservoir is used to provide cooling during the day.



For reference this reservoir has adequate thermal storage to provide cooling for the entire AHR expo during the day. It is charged at night when rates are more favorable. Ammonia is used to achieve low temperatures (27°F chilled water supply temperature). The chillers can either be run by electricity or by the gas turbines. Waste heat from the turbines is can produce 80,000 pounds per hour of steam. There is also a standalone boiler plant which can produce the same capacity. High pressure steam is distributed to each building and reduced/converted to hot water.

In the photo of the plant there is a large vacant space left for future plant expansion.

If you haven't attended the winter conference before, it is a great experience. There are seminars, short courses, and a monstrous trade show.



Spotlight on Chicago

Brad Huber

Treasurer

Chicago, the windy city; that is quite accurate based on my experiences from time I arrived to when I departed. The first night we arrived we spent a lovely evening out with friends from the Regina and Saskatoon ASHRAE chapters in which we went out for supper and attended the Second City Comedy club later in that evening.

This was a terrific night spent getting to know our local ASHRAE members and create great memories with each other.

The trade show this year had several new and interesting products. Most of my time at the trade show consisted of meeting with vendors that I am familiar with, along with meeting new manufacturers which I'm interested in bringing into the Saskatchewan market. Over the course of my trip to Chicago I spent a great amount of time out for supper, networking with fellow manufacturer's representatives from all over North America. I also enjoyed attending hospitality events which carried on late into the night.

This event was a terrific opportunity for networking and becoming more familiar with the whole HVAC industry.



Spotlight on Chicago

Greg Fluter

Membership Promotion Chair

I, along with several other ASHRAE Regina Chapter members, attended the 2015 version of the ASHRAE Winter Conference and Trade Show in Chicago. I attended many of the seminars held at the old classic Palmer House Hotel in downtown Chicago and also attended the AHR Expo and Trade Show held at the massive McCormick Place.

The trade show is so large it takes at least 2 good days to walk through all of it. The Trade show gives you a great opportunity to “kick the tires” of a lot of the equipment and products we specify on our projects and to talk with the technical staff to learn more about the construction and operation of these products. There are also quite a few products on display that we have never seen in our market so it’s nice to be able to see some of this stuff too, if it’s applicable.

Most evenings are spent checking out some of Chicago’s great restaurants and night-life, including attending The Second City comedy club, as well as attending some of the various equipment manufacturer hospitality events located throughout the city. The conference / trade show is a great place to learn more about our industry and to network with many within it.

ASHRAE Regina members should consider attending in future years....next year it’s in Orlando, Florida...a great place to attend your first one.



Winter 2016 – SEE YOU IN...



2014-2015 Meetings and Events

September 10, 2014

Speaker: Brian Brunskill

Bushwakker 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



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