



# Pile of Bones

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## President's Message

*By Carla Spriggs*

Thank you to Mike Vaile for taking the time to come and speak with our chapter. I was very happy to see so many people attend last month's meeting. I apologize for forgetting to do introductions during the meeting. Can you please try to RSVP if you are planning on attending the meetings so we can more accurately estimate the amount of food required with the hotel.

Our campaign to raise money for ASHRAE Research is in full swing. This month we will be presenting donor recognition certificates for last year's donations at the meeting. Please try to attend so we can thank you for your support.

At the last meeting I had distributed flyers for the John Ross curling tournament on March the 2<sup>nd</sup> in Edmonton. I have not had anyone from the chapter express any interest in attending. Please contact me if you are interested. The hosting chapter is sponsoring team registration for one team per chapter.

The ASHRAE winter meeting was held in Dallas Texas from January 28<sup>th</sup> to 30<sup>th</sup>. I have heard that it was a great success and the Regina Chapter was well represented as usual. Next year it will be held in New York City.

Invites for our 50<sup>th</sup> Anniversary party on March the 27<sup>th</sup> have been issued, please let us know if you did not receive yours. Please note that we have requested you RSVP by February 22<sup>nd</sup>.

I look forward to seeing you all next Wednesday for Distinguished Lecturer Alan Niles speaking on Design and Economics of Commercial Ground Loop Heat Pump Systems.

### Meeting Notice

**Wednesday, February 13th, 2013**  
**Alan Niles – Design and Economics of Commercial Ground Loop Heat Pump Systems**

**Hotel Saskatchewan  
Saskatchewan Room**

2125 Victoria Avenue, Regina Sk.

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

### Upcoming Events

*March 27, 2013*  
*ASHRAE Regina 50<sup>th</sup> Anniversary*

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## 2013 Meetings and Events

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February 13, 2013

*Distinguished Lecturer: Alan Niles*

*Design and Economics of Commercial Ground Loop Heat Pump Systems*



March 27, 2013

*ASHRAE Regina 50<sup>th</sup> Anniversary Celebration*

*@ Regina Royal Golf Course*

April 10, 2013

*Student Night*

April 18, 2013

*ASHRAE Webcast: Assessing Building Energy Performance*

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

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### Programs

*by Alana Yip*

I hope everyone is staying warm this winter! Our climate sure provides us with some extreme temperatures. I'd like to thank Brent and HVAC Sales in helping bring in Mike Viale last month to speak to us on AHRI Standard 1230.

This month we have Alan Niles, an ASHRAE Distinguished Lecturer, joining us to present on Design and Economics of Commercial Ground Loop Heat Pump Systems.

Alan is a mechanical engineer with over 24 years of experience working with manufacturers of commercial water source heat pumps (WSHPs) and ground loop heat pumps (GLHPs) concentrating on commercial tower/boiler system design and commercial geo-exchange system design. His presentation concentrates on the economic impact of project specific variables as well as decisions made (or sometimes, not made) by the design engineer and how defining these details can greatly reduce the first cost of a Ground Loop Heat Pump (GLHP) system. This presentation begins with a quick overview of the components of the GLHP System, and the basic design and installation of the ground loop. Commercial Ground Loop Design Software is reviewed and then utilized to illustrate the economic impact of project specific variables. This discussion concludes with hybrid system design and the opportunities that hybrid systems offer in additional first cost reductions with minimum impact to the operating cost of the GLHP system.

As well, an invite has gone out for our chapter's 50<sup>th</sup> Anniversary Celebration. I encourage you all to come and celebrate with us. It is March 27<sup>th</sup> and spouses are welcome. The only cost to the evening is the cash bar! Please ensure you RSVP to that event.

Mark your calendars for Wednesday, February 13<sup>th</sup>, at the Hotel Sask., to hear Alan speak. Looking forward to seeing you there.

As well, we are looking for at least one new board member for next year. If you are interested or know anyone who may be, please contact myself at [alana.yip@sasktel.com](mailto:alana.yip@sasktel.com)

### Student Activities

*by Jared Larson*

This year, at the conference in Dallas, I was able to sit in on some student society meetings. It is interesting hear the challenges and success stories of other chapters. It also opens up some ideas and possible funding avenues which I hope we can bring our way next year. I am hoping that we can build small scale demonstration where instructors can reinforce classroom material with actual labs, with possible shared use with the SIAST building operator's course.

In regards to membership, I would like to welcome our newest U of R student members: Kaylee Puchala; Yan Chen; Spencer Sothmann; Cassandra Selinger Silva; Jakaeden Frizzell; Oagile Mabusa; Zongzhuan Yi; Bradley Lulik; Ernest Jumbo; Magda Seitz. I am also continually receiving requests for CO OP student placement. I have been in touch with those who hired CO OP students and it sounds like there have been positive results for both ends. Let me know if you are considering it and have any questions.

The U of R students who attended the Western Engineering Competition (WEC <http://www.wec2013.ca/>) have safely returned. From what I hear, they did a great job and provided some vigorous competition. If you are interested there is also a link to the RESS page with photos from the competition.

## Committee Chair Reports Continued

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### **Student Activities Continued**

*by Jared Larson*

The first round with Engineers Building Engineers is almost complete. For the past 6 weeks we have worked with an inner city school to introduce them to engineering, and generate interest. I have worked through the steps of problem solving, and each week have given them a small building challenge to put these skills to test. Many of these kids are not given the opportunities the rest of us grew up with. I have seen many kids who have “the knack” and an interest in engineering. It is important to keep this interest as it will help drive them through their academics. It has been a learning curve for me and the school. We have worked together to tweak what we do and how we function with the classroom. I have had positive response from the students and staff. If anyone is interested in helping out, I could always use an extra person.

Thank you to EH Price for donating additional engineering texts. As the student chair, I am holding on to these and lending them out for students as they come across needs. Let me know if anyone has old handbooks, or tech literature they wish to donate. To date, everything I have made available to students has been borrowed.

In the near future the following events are the next key milestones.

Jack Mackenzie elementary school (Feb 22)– I have been asked to come in and work with one of the classes to compliment the curriculum.

Student Night (April 10<sup>th</sup>). Prior to this the students will present on project day (Saturday

April 6<sup>th</sup>). I will be looking for a few volunteers to help out with judging, etc.

WESST EM (May 3<sup>rd</sup>-May 5<sup>th</sup>): The RESS has sent out a sponsorship form where companies can advertise and provide support. There are some opportunities for ASHRAE to provide. The levels are Patron \$10,000+, Platinum \$5,000+, Gold \$2,000+, Silver- \$1,000+, (or any other amount). I have attached a formal letter from Brad and Nicole. For more information contact:

#### **Brad Lulik**

EM Chair

[emchair@wesst.ca](mailto:emchair@wesst.ca)

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#### **Nicole Barber**

EM Co-Chair - Sponsorship

[industry@uofrengineering.com](mailto:industry@uofrengineering.com)

[306.209.7443](tel:306.209.7443)

LEED workshop (august) – a group of students are looking to obtain LEED certification / designation. Currently I am working with them and the Saskatchewan CaGBC to set up a training syllabus.

### **Past President & Research Promotion**

*by Jason Danyliw*

Thank you to all of those individuals and companies who have already made gracious donations to support the 2012/13 ASHRAE Regina Research Promotion campaign, as we are currently at 47% of our goal for this year. The chart below notes donors thus far this year, and tracks our donation progress.



# What's New in ASHRAE

Brought to you by the ASHRAE Chapter Technology Transfer Committee

[www.ashrae.org/abepwebcast](http://www.ashrae.org/abepwebcast)

**FREE ASHRAE Webcast**

**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](http://www.ashrae.org/ABEPwebcast) OR scan this tag with your smart phone.

ASHRAE

**ASHRAE NAC Hosts**  
**John Ross Open**  
**2013**

**Saturday, March 2, 2013**  
 Granite Curling Club  
 8620 107 St.

**Please join us for fun, food & prizes!**  
 Enter your team today! Compete with teams from across ASHRAE's Region XI for the historic John Ross title.

**10:00 am start time**  
 Dinner and prizes to follow

In an effort to revive the John Ross Open as a regional event, NAC would like to host one team per chapter.

Teams would be responsible for their accommodations, transportation and meal tickets at the spiel (\$20/plate).

Currently NAC has budgeted for five teams, so please sign up ASAP to ensure your spot.

**Register by Feb. 25\*** at [www.ashraenac.org/tickets](http://www.ashraenac.org/tickets)  
 Questions or comments? [curling@ashraenac.org](mailto:curling@ashraenac.org)

A block of rooms has been set aside at the Viceroy Hotel on Whyte  
 8208 106th street | 1-780-434-6111 | [www.viceroy.com](http://www.viceroy.com)

**Prize donations gladly accepted**  
 A Northern Alberta Chapter Social Event  
 Non-members welcome

ASHRAE Northern Alberta Chapter

## 12-2013 ASHRAE Regina Board of Governors

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*President*

Carla Spriggs  
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*Past President & Research Promotion*

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*President Elect & Programs Chair*

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## Regional & Society Executive

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### *Regional XI Executive*

Director & Regional Chair  
Kevin Marple,  
*Benz Air Engineering Co. Inc.*

Assistant Regional Chair  
Erich Binder,  
*Erich Binder Consulting Ltd.*

Membership RVC  
Murdoch MacPherson,  
*MacPherson Engineering Inc.*

Research Promotion RVC  
Ryan MacGillivray,  
*Daniels Wingerak Engineering Ltd.*

CTTC RVC  
Leslie Johsson,  
*CDI Engineers*

Student Activities  
Stefan Lidington,  
*Oregon Air Reps*

Regional Treasurer  
Rob Craddock,  
*Inland Metal Manufacturing*

Nominating Delegate  
Norm Grusnick,  
*Ecco Manufacturing*

Nominating Alternate  
Eileen Jensen,  
*Bonneville Power Administration*

### *Society Executive*

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