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 2nd 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 28th to 30th. 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 50th Anniversary party on March the 27th have been issued, please let us know if you did not receive yours. Please note that we have requested you RSVP by February 22nd.

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 50th Anniversary

In this Issue

President’s Message......................... 1
Meetings & Events.......................... 2
Committee Chair Reports............... 3
New in ASHRAE........................... 6
Board of Governors....................... 7
Regional & Society....................... 8
2013 Meetings and Events

February 13, 2013
Distinguished Lecturer: Alan Niles
Design and Economics of Commercial Ground Loop Heat Pump Systems

March 27, 2013
ASHRAE Regina 50th 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

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 50th Anniversary Celebration. I encourage you all to come and celebrate with us. It is March 27th 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 13th, 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

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.
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 10th). Prior to this the students will present on project day (Saturday April 6th). I will be looking for a few volunteers to help out with judging, etc.

WESST EM (May 3rd-May 5th): 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
306.520.8584

Nicole Barber
EM Co-Chair - Sponsorship
industry@uofrengineering.com
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.
Committee Chair Reports Continued

**Past President & Research Promotion Continued**  
*by Jason Danyliw*

I have many calls out to various companies and ASHRAE members, with cheques currently being processed. So I look forward to this donation level continuing to increase over the next few months to allow us to reach and exceed our overall RP fundraising goal of $12,500.00 for this year.

This month is ASHRAE Research Promotion Night, where we will be presenting the donor recognition awards for last year (with the help of our special guest Distinguished Lecturer). So I would ask that all ASHRAE Regina members try and be in attendance to accept your awards and be recognized for your great contributions.

See you all at the upcoming February meeting.
What’s New in ASHRAE

Assessing Building Energy Performance: From Principles to Practice
April 18, 2013 10:00 AM - 4:00 PM CST

This webinar will demonstrate how to optimize building performance and achieve significant energy savings. Presenters will provide practical insights into optimizing energy performance through advanced modeling techniques, as well as best practices for maximizing energy performance.

How to Participate:
• Register online at www.ashrae.org/webcast
• Join the webinar meeting ID 229-452-826
time scheduled for the webinar.

ASHRAE Challenge:
Three (3) participants will receive a free 2013 ASHRAE SmartCard. Entry deadline is February 28, 2013.

For more information about the program, presenters, continuing education credits, sponsorship, and ABEF resources, please visit www.ashrae.org/ABEF/webcast OR scan the QR code on your smartphone.

ASHRAE NAC Hosts
John Ross Open
2013
Saturday, March 2, 2013
Grande Curling Club
8630 107th St.

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

18:00 am start time
Dinner and prizes to follow
In an effort to revitalize the John Ross Open as a regional event, NAC would like to host six team per chapter.
Teams would be responsible for their accommodations, transportation and meal tickets at the spa! ($200 per team).
Currently, NAC has budgeted for five teams, on please sign up ASAP to ensure your spot.
Register by Feb. 25th at www.ashraenac.org/tickets
Questions or comments: curling3@ashrae.org

A portion of proceeds will be donated to the Varsities Hockey-Winnipeg scholarship fund (www.varsitieshockey.com) Fund members welcome.

Prize donations greatly appreciated.
This event sponsored by the John Ross Chapter Social Events.

Ashrae Regina Chapter - Pile of Bones - FEBRUARY
12-2013 ASHRAE Regina Board of Governors

President
Carla Spriggs
HDA Engineering Ltd.
cspriggs@hdaeng.com

Past President & Research Promotion
Jason Danyliw
H.V.A.C. Sales Ltd.
jason@skhvac.com

President Elect & Programs Chair
Alana Yip
Sasktel
alana.yip@sasktel.net

Vice President & Newsletter
Janel Walter
HDA Engineering Ltd.
jwalter@hdaeng.com

Membership Promotion
Greg Fluter
MacPherson Engineering
g.fluter@mac-eng.ca

Secretary
Brad Huber
Cypress Sales
b.huber@cypresssales.com

Student Activities & YEA Chair
Jared Larson
MacPherson Engineering
j.larson@mac-eng.ca

Treasurer
Kris Pockett
Kris Pockett Construction
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/
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

President
Tom Watson,
*Daikin McQuay*

President-Elect
William Bahnfleth,
*Pennsylvania State University*

Treasurer
Tom Phoenix,
*Moser Mayer Phoenix Associates*

Vice President
Constantinos Balaras,
*National Observatory of Athens*

Vice President
Daniel Pettway,
*Hobbs and Associates*

Vice President
Thomas Werkema,
*Arkema Inc.*

Vice President
Timothy Wentz,
*University of Nebraska*

Secretary
Jeff Littleton,
*Ashrae*