President’s Message
By Carla Spriggs

Thank you to Alan Niles for his presentation on the Design and Economics of Commercial Ground Loop Heat Pump Systems. He had some very good information to pass along to us. Also thank you again to our donors for ASHRAE Research. We rank very high in our region for dollars per member raised. This money helps us all to become a better industry.

This month is the 50th anniversary party being held at the Royal Regina Golf Club on Wednesday March 27th. Cocktails will start at 5 followed by dinner and a short presentation. I hope everyone and their spouses will be joining us to celebrate this achievement. Tom Watson the Society President and Kevin Marple the DRC for the region will be joining us for this dinner.

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. We will also be hosting an afternoon seminar on Wednesday April the 17th with Distinguished Lecturer Kishor Khankari. He will be teaching us about natural ventilation systems and stratified air ventilation systems. Please watch for the flyer for registration information. 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 next Wednesday night for the 50th anniversary. Enjoy the snow everyone.
2013 Meetings and Events

March 27, 2013
ASHRAE Regina 50th Anniversary Celebration
@ Regina Royal Golf Course

April 10, 2013
Student Night

April 17, 2013
Distinguished Lecturer: Kishor Khankari
Seminar: Design and Analysis of Natural Ventilation Systems and Stratified Air Ventilation Systems

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
Programs
by Alana Yip

I’d like to thank Alan Niles for coming out last month to present to us on ground loop heat pump systems. I know the presentation prompted a lot of discussion and that was great to see.

ASHRAE Regina was chartered on March 22, 1963 – making this month our 50th Anniversary of being a chapter. We are recognizing this event by having our 50th Anniversary Celebration on Wednesday, March 27th at the Royal Regina Golf Course. The RSVP deadline has passed already, however Rob can accommodate a few extra. If you haven’t responded yet and want to come, let Rob Craddock know immediately! We are sitting at 96 people to date! The organizing committee; Rob Craddock, Bob England, Jerry Boulanger, Ted Cooke, and Ray Sieber, have worked hard on making this a memorable and fun event for all and I’d like to take this opportunity to thank them in advance for all their hard work. We also have the privilege of having ASHRAE Society President, Tom Watson, ASHRAE Region XI Director & Regional Chair, Kevin Marple, and Incoming ASHRAE Society Director at Large, Bill Dean, joining us for this celebration. This marks quite a milestone for our chapter! Looking forward to the next 50 years!

Student Activities
by Jared Larson

During the past month I was invited by fourth year U of R industrial class to give a presentation on ASHRAE, where HVAC has come from, and where we are seeing current trends. I was given a 3 hour slot, and for those who know me, this is about 2 hours and 45 minutes longer than I like to speak. With donations of parts from Cypress sales and Christie Mechanical I put together a little “Jerry Boulanger-like” circuit to try and demonstrate the dynamics of a system. (see schematic). This was set up to mimic a chilled water circuit with a radiant cooled slab (tile with tubing embedded into mortar) and a fan coil (hair dryer and copper coil). The network was an open water system. The students would take the place of a building management system. Each student had to control one device. The chiller was an open bucket of water, and this student maintained the water bath at a constant chilled temperature by adding ice cubes. The students on the radiant floor and fan coil throttled their valves to maintain temperature setpoints, and another student was in charge of measuring floor temperatures and fan coil air temperature. This helped to demonstrate the dynamics of a system, and what happens when it is not at design conditions or steady state. It went well, and more importantly no one knocked over my bucket of water.
My vision for the next year is to work with select staff at the university to make a more permanent set up for teaching. It is a big step, but should not be difficult knowing partners in our industry. I have already had a few initial discussions.

I was also invited to talk to a grade 3 class at Jack Mackenzie School regarding measurement as it related to the engineering and construction industry. I put together a small session on measurement and put the kids to work. The following is a class picture. I am the larger bald kid in the back row.

Upcoming events:
WESST EM – ASHRAE was invited to do an informal session with students as a kick off. It will highlight sustainability on the campus as well as provide a lay of the land tour for visitors. I will need volunteers to help out. It is on May 2nd in the afternoon. If anyone is interested in directly making financial contributions you can contact:

Brad Lulik
EM Chair
emchair@wesst.ca
306.520.8584

Nicole Barber
EM Co-Chair - Sponsorship
industry@uofrengineering.com
306.209.7443

One of the instructors at SIAST in Moose Jaw has also asked me to come in and talk to his class. They are working on an HVAC project in their class and I am in the process of setting up a local building tour and short presentation. They will also have the chance to ask questions about their projects, and get a feel for industry trends. This will occur on March 19th.

I was also invited to do another session with engineers building engineers at the same school again near the end of May. If anyone is interested in coming out for 2 hours please let me know. It is challenging, but often rewarding.

Past President & Research Promotion
by Jason Danyliw

Thank you again 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 65% of our goal for this year.

I will be continuing to follow up with Chapter members over the next short while to collect valuable donations, and allow us to reach and exceed our overall RP fundraising goal of $12,500.00 for this year.

See you all at the upcoming March 50th Anniversary celebration.
What’s New in ASHRAE

Join us April 18th, 2013 for the ASHRAE Webcast!
Hosted by Sasktel
Located at 2121 Saskatchewan Drive
11:00 am - 2:00 pm local time
(Lunch will be provided by Sasktel)

2013 Annual Conference
June 22-26, 2013
Denver, Colorado

ASHRAE Learning Institute
2013 Spring Online Course Series

2 WAYS TO REGISTER
Internet: www.ashrae.org/education
Note: You may register up to 24 hours prior to on-line course. Courses are in US Eastern Standard Time.

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<tr>
<th>Course</th>
<th>Date</th>
<th>Time</th>
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<tr>
<td>Basics of High-Performance Building Design</td>
<td>Mon. March 18, 2013</td>
<td>1:00 pm to 4:00 pm ET</td>
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<tr>
<td>All-re-Air Energy Recovery Fundamentals</td>
<td>Wed. March 20, 2013</td>
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<td>Advanced High-Performance Buildings Design</td>
<td>Mon. March 25, 2013</td>
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<td>All-re-Air Energy Recovery Applications: Best Practices</td>
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<td>Developing with Standard 90.1-2010: Envelope/Plant/Glazing</td>
<td>Wed. April 17, 2013</td>
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<tr>
<td>Humidity Control Troubleshooting</td>
<td>Mon. April 22, 2013</td>
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<td>Combined Heat &amp; Power: Creating Efficiency Through Design &amp; Operations</td>
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<td>Complying with Standard 90.1-2010: HVAC/Mechanical Design</td>
<td>Mon. April 29, 2013</td>
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<td>The Commissioning Process &amp; Guideline 0</td>
<td>Wed. May 1, 2013</td>
<td>1:00 pm to 4:00 pm ET</td>
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<td>Fundamental Requirements of Standard 62.1-2010</td>
<td>Wed. April 17, 2013</td>
<td>1:00 pm to 4:00 pm ET</td>
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* Take 3 or more courses and save 20% off registration!

HVAC Design: Level I - Essentials

This training provides intensive, practical education for designers and others involved in delivery of HVAC services. Gain practical skills and knowledge in designing, installing and maintaining HVAC systems that can be put to immediate use. This training provides real-world examples of HVAC systems, including calculations of heating and cooling loads, ventilation and airflow selection using the newly renovated ASHRAE Headquarters building as a live lab.

HVAC Design: Level II - Applications

Developed by industry leading professionals, the training course provides participants with advanced level information about designing, installing and maintaining HVAC systems that can be put to immediate use. Participants will gain an in-depth look into Standards 55, 52.1, 90.1 and 189.1 and the Advanced Energy Design Guide, as well as a range of other HVAC topics including: HVAC equipment and systems; energy modeling; designing mechanical spaces; designing a chilled plant; and BAS concepts.

Creating Effective, Highly Skilled Engineering Team Members

- Gain knowledge to make immediate contributions to design projects
- Principles in-depth, project-based training
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Visit www.ashrae.org/hvacdesign to register
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