



# Pile of Bones

Published by the Regina Chapter of ASHRAE

## President’s Message

By Alana Yip

Welcome back to another ASHRAE year! I hope you all have had the opportunity to enjoy some of the hot weather we’ve experienced this year. As usual, it’s hard to believe that summer is over and we all getting back into routines and everyone’s activities. I’d like to thank Carla Spriggs for all her work as President last year and I will work to continue the good job that she did for the chapter this past year.

There are some changes to our Chapter Executive this year. We welcomed Dan Brothers, from RJ England Consulting, to the board as VP & Newsletter Chair. There was a new position this year, the Grassroots Government Activities Committee Chair, and Jason Danyliw took that position. All the board members remain on the board, some with new roles, so see the new Regina Chapter Board of Governor’s on page 10.

Janel Walter is our incoming President Elect and Programs chair this year. She has worked hard at planning a great year of educational and exciting programs, including another ASHRAE Presidential visit, Distinguished Lecturers and a tour.

We look forward to seeing you all at the upcoming meetings this year.

### Meeting Notice

Wednesday, September 11<sup>th</sup>, 2013

#### **Bushwacker Brewpub**

2206 Dewdney Ave Regina, SK

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

### Upcoming Events

October 9<sup>th</sup>, 2013

*At The University Club*

November 20, 2013

*Guest Speaker David Underwood*

*Location TBD*

December 2013:

*Christmas Social*

### *In this Issue*

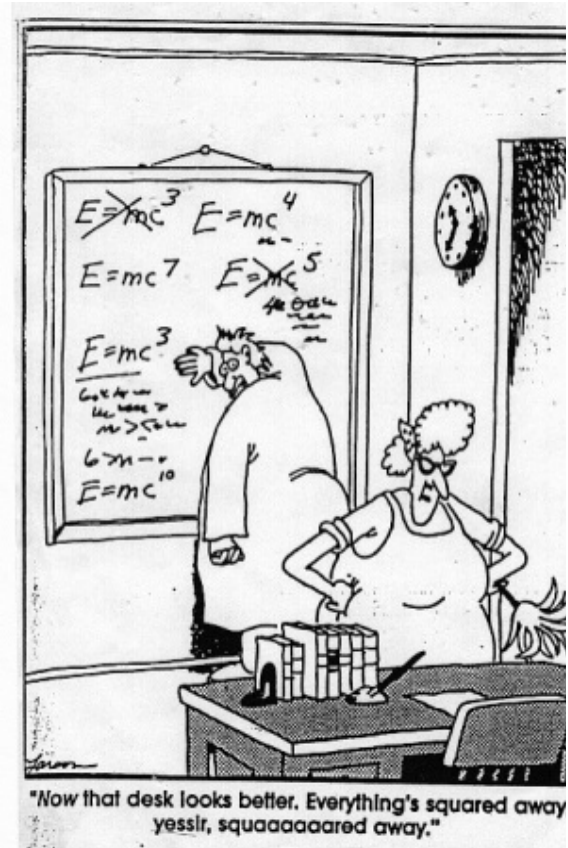
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# Pile of Bones

## President's Message Continued

Thank you to everyone who contributed to ASHRAE Research last year. We yet again hit another Chapter record amount for donations. Thanks to Jason Danyliw for all his hard work and great job at Research Promotion Chair last year, and we know that Carla will be working hard to carry that forward this year.

Our kick off meeting this year is on Wednesday, September 11<sup>th</sup>, at the Bushwakker Brew Pub. It should be a great time of tech talks, networking, and good beer. Saying that, everyone will be responsible for their own drink tab as usual! I look forward to seeing you there!



**IAQ 2013**  
Environmental Health in  
Low Energy Buildings  
Oct. 15-18, 2013  
Vancouver, British Columbia,  
Canada

## 2013-2014 Meetings and Events

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September 11, 2013

Speaker: Neil Paskewitz

*U of R Development Update*

Cyrus Kangaroo

*Hydronics Applications in Europe*

October 9, 2013

Speaker: TBD

November 20, 2013

Speaker: David Underwood

*Standard 90.1*

December 2013

*Christmas Social*

January 7, 2014

Presidential Visit Bill Bahnfleth

January 18-22, 2014

ASHRAE Winter Conference

New York City, New York

February 12, 2014

Speaker: TBD

March 12, 2014

Distinguished Lecturer: Lily Wang

*Improving Noise Concerns in Classroom Environments*

April 9, 2014

Student Night and RVC visit from Leslie Jonsson

April 17, 2014

ASHRAE Webcast

*Energy and Water Efficiency without Compromising IEQ*

May 1-3, 2014

Region XI CRC in Mid Columbia

May 14, 2014

Speaker: TBD

June 2014

ASHRAE Research Golf Tournament



**AHRI Low-GWP  
AREP Conference**  
**January 16, 2014 • New York City**  
**New York Hilton Midtown**

## Committee Chair Reports

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### **Programs**

*by Janel Walter*

Welcome back to another year of ASHRAE programs! Hopefully everyone enjoyed their summer and I hope it's not done just yet.

This year I have the privilege of scheduling our Programs and I think it is shaping up to be a good one! I wanted to kick off the year in an environment that everyone enjoys so we will be heading to Bushwakker for our first meeting of the year. Most of us have done the tour already so this time around I think we can all just relax and enjoy the atmosphere, some of their fine products and a couple of great Tech Talks.

This month we have Neil Paskewitz from the University of Regina doing a short talk about what's going on at the University Campus in terms of their development. We all know there has been a lot going on over there over the past few years and are looking forward to hearing about the progress.

We also have the pleasure of having Cyrus Kangaroo speak to us about the way hydronics

are being used in the European market and how that differs from what we do here. Cyrus is a Sales/Operations Manager with Jaga Climate Systems, providing support for engineers, architects and builders in the Pacific Northwest and Western regions of Canada.

This year I hope we can all get some great information about our ever changing industry. It is my responsibility to help share some of this information with you and provide programs of interest to our members so please contact me with any suggestions, areas of interest or comments at [jwalter@hdaeng.com](mailto:jwalter@hdaeng.com) or by phone (306)525-9815.

I look forward to seeing you all September 11<sup>th</sup> to kick off the 2013-2014 year and just to peak your interest, a free drink will be included with your supper.... so come find me and try something off the menu, on us!

## Committee Chair Reports Continued

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### Membership Promotion

by Greg Fluter

Welcome to the new ASHRAE year! I hope you all had a great summer. I will once again be the Membership Promotion Chair for the Regina Chapter. We had a fairly good year last year with recruiting new members, however, with a few retirements and a few membership transfers away from our Chapter we were only able to break even in terms of total Area Assigned Members. Our goal for this year is to increase our membership by another 6 or 7 (or even more would be fantastic). I ask that each of you help achieve this goal by forwarding any names of those who might be interested in joining ASHRAE. As well, I will be contacting some of chapter members and companies to see if they have any new or existing employees who would like to join.

If any company has hired a recent graduate who held an ASHRAE student membership last year, please let them know of the Smart Start program which gives them reduced annual Society dues for the first three years (\$20 first year out of school, \$50 for second and \$50 for third year). This basically gets the new member three years of membership for the price of one (\$120). They must complete the transfer before their active student membership expires. More information is available at [www.ashrae.org/smartstart](http://www.ashrae.org/smartstart) or have them contact me.

Also, I'd like to remind everyone to ensure their Society Membership has been renewed. Society notifies you (usually by email) when your Society fees are due. I receive a monthly delinquent list from Society and will contact you if your name happens to show up on the list. You can renew your membership online at <http://www.ashrae.org/membership--conferences/renew-my-membership>. As for

your Chapter Membership, our treasurer will be emailing you an invoice in September. Please remit payment upon receiving your invoice.

If you have any questions about your membership please give me a call or email me at [g.fluter@mac-eng.ca](mailto:g.fluter@mac-eng.ca).

### Student Activities

by Jared Larson

With another year upon us we have got off with a running start. I have had a planning meeting with the U of R RESS. We will be sponsoring the year 1-4 event for the engineering students again. I will need volunteers to help man the booth for the evening of Sept. 23<sup>rd</sup>. This is great chance to meet students in a casual environment. If it helps, they also serve alcohol. Please note the following upcoming events where we need member participation:

#### U of R

-Year 1-4 Sept 23. Display table and Information both.

-R.E.C. (Regina engineering competition) Oct 26<sup>th</sup> all day – Last year we had three members judge engineering competitions.

-Engineering week – Jan 20-24<sup>th</sup> – Nothing is yet planned, but I have been put in contact with this year's organizer

-We had a tremendous response to the laser tag night last year. It is looking like this may occur in early October. This should give enough time for you to improve your game.....unless you are Shane.

-There is some interest from students in taking a LEED course, and some have already done this. It would be beneficial to set up something in a joint venture. It is important that ASHRAE maintain its technical authority in the industry.

-4<sup>th</sup> year projects: I am looking for ideas for projects ideas / group sponsors. The best projects to submit are something the students can build. Last year we submitted 5 projects, and three were chosen. This year I have two in mind, but if anyone has a need for developing a software or controllers for equipment, integration of smart phone apps for HVAC equipment, equipment or manufacturing/construction jigs related to our industry, environmental related designs for treating water/wastewater, etc.

#### K-12 / Engineers Building Engineers

-This year I am expanding the engineers building engineers program into other schools. Over the summer I have been talking to the principal at Arcola School to bring our presence there. There is a large need for mentorship, and we can help out there. We should have the details worked out by the end of September. After this I will be looking for any help I can get.

-We have been asked to continue our work at Mother Teresa Middle School this year, and I

look forward to this. Dan volunteered last year and was a huge help.

-I have been talking to one of the teachers at Jack Mackenzie school. We may be able to fit into their science curriculum, and make a class visit when the timing works out.

- I have many resources for talking to students in schools. If you have children in school and you are interested, then let me know I can give you ideas, or material.

#### Community

-I have been in conversations with the Science Centre. They are beginning a new exhibit on sustainable housing and we can play an important role here, and make ourselves more visible to the public.

For other updates check out the facebook page <https://www.facebook.com/AshraeReginaSaskatchewanStudentChapter>



## Guest Speaker in Saskatoon

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ASHRAE Saskatoon would like to invite you to a two day seminar on:

**“Essential Leadership and Business Development Skills for Professionals”**

**When: Tuesday / Wednesday, November 12th and 13th, 2013**

**Where: Saskatoon, SK (Location TBD)**

**Instructor: Ralph Kison, Growth Through Learning Inc., Richmond, BC ([www.kison.com](http://www.kison.com))**

**Course Content: The presentation will address four key areas: Leadership skills - Communication skills - Business development - Personal branding**

**The seminar will provide attendees with timely and relevant content and material being presented to ASHRAE and related associations and firms in the engineering sector in North America. Opportunities for group interaction discussion and will be used to engage the attendees and provide maximum value and resources to apply immediately with their clients and project teams.**

**The seminar includes lunch both days, and supper at the November 12 ASHRAE meeting, at which Ralph will be the feature speaker.**

**Cost: ASHRAE Member \$350, non-member \$450, Students \$150**

**Contact Ryan MacGillivray, [ryan.macgillivray@dwel.com](mailto:ryan.macgillivray@dwel.com) or 306-477-0678 for more information.**

**KISON**  
Business Development  
and Sales Specialists



## ASHRAE Announces 2013-14 Conference Lineup

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Atlanta - Mark your calendars now because ASHRAE's conference schedule for 2013-2014 is widespread in both dates and global reach.

ASHRAE conferences present the latest developments in the industry and fundamental tried and true practices. Topics range from high performance buildings to buildings that have combustion with low-grade fuels.

- Oct. 15-18, [ASHRAE IAQ 2013: Environmental Health in Low Energy Buildings](#), Vancouver, British Columbia
- Jan. 18-22, 2014, [ASHRAE Winter Conference](#); Jan. 20-23, AHR Expo, New York, New York
- Feb. 24-26, 2014, [First International Conference on Energy and Indoor Environment for Hot Climates](#), Doha, Qatar
- April 7-8, 2014, [High Performance Buildings Conference](#), San Francisco, Calif.
- April 24-25, 2014, [Efficient, High Performance Buildings for Developing Economies](#), Manila, Philippines
- June 28-July 2, 2014, [ASHRAE Annual Conference](#), Seattle, Wash.
- September 10-12, 2014, [ASHRAE/IBPSA-USA Building Simulation Conference](#), Atlanta, Ga.

The conferences feature peer-reviewed papers, presentations with hands-on information presented in a non-commercial format, Professional Development Hours and networking opportunities.

**ASHRAE IAQ 2013** in October 2013 reviews the state of knowledge on the balance between environmental health and energy efficiency in the pursuit of low energy buildings and covers a range of topics: residential and commercial buildings, new construction and retrofit, active and passive approaches, design and operation.

What better city than New York for ASHRAE to host a **Winter Conference** in January 2014 with a Technical Program focused on buildings? The Conference has a building-oriented theme with papers and presentations related to building information systems; environmental health; international design; HVAC&R applications and systems; and, of course, tall building performance.

The First International Conference on Energy and Indoor Environment for Hot Climates in February 2014 tackles energy and indoor environmental quality issues in humid and arid hot climates, providing a forum for discussion of the latest research and developments.

Building upon its 2012 High Performance Buildings Conference and 2009 Net Zero Conference, the **High Performance Buildings Conference** in April 2014 seeks to advance the industry's efforts to accomplish a true high-performance built environment. The tracks include building performance modeling, envelope strategies, lighting/daylighting strategies, indoor environmental quality strategies, building occupant behavior, market value, new building technologies and case studies and lessons learned.

The design, construction and operation of energy efficient, high performance buildings in developing economies have been identified by the building industry and policymakers as key areas where technology, standards and investments are needed.



The **Efficient, High Performance Buildings for Developing Economies Conference** in April 2014 will address a number of themes on this topic.

The **2014 ASHRAE Annual Conference** takes place in Seattle, Wash., June 2014. The Conference addresses broad topics in the application of technology to practice, specific applications in ground source heat pumps, operations and maintenance and indoor environmental quality as well as new reports on research taking place worldwide.

Finally, ASHRAE and IBPSA-USA have created a new jointly co-sponsored **Building Simulation Conference** taking place in September 2014 that encompasses the ASHRAE Energy Modeling and IBPSA-USA SimBuild Conferences. The conference is a first for the industry and focuses on “BIM, BEM and SIM – Integrated Building Design and Modeling,” addressing building information modeling, building energy modeling and building simulation. ASHRAE, founded in 1894, is a building technology society with more than 50,000 members worldwide. The Society and its members focus on building systems, energy efficiency, indoor air quality, refrigeration and sustainability. Through research, standards writing, publishing, certification and continuing education, ASHRAE shapes tomorrow’s built environment today. More information can be found at [www.ashrae.org/news](http://www.ashrae.org/news)

## 2013-2014 Ashrae Regina Board of Governors

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[ashraeregina@gmail.com](mailto:ashraeregina@gmail.com)

*Visit us at:*

<http://regina.ashraechapters.org/>

## Regional & Society Executive

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### *Regional XI Executive*

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Assistant Regional Chair  
Keith Yelton,  
*ACI Oregon*

Membership RVC  
Bruce Dobbs,  
*NW Natural*

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

GGAC RVC  
Jeff Hurd,  
*Anchorage Water & Wastewater Utility*

Student Activities  
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*Oregon Air Reps*

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*Inland Metal Manufacturing*

Nominating Delegate  
Norm Grusnick,  
*Ecco Manufacturing*

Nominating Alternate  
Eileen Jensen,  
*Bonneville Power Administration*

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*ASHRAE*

# ASHRAE Learning Institute

## 2013 Fall Online Course Series

### 2 WAYS TO REGISTER

Take 3 or more courses and save 15% off registration!

**Internet:** [www.ashrae.org/onlinecourses](http://www.ashrae.org/onlinecourses)

**Phone:** Call toll-free at 1-800-527-4723 (US and Canada) or 404-636-8400 (worldwide)

**Note:** You may register up to 24 hours prior to an online course. Courses are in US Eastern Time.

**Complying with Standard 90.1-2010: HVAC/Mechanical**  
Mon, September 30, 2013 – 1:00 pm to 4:00 pm EDT

**Energy Management in New & Existing Buildings**  
Wed, October 2, 2013 – 1:00 pm to 4:00 pm EDT

**High-Performance Building Design: Applications & Future Trends**  
Wed, October 9, 2013 – 1:00 pm to 4:00 pm EDT

**Commissioning for High-Performance Buildings**  
Wed, October 16, 2013 – 1:00 pm to 4:00 pm EDT

**Fundamentals Requirements of Standard 62.1-2010**  
Mon, October 21, 2013 – 1:00 pm to 4:00 pm EDT

**Air-to-Air Energy Recovery Fundamentals**  
Wed, October 23, 2013 – 1:00 pm to 4:00 pm EDT

**Data Center Energy Efficiency**  
Mon, October 28, 2013 – 1:00 pm to 4:00 pm EDT

**Air-to-Air Energy Recovery Applications: Best Practices**  
Wed, October 30, 2013 – 1:00 pm to 4:00 pm EDT

**IAQ Best Practices for Design, Construction & Commissioning**  
Wed, November 13, 2013 – 1:00 pm to 4:00 pm EST

**The following courses are comprised of two parts. Registrants must attend both parts in order to receive CEU/PDH credits.**

**Energy Modeling Best Practices & Applications**  
Part 1 - Mon, September 16, 2013 – 1:00 pm to 4:00 pm EDT  
Part 2 - Mon, September 23, 2013 – 1:00 pm to 4:00 pm EDT



**Commercial Building Energy Audits**  
Part 1 - Mon, November 4, 2013 – 1:00 pm to 4:00 pm EST  
Part 2 - Wed, November 6, 2013 – 1:00 pm to 4:00 pm EST

## HVAC Design Training

2 Courses, 5 Days of Intense Instruction

Oct 28 – Nov 1, 2013

### HVAC Design: Level I - Essentials

ASHRAE's *HVAC Design: Level I - Essentials* provides intensive, practical training for HVAC 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. The training provides real-world examples of HVAC systems, including calculations of heating and cooling loads, ventilation and diffuser selection using the newly renovated ASHRAE Headquarters building as a living lab.

### HVAC Design: Level II - Applications

ASHRAE's *HVAC Design: Level II – Applications* provides advanced instruction on HVAC system design for experienced HVAC designers and those who complete the *HVAC Design: Level I – Essentials* training. In two days, gain an in-depth look into *Standards 55, 62.1, 90.1, and 189.1* and the *Advanced Energy Design Guides*. Training will focus on a range of topics including: HVAC equipment and systems; energy modeling; designing mechanical spaces; designing a chiller plant; and BAS controls.

Visit [www.ashrae.org/hvacdesign](http://www.ashrae.org/hvacdesign) to register

# ASHRAE Certification Programs

ASHRAE has developed a 30-question Online Practice Exam for the Commissioning Process Management Professional (CPMP) certification. This Online Practice exam, available for \$39.00, is written to the same specifications as the actual exam and:

- familiarizes applicants with computer-based testing.
- offers a sense of how to time yourself during the actual exam.
- is taken in the privacy of your home, office, or on the road.
- has no application process and can be taken any time during the 30 days after purchase.
- provides a score report and feedback report to indicate weak areas.

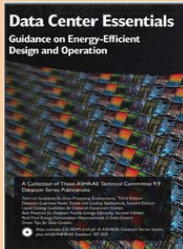
Online Practice Exams are planned for all six ASHRAE certifications.

To access the CPMP practice exam, go to [www.ashrae.org/CPMP](http://www.ashrae.org/CPMP).

## Hot Products from ASHRAE

A leader in HVAC&R technology, ASHRAE publications cover topics that impact every facet of the environment, both indoors and out.

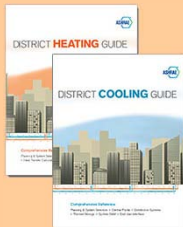
### Now in One Place: Vital Data Center Guidance



*Data Center Essentials: Guidance on Energy-Efficient Design and Operation* assembles into one publication all the information needed to design, operate, and maintain energy-efficient data centers. This essential volume presents fundamental guidance from ASHRAE Technical Committee (TC) 9.9, the industry-recognized source for mission critical facilities.

\$289 (\$189 ASHRAE Member) / 1,060 pages / 2013

### Comprehensive Coverage of All Aspects of District System Design



The *District Heating Guide* and *District Cooling Guide*, now bundled for one low price, fulfill a worldwide need for modern and complete design guidance for district systems. Expanded from the District Heating and Cooling chapter in the *2012 ASHRAE Handbook*, these guides provide in-depth coverage, additional topics, and case studies. The *District Heating and Cooling Guides* draw on the expertise of an extremely diverse international team with current involvement in the industry and hundreds of years of combined experience.

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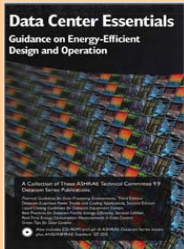
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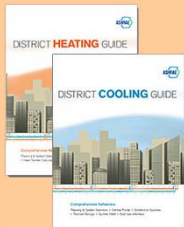
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