



Pile of Bones

Published by the Regina Chapter of the ASHRAE

President's Message

by Jason Danyliw

Thank you to John Dipple for joining us last month, and providing us insight on contract law and ramifications of emails. Thank you also to Jerry Boulanger for his case study technical presentation on temperature differential in hydronic systems. Both presentations provided great information to those in attendance.

We have the privilege this month to have an ASHRAE Distinguished Lecturer Peter Simmonds join us for the meeting, where he will present on "High Performance Buildings and Occupant Comfort". That is sure to be an interesting presentation, and we hope all members can attend.

At the next meeting in April, we will be presenting and voting on the budget for the next operating ASHRAE year (2012/2013). So please try to attend so you can have a say where your Chapter dues get spent.

Please make note that April is Student Night, so please plan to attend the meeting to support our students and witness some very interesting U of R 4th year engineering project presentations.

With a few people leaving the current Board at the end of this year, we are looking for new Regina Chapter Board of Governor positions for the upcoming ASHRAE year. It is a very rewarding position to have an input on the ASHRAE Regina Chapter operation, with many industry benefits to be had. So please consider putting your name forward and let myself or Carla Spriggs know if you are interested in getting involved.

Just a reminder that the next ASHRAE webcast is scheduled for April 19, 2012, where the topic will be "Dedicated Outdoor Air Systems – Balancing Energy and IEQ". This free webcast will be held at the SaskTel Auditorium from 11:00 – 2:00 p.m., with HDA Engineering covering lunch. Further details are included later in the newsletter.

Hope you can all make it to the meeting!

Meeting Notice

Wednesday, March 14, 2012
ASHRAE Distinguished Lecturer

Hotel Saskatchewan - Radisson Plaza
2125 Victoria Avenue, Regina, SK

5:15 pm - Cocktails

5:45 pm - ***Distinguished Lecturer:
Peter Simmonds; High Performance
Buildings and Occupant Comfort***

6:45 pm - Dinner Buffet

7:30 pm - ASHRAE Chapter Meeting

Upcoming Events

March 30-April 1 YEA Leadership Weekend

April 4 - Student Night / Next Chapter Meeting

April 19 - ASHRAE Webcast: Dedicated Outdoor Air Systems

In This Issue...

President's Message	- pg 1
2011/2012 Meeting Schedule	- pg 2
Committee Chair Reports	- pg 3
ASHRAE Society News	- pg 4
ASHRAE Webcast Info	- pg 5
Regina Board of Governors	- pg 6
Regional & Society Exec List	- pg 7

2011/2012 MEETING & EVENT SCHEDULE

September 14, 2011

Speaker: Mr. Kevin Korecki;

Air to Air Recovery Technologies and Applications

February 15, 2012

Speaker: John Dipple

Contract Law & Emails

October 12, 2011

*Distinguished Lecturer: Dennis Knight;
Building Information Modeling (BIM) for the
Mechanical Disciplines*

February 25, 2012

John Ross Curling Event in Edmonton, AB
<http://region11.ashraeregions.org/John%20Ross%202012%20NAC.PDF>

November 9, 2011

*Distinguished Lecturer: Paul L. Pieper;
Meeting and Exceeding High Performance
Standards, Codes and Guidelines*

March 14, 2012

***Distinguished Lecturer: Peter Simmonds; High
Performance Buildings and Occupant Comfort***

December 2011: November 25th

Christmas Social Event: Dinner and CSI Regina

April 4, 2012

Student Night

January 10, 2012

Presidential Visit - Ron Jarnagin

April 19, 2012

ASHRAE Webcast : Dedicated Outdoor Air Systems

January 21 - 25, 2012

*ASHRAE Winter Conference & AHR Expo
in Chicago, IL*

May 9, 2012

Building Tour; Location TBD

June 2012: TBD

ASHRAE Research Golf Tournament



COMMITTEE CHAIR REPORTS

President Elect & Programs Chair

by Carla Spriggs

Dr. Peter Simmonds, Distinguished Lecturer, will be joining us from Sherman Oaks, California this month. Peter Simmonds has a Bachelor of Science degree in Mechanical Engineering and another in Research and Development from Reading Technical College, and a Master's degree from HTS, Den Bosch, The Netherlands and a Ph.D. from T.U. Delft. He has been a member of ASHRAE since 1989. Dr. Simmonds is a recognized authority in the field of Radiant heating and cooling systems, as well as Thermal Comfort. The main goals of his research and applications have been to understand the heat transfer and performance of radiant systems for both heating and cooling. His studies related to thermal performance of these systems led to a unique way to enhance in these systems. Publications of his work led to the development of radiant systems in the USA and are included in the ASHRAE Handbooks. He has received the Carter Bronze Medal from the Chartered Institution of Building Services Engineers in 1993.

He presently is a Senior Associate and Head of the Advanced Technology Group at IBE Consulting Engineers. He has authored or co-authored more than 60 technical papers, articles and books. He is a member of several ASHRAE Technical Committees and serves on the Handbook committee as well as Standard 55. Peter also teaches Graduate and Post Graduate Architectural students at the University of Southern California and Woodbury University.

The Presentation topic is "High Performance Buildings and Occupant Comfort". This lecture illustrates that the Predicted Mean Vote/Percentage Persons Dissatisfied (PMV/PPD) can be used to produce optimal designs for a number of different applications. One application was to evaluate an existing building to provide the owner with information on how to improve occupant comfort and improve building efficiency.

Previous work by Simmonds has shown that the effects on comfort results when varying clothing levels and metabolic rates of occupants is relatively small compared to changes in the engineered variables such as dry bulb temperatures, humidity, air velocity and mean radiant exchange. This lecture will show the results of the design process for each of the buildings explaining the intricacies of each solution and show that the new ASHRAE standard 55 can be used as an effective design and analysis tool for modern designs.



Next month we will be welcoming the students from the University of Regina to present their final projects. Please join us on March the 14th at the Hotel Saskatchewan for Distinguished Lecturer Dr. Peter Simmonds.

COMMITTEE CHAIR REPORTS

Past President & Research Chair

by *Heric Holmes*

The annual research drive has started. Our chapter will be in contact with most of you in the coming weeks. The goal this year has been raised to \$12,000. We are aiming to go beyond this, so that we can continue our lead in the region for pledges per member. If you haven't donated before and would like to, you can contact me at h.holmes@mac-eng.ca or 586-7972 and I will help you. You can also donate at <http://ASHRAE.org/donate>. The Research Golf Tournament is being planned for the last week in May. We will keep you posted as more details are confirmed.

Membership Promotion

by *Greg Fluter*

I would like to welcome the following people who have recently become Society members; Chris Best from Stantec Consulting and Robert McNichol, a student at the U of R.

If anyone has any new prospective members (i.e. clients, new employees, friends, colleagues, students, etc.) please forward their name and contact information to me and I will follow up with them. To join ASHRAE please click on the following link: <http://www.ashrae.org/membership--conferences/join-now#>. Please be sure to renew your Society Membership when you receive your renewal notice and remember to update your profile information if your information has changed. You can renew your membership at the following link: <http://www.ashrae.org/membership--conferences/renew-my-membership>.

ASHRAE NEWS

The ASHRAE News that is usually posted here can be found halfway down the page at:
<http://ashrae.org/pressroom/>.

These articles keep you up to date on ASHRAE activities.

ASHRAE HVAC&R Industry eNewsletter

If you wish to subscribe to the ASHRAE HVAC&R Industry eNewsletter, e-mail subscribe-eneews@ashrae.org with "Subscribe this address to The HVAC Industry eNewsletter" in the e-mail subject line.

ASHRAE HVAC&R Industry eNewsletter

If you wish to subscribe to the ASHRAE HVAC&R Industry eNewsletter, e-mail subscribe-eneews@ashrae.org with "Subscribe this address to The HVAC Industry eNewsletter" in the e-mail subject line.

ASHRAE Learning Insitute

The ASHRAE Learning Institute is offering on-line courses. There are 2 ways to register:

1. Internet : <http://www.ashrae.org/onlinecourses>

2. Phone: Call toll-free at 1-800-527-4723

NOTE: You may register up to 24 hours prior to an online seminar. Courses are in Eastern Time Zone.

ASHRAE Webcast Highlights Dedicated Outdoor Air Systems



Tim McGinn, P.E., LEED AP
DIALOG
Calgary, AB, Canada

Dr. Stanley Mumma, LEED AP
Pennsylvania State University
University Park, Pennsylvania

John Murphy, LEED AP
Trane Company
LaCrosse, Wisconsin

While conventional HVAC systems mix fresh outdoor air with the return air in one unit, Dedicated Outdoor Air Systems use standard equipment to condition fresh air separately before it enters the building. This departure from the standard configuration is quickly becoming a proven tool for utilizing energy more efficiently, and can provide a cost saving to the consumer. The major benefit of Dedicated Outdoor Air Systems is that they can allow better and more precise humidity and ventilation control as compared to conventional HVAC systems.

ASHRAE's upcoming webcast "**Dedicated Outdoor Air Systems– Balancing Energy and IEQ**" will focus on this method to save energy and money at the same time. The webcast takes place on **April 19, 2012, from 1:00 – 4:00 p.m. EDT**. This **free** webcast is brought to you by the Chapter Technology Transfer Committee and sponsored by **Valent Air Management Systems, Rotor Source, Inc., Engineered Air, and Heat Pipe Technology**.

"Based on growing popularity the chosen topic for the 2012 webcast is Dedicated Outdoor Air Systems," Andy Cochrane, Chair of the CTTC Webcast Ad Hoc Committee, said. "This webcast will describe the role of DOAS in the overall HVAC system, and discuss various DOAS equipment configurations and applications. From understanding DOAS system characteristics, to avoiding pitfalls and challenges unique to DOAS applications, the webcast is a must see for discerning owners and designers alike."

The webcast presenters are:

Tim McGinn, P.E., LEED AP, Principal, DIALOG, Calgary, Alberta, Canada

Stanley Mumma, Ph.D., P.E., Professor Emeritus of Architectural Engineering, Pennsylvania State University, University Park, Pennsylvania

John Murphy, LEED AP, Applications Engineer, Trane, LaCrosse, Wisconsin

Online registration for the webcast begins **March 19, 2012**. For more information on the webcast program, continuing education credits, and ASHRAE Dedicated Outdoor Air Systems resources, visit www.ashrae.org/doaswebcast. If you have questions about the webcast, call 678-539-1200 or email ashrae-webcast@ashrae.org.

**This webcast will be held at SaskTel's Auditorium.
Watch for further details closer to the date!**

THE 2011-2012 ASHRAE REGINA BOARD OF GOVERNORS

PRESIDENT



Jason Danyliw
H.V.A.C. Sales (1997) Ltd.
jason@skhvac.com

CHAPTER TECHNOLOGY TRANSFER CHAIR (CTTC)



Jerry Boulanger
J-Clan Services Ltd.
jclan@sasktel.net

PAST PRESIDENT & RESEARCH PROMOTION



Heric Holmes
MacPherson Engineering
h.holmes@mac-eng.ca

STUDENT ACTIVITIES & YEA CHAIR



Janel Walter
HDA Engineering
jwalter@hdaeng.com

PRESIDENT ELECT & PROGRAMS CHAIR



Carla Spriggs
HDA Engineering
cspriggs@hdaeng.com

TREASURER



Kris Pockett
Kris Pockett Construction
pockett@accesscomm.ca

VICE PRESIDENT & NEWSLETTER



Alana Yip
SaskTel
alana.yip@sasktel.net

WAYS & MEANS



Trevor Hobman
Cypress Sales Partnership
t.hobman@cypresssales.com

MEMBERSHIP CHAIR



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

HISTORIAN



Bob England
R J England Consulting Ltd.
rje.bob@sasktel.net

SECRETARY



Garry Tollefson
SaskPower
gtollefson@saskpower.com

Contact us at:
ashraeregina@gmail.com

Visit us at:
<http://regina.ashraechapters.org/>

Regional XI Executive

Director & Regional Chair

Erich Binder Southern Alberta Chapter

Assistant Regional Chair

Kevin Marple Oregon Chapter

Membership RVC

Murdoch MacPherson Regina Chapter

Research Promotion RVC

Ray Sieber Regina Chapter

CTTC RVC

Eileen Jensen Oregon Chapter

Student Activities

Stephan Lidington Oregon Chapter

Regional Historian

Bill Dean Saskatoon Chapter

Regional Treasurer

Rob Craddock Regina Chapter

Nominating Delegate

Norm Grusnick B.C. Chapter

Nominating Alternate

Eileen Jensen Oregon Chapter

YEA Member

Tariq Amlani B.C. Chapter

Society Executive

President

Ronald “Ron” Jarnagin, Richland, Wash.

President-Elect

Thomas “Tom” Watson, Staunton, Va.

Treasurer

William “Bill” Bahnfleth, University Park, Pa.

Vice President

Constantinos A. Balaras, Greece

Vice President

Timothy G. Wentz, Lincoln, Ne.

Vice President

Ross D. Montgomery, Palmetto, Fla.

Vice President

T. David Underwood, Oakville, Ontario, Canada

Executive Vice President

Jeff Littleton, Atlanta, Ga.

If this newsletter was passed on to you and you would like to be added to the mailing list, please email ashraeregina@gmail.com. Also, if there are any comments regarding this newsletter, please drop me an email.