



Pile of Bones

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President's Message

by Jason Danyliw

We have a great meeting lined up for this month, as we are excited to be having a joint meeting with CSC (Construction Specifications Canada). We have an ASHRAE Distinguished Lecturer presentation by Dennis Knight on Building Information Modeling. Following this, we have the privilege of having an ASHRAE Regional update presentation by Erich Binder (ASHRAE Region XI Director & Regional Chair) who will be joining us for this meeting from the Southern Alberta Chapter. We look forward to having all of our special CSC guests join us for the meeting, along with our valued presenters.

Kris Pockett has sent out the 2011/12 Regina Chapter membership invoices, so please let myself or Kris know if you haven't yet received your invoice. If you haven't done so already, we ask all members to please remit any unpaid or new dues promptly once received. Note that the payment should be sent to the Post Office Box number noted on the invoice.

Please feel free to contact [myself](#), or any of the Board members with questions, concerns or ideas for this upcoming ASHRAE year, as we want to make this the best year possible for our ASHRAE Regina Chapter. Along with that, I would again like to encourage anyone who is considering being part of the ASHRAE Regina Chapter Board of Governor's or volunteering for a sub-committee to please contact myself or any Chapter Board Members, as we will welcome any involvement.

Trevor Hobman is currently looking for volunteers for the Christmas Social and golf tournament planning, so please contact [Trevor](#) if you are interested in helping out with any of this planning.

See you all at the meeting next week!

Meeting Notice

Wednesday, October 12, 2011
Membership Night
Joint Meeting with CSC Regina

Hotel Saskatchewan - Radisson Plaza
2125 Victoria Ave. Regina, SK

5:15 pm - Cocktails

5:45 pm - Presentation by Mr. Knight

6:45 pm - Dinner Buffet

7:30 pm - ASHRAE Chapter Meeting

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WATCH YOUR EMAIL FOR
INFORMATION ABOUT THE
CHRISTMAS SOCIAL EVENT IN
THE COMING WEEKS!

2011/2012 MEETING & EVENT SCHEDULE

September 14, 2011

Speaker: Mr. Kevin Korecki;

Air to Air Recovery Technologies and Applications

October 12, 2011

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

November 9, 2011

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

December 2011: TBD

Christmas Social Event: TBA

January 10, 2012

Presidential Visit - Ron Jarnagin

January 21 - 25, 2012

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

February 15, 2012

Past President's Evening

March 14, 2012

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

April 2012

Student Night

May 9, 2012

Building Tour; Location TBD

June 2012: TBD

ASHRAE Research Golf Tournament



COMMITTEE CHAIR REPORTS

President Elect & Programs Chair

by Carla Spriggs

This month we are fortunate enough to have the CSC (Construction Specifications Canada) combining their meeting with ours for a joint meeting. Please welcome them. We will also be receiving a visit from Erich Binder our Director and Regional Chair.

This month we have the pleasure of hosting Distinguished Lecturer, Mr. Dennis Knight, who is Liollo Architecture's Principal and Director of Practice Management in Charleston, SC. He holds an assortment of professional registrations and accreditations. He is a LEED Accredited Professional, US Green Building Council affiliate, CSI Certified Construction Document Technologist and ACG Certified Commissioning Authority as well as being a Registered Professional Engineer in four States. He has been an ASHRAE member for 32 years and in that time he has served as chapter president twice. He is presently the Vice Chairman for Research Promotion for Society, the chair for technical committee 7.1 "Integrated Building Design" and serves on the ASHRAE BIM Steering Committee.

Mr. Knight will be presenting on "Building Information Modeling for the Mechanical Disciplines". This presentation focuses on the value and uses of BIM to Owners, Architects, Engineers, and the community. It provides a consistent definition of BIM and provides the Mechanical Engineer with the information needed to begin the process of adopting and using BIM as an integrated design tool to optimize mechanical system design, improve collaboration, minimize coordination errors and deliver better work products and results.

Next month we are pleased to have Distinguished Lecturer, Paul Pieper, who is the marketing manager for Venmar CES in Montreal. He will be giving his presentation on "Meeting and Exceeding High Performance Standards, Codes and Guidelines with Air-to Air Energy Recovery Systems and Equipment". This Presentation will include an overview of current and proposed standards and guidelines to identify areas where energy recovery is mandated and where energy recovery can be employed to meet and exceed performance requirements for efficiency, thermal comfort and ventilation air.

I am looking forward to seeing you all on October 12th for Dennis Knight's presentation. Please bring with you any non-members that you would feel would benefit from this information.

Membership Promotion

by Greg Fluter

The next chapter meeting will be one of our "Membership Nights". Please consider bringing a colleague with you to the meeting who you think may be interested in becoming a member.

Also, for those of you who are "Associate" Members please consider upgrading to "Full Member". It's just requires updating your bio online (www.ashrae.org) and to notify membership@ashrae.org that you have an updated bio and wish to be considered for grade advancement. I will be contacting some of our Associate Members to see if I can convince them to upgrade.

Please remember to renew your ASHRAE Society membership if it is due for renewal. For Chapter Dues, Kris Pockett has sent out the local Chapter dues invoices by email. We would appreciate prompt payment of those dues.

Please contact me (g.fluter@mac-eng.ca) if you require any assistance with your membership.

CTTC Chair

by Jerry Boulanger

ASHRAE has some updated publications available and schedules are out for this fall's online courses and the winter meeting.

Publications:

62.2 User's Manual - This manual provides explanations for every section of the standard and includes many clear, specific examples covering most sections.

ASHRAE GreenGuide - This manual provides help to HVAC&R system designers in designing a green building. It gives the need-to-know information on every aspect of the building process from planning to operation and maintenance of the facility, with emphasis on teamwork and close coordination among interested parties.

Advanced Energy Design Guide for Small to Medium Office Buildings - the first in a series designed to provide recommendations for achieving 50% energy savings over the minimum code requirements of ANSI/ASHRAE/IESNA Standard 90.1-2004.

You can get more details and purchase the above online at www.ashrae.org/bookstore.

Training and Workshops:

Check out the agenda for Fall Online Courses at www.ashrae.org/onlinecourses. Courses typically run about 3 hours and you can register up to 24 hours prior to the start time. You can also check out the courses and seminars that will be available at the winter meeting in Chicago this coming January at www.ashrae.org/chicagocourses. ASHRAE has a lot to offer its members in these areas – take advantage of it.

Past President & Research Promotion Chair

by Heric Holmes

Hello Everyone,

I would like to thank the donors from last year for helping to set a new high for research donations of \$15,361. Because of Greg's great work we now have a target goal of \$12,000. I will be in contact with most of you over the next year about donating again. We are nearing our goal of full circle on the executive board (all board members donate \$100). Below is a list of all the corporate and personal sponsors from last year - a huge THANK YOU!

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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 Introduces New Liquid Cooled Datacom Environmental Classes

ATLANTA - A new whitepaper that serves as the first vendor neutral thermal guideline for liquid cooled data processing environments is available for free download from ASHRAE.

"2011 Thermal Guidelines for Liquid Cooled Data Processing Environments" creates data center classes for liquid cooling that can enable fulltime economizers for a number of applications in many climates, according to Don Beaty, chair of the Publications Subcommittee of ASHRAE's Technical Committee (TC) 9.9, Mission Critical Facilities, Technology Spaces and Electronic Equipment.

"2011 Thermal Guidelines for Liquid Cooled Data Processing Environments" can be downloaded for free from the ASHRAE TC9.9 website at www.tc99.ashraetcs.org.

The increasing heat density of modern electronics is stretching the ability of air to adequately cool the electronic components within servers as well as the data center facilities that house these servers. To meet this challenge, the use of direct water or refrigerant cooling at the rack or board level is now being deployed. This trend of increasing heat densities combined with the interest in energy and waste heat recovery created the need for liquid cooling guidelines to help bridge the gap between IT equipment design and data center facility design, according to Beaty.

Five liquid cooling classes have been created:

- * W1 - Facility Water Supply Temperature of 2 to 17 C
- * W2 - Facility Water Supply Temperature of 2 to 27 C
- * W3 - Facility Water Supply Temperature of 2 to 32 C
- * W4 - Facility Water Supply Temperature of 2 to 45 C
- * W5 - Facility Water Supply Temperature of > 45 C

In addition to the classes, the whitepaper provides insight into other considerations for liquid cooling including condensation, operation, water flow rates, pressure, velocity and quality as well as information on interface connections and infrastructure heat rejection devices.

This whitepaper follows an earlier whitepaper released in May 2011, "2011 Thermal Guidelines for Data Processing Environments - Expanded Data Center Classes and Usage Guidance," which addresses air cooling in data centers and created new data center environmental classes which expanded the opportunity for chiller-less data centers (fulltime economizers).

THE 2011-2012 ASHRAE REGINA BOARD OF GOVERNORS

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