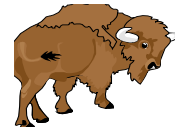




BUFFALO TALES

Newsletter of the Manitoba Chapter

The Manitoba Chapter of the American Society of Heating, Refrigerating and Air Conditioning Engineers was chartered in September 1935. It is the second oldest ASHRAE Chapter in Canada. ASHRAE Manitoba is part of ASHRAE Region XI and covers ASHRAE members in Manitoba and Northwest Ontario.



March 13, 2008
Seminar and Dinner Meeting
With
Julian R. de Bullet
ASHRAE Distinguished Lecturer

Victoria Inn
1808 Wellington Avenue

2:30 to 4:30 PM - Green "Sustainable" HVAC Design Seminar

This presentation will explore the different choices that must be made to ensure an efficient design. Different systems, including LEED and Green Globes will be compared to see how a design can comply with Green design concepts. For details, costs or to register, please see attachments to this newsletter.

5:00 pm - Social Hour

6:00 pm – Dinner followed by - Responsible Use of Refrigerants

The dinner presentation will discuss the practical application of Standards 15, 147 and 34, including how to retrofit existing Mechanical Rooms to meet the Standards. Emphasis is placed on the safety of the persons and property on or near the premises.

The presenter will also discuss the practices and procedures that will reduce emissions into the atmosphere of halogenated refrigerants used in refrigeration and air-conditioning.



Ever wonder why you hear so many different dates on the phase out of refrigerants? Want to know which refrigerant is being phased out when and what will replace it? This lecture will describe the current status of refrigerants and provide our best guess on where things are going in the future.

Julian R. de Bullet, McQuay International has over 30 years experience in the HVAC industry. His career has concentrated on the applied use of Chilled Water and All-Air systems as a manager of applied equipment sales and as a manager of a service/performance contracting operation.

He is the Director of Industry Relations for McQuay International, based in Washington D.C. He is responsible for assisting McQuay customers and McQuay sales representatives in HVAC&R

system design and specification. He is a member of numerous industry associations concentrating on energy efficiency and responsible refrigerant use.

As ASHRAE Vice President (2001/2003), he served on the Board of Directors and the Executive Committee and was Chair of Member Council and Publishing Council. He is Past President of the National Capital Chapter and was Director and Regional Chair for ASHRAE Region III. He is an ASHRAE Distinguished Lecturer. He chaired the Professional Development Committee and is a member of the Programs and Education Council and the Society Advocacy Committee.

Julian is a Graduate of the London University system in England, where he obtained an Electrical Engineering degree and a Diploma in Marketing.

President's Message – David Stones, P. Eng.

Please join us for one, or both, of the presentations by Julian de Bullet on March 13. He is an excellent speaker and will surely present some very worthwhile information. Our Chapter Program Chair, Johann Baetsen, with the assistance of others, has worked very hard this year to bring meaningful content for the Chapter's role in technology transfer. This role of the Chapter will continue with our April dinner meeting on April 10 and with ASHRAE Manitoba's involvement with the Better Buildings 2008 Looking Forward conference and exhibition on April 15 and 16 at the Winnipeg Convention Centre.

We will shortly announce the slate of Chapter Officers and Committee Chairs. If you are interested in becoming involved directly with Chapter Operations, please contact me at dstones@shaw.ca . We will also soon announce the venue for our annual wind-up event.



In case you are puzzled by the photograph with this message, it was taken by Bert during one of the extracurricular activities at the Chapters Regional Conference hosted by my Alaska Chapter last May. Best regards.

Peer Review of IAQ Guide

ASHRAE, in collaboration with AIA, BOMA, SMACNA, USGBC, and the U.S. EPA is developing an Indoor Air Quality (IAQ) Guide for commercial and institutional buildings. ASHRAE is soliciting peer review remarks on a 60% draft from these partner organizations, various ASHRAE Committees, and other interested individuals. The current review is open from February 19 through March 7. The document can be accessed, along with the review form, at: www.ashrae.org/technology/page/678

If you have time, please take a look at the draft and provide your feedback. Your input is important and will be greatly appreciated.

Coming Events

March 11-14 - Canadian GeoExchange Coalition's (CGC) Commercial Designer Course at the Victoria Inn in Winnipeg which will be followed on March 15 by the Manitoba Geothermal Energy Conference. For details, go to www.mgea.ca or contact Inez Miller at (204) 470-6647 or inez@mgea.ca

March 25 - "Life on MASDAR: Challenges of building the Sustainable City". On February 9, in Abu Dhabi, the Masdar Initiative broke ground on Masdar City, the world's first zero-carbon, zero-waste, car-free city, powered entirely by renewable energy. Mark Crisp who is currently leading the Sustainability Programme for the Masdar Development Project, will speak about the project at Caboto Centre, 1055 Wilkes Avenue, 2:00 – 3:00 Speaker, 3:00– 4:30 Networking Wine&Cheese.

Cost: Members \$40.00, Non-Members \$ 60.00, Students \$30.00. Registration at IFMA Manitoba, 162-2025 Corydon Ave, Suite #81, phone 226-3900. Advance registration and payment required.

March 26th-27th - "*See the light.....*and learn to think outside traditional boundaries of building systems design". A comprehensive educational event that provides practical and technical information that participants can take back to their offices and apply to their projects. OFFERED BY: Puget Sound Chapters of ASHRAE and IEEE at Seattle University, Pigott Hall.

April 2 and 3 - eQUEST - Energy Simulation Tool Training. Evaluate today's building technologies ... at the speed of today's design process... Day 1 is introduction, day 2 is intermediate training for engineers, architects and other design professionals. Marriott Milwaukee West, Waukesha, Wisconsin. \$269/day includes continental breakfast, refreshments, lunch and program materials. Attend both eQUEST trainings for the discounted rate of \$429!. For more details, go to <http://www.ecw.org/equest>

April 15 and 16 – Better Buildings Conference and Exhibition at the Victoria Inn in Winnipeg. Learn the newest and most up to date information on: Sustainable/Green Buildings with a focus on Manitoba; how to incorporate innovative design, technology, and operational best practices in your building project; life cycle costing; and more. Keynote speakers are Justin Trudeau and Mike Harcourt. For details and to register, go to <http://www.bemm.ca/betterbuildings/default.aspx>

April 16 – Noon - 3:00 P.M. – **Free** ASHRAE Satellite broadcast and webcast – "Integrated Building Design: Bringing the Pieces Together to Unleash the Power of Teamwork". For more information, visit www.ashrae.org/IBDbroadcast

2008 CRC will be May 7-10, 2008 at the Fantasyland Hotel in the West Edmonton Mall. Golf on May 7th; Technical Seminars on the morning of May 8th, in conjunction with our chapter's bi-annual Tradeshow followed by an orientation session, the first Caucus and Welcome Party; May 9th is meetings, workshops, the President's Luncheon and Dinner Banquet; May 10th is more meetings and workshops, the Awards Luncheon and a Wrap-Up Party. Companion tours include a

guided shopping tour of some of Edmonton's most unique and obscure shops, and tours of the local attractions. Registration and accommodation details will be presented as they become available.

Presidential Award of Excellence (PAOE) - Dieter Bartel, Honors and Awards Committee

It's time for the Chapter Committee Chairs to review or reflect on what PAOE point qualifying activities our members have been doing this year. Please submit any items to me so that I may update our PAOE data on the ASHRAE Society web site. Committee chairs may review the criteria particular to their discipline on the PAOE Web Page and let me know of activities which may fit the points structure. After logging on to the Members Site at ASHRAE, go to:

<http://www.ashrae.org/members/page/772>

I'd like all members to ask themselves if this ASHRAE year they have:

- spoken to a school on anything resembling HVAC&R sciences, made a presentation to any groups on HVAC&R topics
- served as a member of a Building Code or Standard Committee, locally or internationally
- made any type of contribution to the province in any capacity related to the arts and sciences of HVAC&R

If so, please email details to me at dbartel@hydro.mb.ca or call 477-7717. Let's show Region XI what we've been up to!

ASHRAE's Advanced Energy Design Guide are **Free**

As part of its effort to provide its members and the building community with the tools to achieve energy efficiency in buildings, ASHRAE has made its Advanced Energy Design Guide series of publications available as free electronic download products. The current guides, now with three publications, have provided 30 percent energy reduction guidance for the following types of buildings:

- Small retail buildings
- Small office buildings
- K-12 school buildings

Simply click on this link (www.ashrae.org/freeaedg) to go to the download page. If you would like something for your bookshelf, full color print copies may still be purchased from the ASHRAE bookstore accessible through the same link.

ASHRAE is also working on a new Advanced Energy Guide for Existing Buildings that will help building owners and managers achieve at least 30 percent energy savings in existing buildings. The next step is to progress to the 50 percent energy reduction guides starting later this year. After that, net-zero energy building guidance.

ASHRAE Research Promotion Campaign – Stirling Walkes, Chapter RP Chair

During the February 7 dinner meeting, Mr. Steve Jaczun of Baltimore Aircoils generously donated an iPod Shuffle to the chapter. The iPod was raffled off during the meeting, raising \$220 for ASHRAE Research. George Kurowski was the winner of the raffle.

2007-2008 Research Promotion Contributors

HydronAire \$500

Honour Roll (at least \$100 personal or \$150 corporate)

Stirling Walkes*	Dieter Bartel*	Russell Lavitt*	Bert Phillips*
Robert McDowall*	Robert Bisson*	George Marchildon*	Sergio Almeida*
John Brighty*	Daryl Friesen*	David Stones*	Axiom Industries*

I would like to thank all those that have supported the Manitoba Chapter Research promotion campaign to date. The contributions from the board have allowed the Chapter to reach the Full Circle level.

Creating or Updating your ASHRAE Bio

Your ASHRAE Bio includes information on your education, career experience, publications, and ASHRAE positions. This is used to nominate you for honors, awards and ASHRAE positions.

Go to www.ASHRAE.org and click on “update your bio” located on the left side under the “Member Central” section to create or edit your bio. Some information is not editable by the member. In that case, contact Vickie Grant at vgrant@ashrae.org to have that information edited. Since the new ASHRAE website was launched, the bio information has been updated and you should check to make sure your information was correctly transferred to the new software system.

ASHRAE Manitoba Chapter Officers

President	David Stones	Wardrop Engineering	272-1331	dstones@shaw.ca
President-Elect	Sergio Almeida	The Trane Company	632-1543	salmeida@trane.com
Vice-President				
Secretary	Daryl Friesen	Midwest Engineering	989-3636	daryl@midwesteng.com
Governor	Dieter Bartel	Manitoba Hydro	477-7717	dbartel@hydro.mb.ca
Governor	Derek Bishop	Siemens Building Tech.	774.3411	derek.bishop@sbt.siemens.com
Governor	Robert Bisson	Public School Finance Board	945-8452	rbisson@gov.mb.ca
Governor	Corey Nation	E.H. Price Ltd.	982-2222	CNation@price-hvac.com

Committee Chairs

Treasurer	George Marchildon	PSFB	945-0207	gmarchildo@gov.mb.ca
Programs	Johann Baetsen	E.H. Price Ltd.	661-7829	johannb@price-hvac.com
Membership	Jesse Sandhu	SMS Engineering	775-0291	jsandhu@smseng.com
Student Activities	Peter Gryc	SMS Engineering	775-0291	pgryc@smseng.com
Chapter History	Robert McDowall		284-6678	robertmcdowall@mts.net
CTT	Russell Lavitt	SMS Engineering	775-0291	rlavitt@smseng.com
Research & Promo	Stirling Walkes	SMS Engineering	775-0291	swalkes@smseng.com
Honours & Awards	Dieter Bartel	Manitoba Hydro	477-7717	dbartel@hydro.mb.ca
Refrigeration	Asitha Gajaweera	Smith Carter	477-1260	asithagajaweera@hotmail.com

Other

Roster				
Homepage Editor	Russell Lavitt	SMS Engineering	775-0291	rlavitt@smseng.com
Accommodations	David McNeil	Emco Ltd.	925-9630	DMcNeil@emcoltd.com
Special Events	Tom Beggs	Tom Beggs Agencies	953-1900	tombeggs@mts.net
Newsletter Editor	Bert Phillips	UNIES Ltd.	633-6363	phillips@unies.mb.ca

ASHRAE Region XI Officers

Director & Regional Chair	Traci Hanegan	Coffman Engineers, Spokane		hanegan@coffman.com
Assistant Regional Chair	Bill Dean	NRC, Saskatoon		Bill.Dean@nrc.ca
Technology Transfer	Bert Phillips	UNIES Ltd.		phillips@unies.mb.ca
Membership Promotion	Russell Lavitt	SMS Engineering		rlavitt@smseng.com
Student Activities	Bruce Dobbs	NW Natural Gas, Portland		bruce.dobbs@nwnatural.com
Resource Promotion	Norm Grusnick	ECCO		normang@shaw.ca
Nominating Committee	Dale Carter	Dec Design, New Westminster		Dale@decdesign.ca
Nominating Committee	Doug Dunford	Portland		Dwdunford@aol.com
Regional Historian	Ivan Hall	ESC Automation, Edmonton		ihall@escautomation.com
Treasurer	Rob Craddock	Inland Metal Manufacturing, Regina		rob@inlandmetal.ca
Web Page Editor	Joseph Korus	Coffman Engineers		korus@coffman.com
CRC Chair, 2008	Shanon Warner	Cohos-Evamy, Edmonton		WarnerS@cohos-evamy.com

ASHRAE, founded in 1894, is an international organization of 55,000 persons. Its sole objective is to advance through research, standards writing, publishing and continuing education the arts and sciences of heating, ventilation, air conditioning and refrigeration to serve the evolving needs of the public.

Statements in this publication are not expressions of the Society or of the Chapter. Articles may be reproduced without permission. Please credit the source.

Visit ASHRAE Manitoba at www.ashraemanitoba.ca.

Visit ASHRAE at www.ashrae.org.