		Dinner Meeting and Tour Wednesday, Sept 14, 2005	
		Topic:	Meeting #1 Tour of the UBC Life Sciences Building
Place:	Dinner: UBC Graduate Student Centre, 225-6371 Crescent Road, Vancouver, BC Tour: UBC Life Sciences Building, 2350 Health Sciences Mall, Vancouver, BC		
Time:	5:00 PM: Social Hour 6:00 PM: Dinner followed by tour There will not be a workshop at this month's meeting.		
Cost:	Chapter Members - \$30 Society Members & Guests of Members - \$33 Students - \$10		
Visit the ASHRAE BC HOME PAGE www.ashrae.bc.ca		All reservations should be made by noon on Monday, September 12 th , 2005 Please fax, phone, or e-mail your reservations to Victor Raju, Attendance Chairman Fax: 604-525-3147 Tel: 604-525-3341 vraju@decdesign.ca	

PRESIDENT'S MESSAGE

Bob MacKie

Standards President's Message for September

September is upon us and ASHRAE starts anew for another year. The ASHRAE year really started with the Chapter Regional Congress last May. The ASHRAE officers that attended the CRC started planning in the summer so as to be ready for the first meeting in September, which this year will be Wednesday Sept 14 at UBC.

My theme for this year is "**Get Involved**". I am going to introduce you to all the Officers and Committee Chairs in more detail in the coming months in my Totem messages, but for now I will give you an overview of who does what and how things work, in the hope that you will call or email one of the Officers or Committee Chairs and "**Get Involved**". There are lots of jobs to do. Some involve a small amount of time over the whole year such as helping with meeting registration or keeping our membership lists up to date and some involve intensive effort for a short period of time like helping with the Trade Show or organizing a technical seminar or presentation. I would like to see more people involved in ASHRAE. I encourage you to speak to me or to any of the people below. If you have no idea as to what you would like to do, great! If you want to do something in particular, that's also great.

Overall the system has evolved so that the tradition is if you would like my job as President some day, you start as Secretary. The secretary this year is Charlotte Ross of Olympic. She was Membership Chair last year and has been doing an excellent job of combining our membership databases. Combining the databases with some new software we have acquired via ASHRAE will cut down on the time consuming administrative hassle of maintaining a database for the Totem and email communication, as well as one for membership and the roster, that has to be kept in synch with the main database at ASHRAE HQ that keeps track of your dues, awards and other information. Charlotte is now in charge of Membership, recording Board of Governor meeting minutes and membership communication such as the web site. She needs lots of help. You can contact her at charlotte.ross@olympicinternational.com or BCChapterSecretary@Mail.ASHRAE.org or (604) 986-1400 (114). Next year Charlotte will become Treasurer.

This year your Treasurer is Chris Collett. Chris is in charge of the money and he is also the interim Chair of the Technology Transfer Committee, which is in charge of Technology Awards and Technical Seminars. He is now looking for someone that would take over or help with that job. Chris has done an excellent job with the Technology Transfer Committee, but he needs help now and eventually will turn it over to someone else because next year he will be Vice-President in charge of programs. You can contact Chris at chris@collett.net or BCChapterTreasurer@Mail.ASHRAE.org or (604) 535-4215.

This year's VP Programs is Wayne Borrowman. He is just now finalizing our 8 meetings for 2005-2006. Wayne also has two hats and is the Refrigeration Chair. He too is always interested in hearing from members that want to get involved. You can contact Wayne at wborrowman@toromont.com or BCChapterPrograms@Mail.ASHRAE.org or (604) 525-8899. Next year Wayne will likely be President-Elect.

This year Ed Chessor is President-Elect. He is ready to take over from me if I can't Chair a Board meeting or make a regular membership meeting or if I get run over by a bus. Ed can be reached at echessor@interchange.ubc.ca or BCChapterPresElect@Mail.ASHRAE.org or (604) 822-9707.

I am President this year and can be contacted at Bob.MacKie@ca.Belimo.com or BCChapterPresident@mail.ashrae.org or 604-787-3024.

The reason for all the BCChapterxxtitle@mail.ashrae.org emails is that hopefully we will pass them on year after year as we take on new responsibilities within ASHRAE BC Chapter and you can always be sure of getting the person in charge of programs or the treasurer with one consistent email address.

The Governors this year are Eric Bradley, Ivan Holdo and Charlie Sabeau. The governors attend the Board of Governor's meetings monthly, assist and at the same time act as advisors to the Officers.

Other committee Chairs and VAP's (Very Approachable People) are Rob Flipse for Awards, Norm Grusnick for the Golf Tournament, Keith Jordan for the Totem, Omid Manouchehri for Student Affairs, Steve Montagano for Membership, Jaime Miguel for Refrigeration, Gary Way is Historian, Victor Raju is Meeting Attendance and Peter Horwood is Past President. All of their email contacts are at our web site <http://www.ashrae.bc.ca/bc/bc.htm> .

I want to finish by announcing that your BC Chapter is planning to once again hold a Trade Show. The tentative date is Wednesday May 17, 2006. The Trade Show is a big project and takes lots of work. However, it is an important service that ASHRAE can bring to the HVAC community. It must be supported and promoted by all of us to be successful and it can be profitable for the chapter if it is run properly. We are fortunate that Tim Hutchison who has run many of our Trade Shows over the years has agreed once again to Chair the Committee.

Bob MacKie

MEMBERSHIP MATTERS
Steve Montagano
Chapter Membership Chairman



Bill Dean (ASHRAE Regional Chair) presenting the Dick Perry Award for the **TOP PERFORMING CHAPTER** in the Region for 2004-2005 to Bob MacKie representing the BC Chapter at the Chapter Regional Conference in May 2005



Dick Perry (left) and Peter Horwood with the Dick Perry Award Plaque for top chapter in ASHRAE Region XI.

“All really first class designers are both artists, engineers, and men of a powerful and intolerant temper, quick to resist the least modification of the plans, energetic in fighting the least infringement upon what they regard as their own sphere of action.” - Nevil Shute

“There's a better way to do it. Find it.” - Thomas Edison

“You can only put as much intelligence in a system as was in the design engineer to begin with.” - Peter Orme

“Quality isn't something you lay on top of subjects and objects like tinsel on a Christmas tree.” - Robert Pirsig

“A creative man is motivated by the desire to achieve, not by the desire to beat others.” - Ayn Rand



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Petroleum Resources



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designing for high efficiency boilers

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Everything you wanted to know about High Efficiency Boilers

In this workshop you will learn:

- How to design more effective heating systems
- How to choose the right boiler for the job
- How to install and commission high efficiency boilers
- How to retrofit with high efficiency boilers
- How to benefit from the Terasen Gas Efficient Boiler Program
- How to reduce operating costs and improve tenant satisfaction

This workshop is for developers, architects, mechanical consultants, mechanical contractors, property managers, building owners, service contractors, and facilities maintenance personnel.

Workshop Facilitator - Godfrey Nash has been working in the hydronic heating industry for sixteen years and has developed an expertise in the design and application of boiler systems. He is a Registered Professional Engineer and Past-President of the B.C Chapter of A.S.H.R.A.E.

Prince George

Tuesday, October 04, 2005
Coast Inn of the North
770 Brunswick Street

Kamloops

Wednesday, October 19, 2005
Coast Canadian Hotel
339 St. Paul Street

Kelowna

Thursday, November 3, 2005
Coast Capri Hotel
1171 Harvey Avenue

Cranbrook

Wednesday, October 12, 2005
Prestige Inn
209 Van Horne Street South

Surrey

Wednesday, October 26, 2005
Sheraton Guildford
15269 104th Avenue

Vancouver

Wednesday, November 9, 2005
Coast Plaza Hotel
1763 Comox Street

Each workshop is from 9:00 a.m to 5:00 p.m.
Come and enjoy refreshments, a buffet lunch and prizes – all on us.
All attendees will receive a free workshop Manual.

Pre-registration is required:

E-mail:
workshopregistration@shaw.ca
For enquiries:
telephone 604-240-4700 or
gnash@shaw.ca

Cost: **FREE** – Courtesy of:

Terasen Gas Inc,
British Columbia Ministry of Energy, Mines and
Petroleum Resources and
Natural Resources Canada



New Westminster Engineer Receives ASHRAE Service Award

DENVER- Dale E. Carter received a Distinguished Service Award from the American Society of Heating, Refrigerating and Air- Conditioning Engineers (ASHRAE) at its 2005 Annual Meeting held here June 25-29.

The Distinguished Service Award salutes members of any grade for giving freely of their time and talent on behalf of the Society. The honor recognizes participation in chapter, regional and Society activities.

Carter is president, DEC Design Mechanical Consultants, New Westminister, British Columbia.

He served on the Board of Directors as director-at-large from 1997-2000. Other service includes chair of the Membership Promotion Committee, vice chair of Education Council and of Publishing Council, and a member of Member Council, the Meetings Arrangements Committee, a presidential ad hoc committee for a member survey, and as Region XI regional vice chair for membership promotion.



The Official Canadian Temperature Conversion Chart:

50 degrees F (10 degrees C)
Californians shiver uncontrollably;
Canadians plant gardens.

35 degrees F (1.6 C)
Italian cars won't start;
Canadians drive with the windows down

32 degrees F (0 degrees)
American water freezes;
Canadians water gets thicker

0 degrees F (-17.9 degrees C)
New York City landlords finally turn on the heat;
Canadians have the last cookout of the season

-60 degrees F (-51 degrees C)
Mt. St. Helens freezes;
Canadian Girl Guides sell cookies door to door.

-100 degrees F (-73 degrees C)
Santa Claus abandons the North Pole;
Canadians pull down their ear flaps.

-173 degrees F (-114 degrees C)
Ethyl Alcohol freezes;
Canadians get frustrated when they can't thaw the keg.

-460 degrees F (-273 degrees C)
Absolute zero; all atomic motion stops;
Canadians start saying "cold, eh?"

-500 degrees F (-295 degrees C)
Hell freezes over;
The Toronto Maple Leafs win the Stanley Cup.

courtesy of ASHRAE Member Bob Rea



ASHRAE - B.C. CHAPTER

September Tour of the UBC Life Sciences Centre



The Life Sciences Centre at 52,000m² is the largest building at UBC and is a part of an ambitious plan to double the number of medical doctors trained in the province. This building is home to a myriad of activities including lecture theatres, classrooms, research labs, a world-class gross anatomy lab, a morgue, offices, administration, food services, etc. Energy efficiency was a key factor in the building design, and many leading-edge concepts & technologies have been incorporated into the mechanical systems. This has resulted in an ASHRAE Technology award, and it's expected that the building will attain Leed Gold certification. Estimated energy savings is \$1million in utilities over 5 years.

Pay parking is available adjacent to the Grad center in an open parking lot and a parking garage to the east. Note that the dinner is slightly earlier than normal so we will have more time for the tour!

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Fax: 604.736.6726

Email: roverland@jmbean.com



ASHRAE BC is looking for a person to take over the Technology Transfer Chair from Chris Collett who is now Chapter Treasurer.

Chris did an excellent job this past year and he will instruct the person taking over. The main job is to promote and solicit applications for the ASHRAE Technology Awards. The Technology Transfer Chair also assists the VP Programs to organize Technical Seminars before the dinner meetings.

BC Chapter has planned a Trade Show for May 2006 which will have a "Green" Theme and USGBC (LEED) will be involved. We would like the Technology Transfer Chair to assist Tim Hutchison, the Trade Show Chair, with the Technical Seminars which will run in conjunction with the Trade Show.

I am hoping that we will have a few people that want to make a difference and will get back to me or Chris. Many hands make light work and there is room for you if you want to lead or help out on the committee. We are very interested in having younger people or those new to the industry be involved with ASHRAE. You don't even have to be a member right now. If you are interested in getting involved and would like to see what ASHRAE is all about give us a call or check the website www.ASHRAE.org . Please forward this email to anyone within your firm that might be interested or post it on the bulletin board. Thanks.

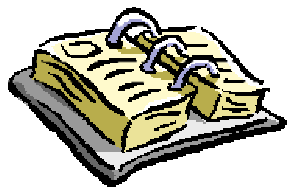
You can call me 250-537-2331, email bob.mackie@belimo.com or use my ASHRAE email alias below. You can call Chris at (604) 535-4215 or email him at chris@collett.net.

We will both be at the ASHRAE meeting next week at UBC. We will be presenting a plaque for the ASHRAE Region 11 and BC Chapter Technology award to MCW Consultants Ltd. for their work on the Life Sciences Building which we will be touring. See the web site for meeting details <http://www.ashrae.bc.ca/bc/bc.htm>

Thank you,

Respectfully,

Bob MacKie
BC Chapter President



ASHRAE-B.C. Chapter and Industry Events - 2005/2006

Dates and events are subject to change and will be updated as required.

Generally, chapter meetings are the second Wednesday - after the first Monday of the month - at the Italian Cultural Centre at 5:30 pm. Exceptions are there are no meetings in the summer June through August, and no meeting in December

Date	Event / Topic
September 14, 2005	Tour of UBC Life Sciences Building, Dinner at UBC Graduate Student Centre
October 12, 2005	Oct 12 - RVC visit: Speaker on Pump Load Matching
November 16, 2005	Speaker on Energy Savings by Integrating a Total Filtration Strategy into Building HVAC
December 2005	No Meeting
January 11, 2006	Student Night: ASHRAE Energy Design Guide for Small Buildings, ASHRAE Society Vice President Ron Jarnigan
February 15, 2006	Past Presidents Night: Speaker on 2010 Olympics
March 15, 2006	UBC/BCIT Student Project Presentations
April 12, 2006	Tradeshaw dinner meeting: Commissioning Green Buildings for USGBC LEED Program, ASHRAE Distinguished Lecturer Ronald Wilkinson
May 15, 2006	Refrigeration Night: Tour of Zero loc Insulated Panel Manufacturing Plant
June 08, 2006	No Meeting
June 2006	No Meeting
July 2006	No Meeting

Advertising on the ASHRAE-BC Website

The "Manual for Chapter Operations" allows our chapter to accept "business card" type advertising on the Website. We can include links to company web sites and charge fees for those links. Some conditions apply.

"Putting off an easy thing makes it hard. Putting off a hard thing makes it impossible."

Charles Wilson