



American Society of Heating, Refrigerating and Air Conditioning Engineers, Inc.
 British Columbia Chapter Region XI

President's Message

Wow!

It is hard to believe that my year as ASHRAE BC Chapter President is drawing to a close. The new Board Of Governors for 2009-2010 has been confirmed, and will be sworn in at the May dinner meeting, and will officially take office on July 1st.

However, this does not mean that as Past President I am "put out to pasture"! In our Chapter, the Past President takes on the role of Research Promotion Chair, so you will see me at meetings selling research draw tickets; and hear from me as I work to raise funds for ASHRAE Research. I will also be looking for donations for our research prize draws: Canucks Tickets and iPods are always a big hit! Thanks to the companies who have donated prizes for this years meetings including Cimco Refrigeration, Engineered Air, Preston Phipps, Lathams; and Ecco Manufacturing.

While the ASHRAE year may be drawing to a close, we end with a flourish of activity. Our incoming President (Charlie Sabean) and President Elect (Les Pereira) head to Spokane on May 7th to 9th as Delegate and Alternate at the Region XI Chapter Regional Conference (CRC).

BOG Members Roberto Costa, Mihaela Spulber, and Joe Cheung will also be heading to Spokane to attend workshops at the CRC.

Our final dinner meeting of the year is on May 13th, when Michael Thomas from Climate Master will speak about Water Source Heat Pumps: Smart Solutions for Energy Efficiency. The May event will also be a joint meeting with the American Society of Plumbing Engineers (ASPE).

Our grand finale of the ASHRAE year will be the ASHRAE Golf Tournament, which will be at Westwood Plateau on May 20th, which is always a highlight. Don't forget to bring lots of golf balls, it's a challenging course!

On a personal note, I would like to express my gratitude to our Chapter Board of Governors and Committee Chairs, who have formed an outstanding team and have worked hard to make this a very successful year for our Chapter. Our meetings have flourished, with an average attendance of over 90 people per meeting; chapter membership has increased; we have an active student branch at BCIT; and a new student chapter has been formed at UBC. Our website and e-mail distribution list have been updated, and a roster has been published. Thank you to our great team for a job well done!

Chris Collett
 ASHRAE BC Chapter President 2008-2009



May 2009

May Meeting Notice

Location:

Italian Cultural Centre

Guest Speaker:

Michael Thomas
 Climate Master

Topic

Water Source Heat Pumps:
 Smart Solutions for Energy
 Efficiency

Date

May 13th, 2009

Time:

Registration 5:30 PM
 Dinner 6:30 PM
 Speaker 7:15 PM

Cost

BC Chapter Member \$40
 Society Member \$45
 Non-Member (Guests) \$45
 Student Members \$10

Reservations are a must

Email:

jmigu@toromont.com

Fax: 604-525-1964

Ph: 604-525-8899



Up Coming Events

May 13th, 2009

Water Source Heat Pumps: Smart Solutions for Energy Efficiency

Michael Thomas, Climate Master

Registration & Social Hour: 5:30 pm

Dinner at 6:30 pm

Meeting will be held at the
Italian Cultural Centre

2008—2009 ASHRAE BC Chapter Meetings Schedule

| | |
|---------------------------|--|
| September 10, 2008 | Green Roof—Membership Night (Speaker: Maureen Connolly, BCIT) Tour of the BCIT Centre after Dinner @ Italian Cultural Centre |
| October 8, 2008 | Variable Refrigerant Flow—Refrigeration Night (Speaker: Julian de Bulett, McQuay International ASHRAE Distinguished Lecturer) Italian Cultural Centre |
| November 12, 2008 | The Road to Carbon Neutrality – Membership Promotion Night Italian Cultural Centre (Speaker: Jennifer Sanguinetti, Stantec) |
| January 14, 2009 | Air Filtration in HVAC & MERV Ratings—Past Presidents Lunch Vancouver Robson Square—Lunch Meeting (Speaker: Graham Crompton) |
| February 11, 2009 | Tour of the Olympic Speed Skating Oval—Refrigeration Night Marriott Airport Hotel, Richmond |
| March 11, 2009 | Beyond Green: New Context, New Expectations Italian Cultural Centre (Speaker: Ray Cole, UBC) Research Promotion Night |
| April 15, 2009 | BCIT Student Presentations – Student Night Moderator: Joe Cheung, BCIT Italian Cultural Centre |
| May 13, 2009 | Water Source Heat Pump Technology— CRC Chapter Award Night Swearing in of New Chapter Board of Governors Italian Cultural Centre (Speaker: Michael Thomas, Climate Master) |
| May 20, 2009 | Golf Tournament—Westwood Plateau |



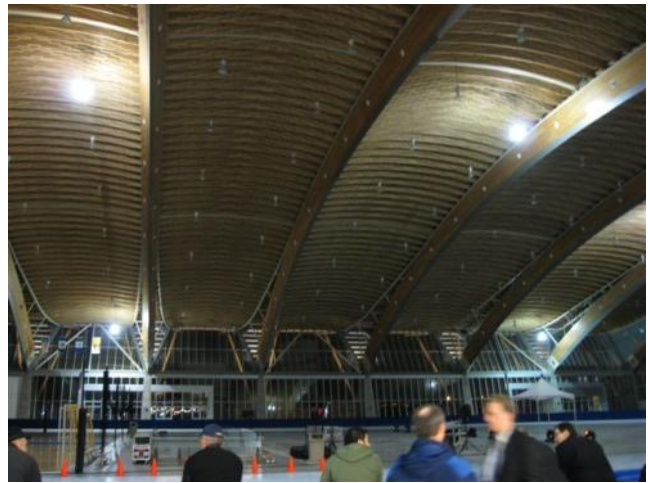
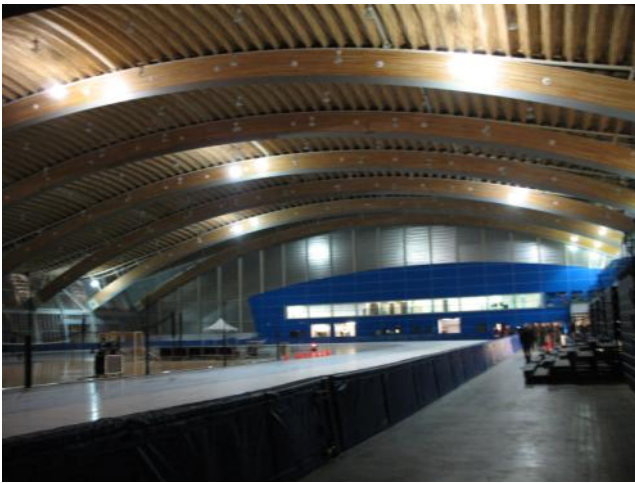
FEBRUARY MEETING REPORT

A record breaking attendance of 156 Chapter Members and Guests attended the February Tour of the Richmond Olympic Oval. The group enjoyed a buffet dinner at the Marriott Hotel before moving on to the venue for the Long Track speed skating at the 2010 Winter Olympics.

We were very lucky to have many of the architects, engineers and contractors who worked on the Oval Project in attendance, who gave us many insights into the challenges of the design and construction process.

The end result is truly remarkable facility that our industry can be proud of.

Our thanks to the City of Richmond for permitting us to tour the facility, and special thanks to Jaime Miguel and Wayne Borrowman from Cimco, who made the tour happen.



As the people who attended will agree, these pictures don't do the oval justice!



MANY ASHRAE B.C. CHAPTER MEMBERS ARE WORKING ON COMMITTEES AT THE SOCIETY LEVEL

We have many BC Chapter members who are contributing to Technical Committees and the Standard Development Process at the ASHRAE Society Level. Their contributions often go unnoticed, so this is an opportunity to thank them for their commitment to ASHRAE.

Our B.C. Chapter Members include:

**ALEX BOOME
WAYNE BORROWMAN
RON BRAUN
DALE CARTER
ED CHESSOR
HUA GE
DON GIBBS
NORM GRUSNICK
MARK LAWTON
JOHN LOVALL
CARL NEILSON
BRIAN O'DONNELL
GARRY PEAKMAN
ELIA STERLING
RON STRONG
JOHN TOPLISS**

**WHEN IT COMES TIME TO RENEW YOUR
ASHRAE MEMBERSHIP, DON'T FORGET TO INCLUDE
YOUR CHAPTER DUES.**

**YOU GET LOTS OF BENEFITS SUCH AS LOWER COSTS
FOR DINNERS, THE CHAPTER ROSTER,
NAME TAGS AND MORE!**

MARCH MEETING REPORT



Dr. Ray Cole, Professor and Director of the School of Architecture and Landscape Architecture at the University of British Columbia enthralled the more than 90 attendees at the March meeting with his passionate presentation of Beyond Green: New Context, New Expectations. Dr. Cole called for a paradigm shift away from thinking about buildings in isolation, and challenged us to start thinking of sustainability and design on a community scale.

**The ASHRAE BC Chapter Southern Interior Section
is hosting a trade show in Kamloops on September 30th, 2009**

The Green Advantage

**The Trade Show will be held at Thompson Rivers University, and
will be followed by a Dinner Meeting**

**Visit the ASHRAE BC Chapter website at www.ashrae.bc.ca
for an Exhibitors Package, or contact Trade Show Chair
Tim Hutchison at 604 788-4286 or at
tim_hutchison@telus.net**



High-Performance Building Design Professional Certification

ASHRAE has developed the HBDP program in close collaboration with the Illuminating Engineering Society of North America (IESNA) and the Mechanical Contractors Association of America (MCAA) and with input from the U.S. Green Building Council (USGBC) and the Green Building Initiative (GBI). Candidates who earn the HBDP certification will have demonstrated a well-rounded understanding and knowledge of how HVAC&R design is integrated into high performing buildings to achieve the overall goal of producing a sustainable HVAC&R design.

In today's buildings, implementing innovative technologies for energy-efficient and sustainable designs is essential

The following individuals from the ASHRAE BC Chapter have recently obtained HBDP certification from ASHRAE.

Matt Younger AME Group

Harold Stewart AME Group

Bojan Andjelkovic B.C. Hydro

For additional information see www.ashrae.org/hbdp

The new ASHRAE B.C. Chapter Board of Governors for 2009-2010 will be sworn in at the May Dinner Meeting

Your new Chapter Board is:

Charlie Sabeau, President

Les Pereira, President-Elect

Roberto Costa, V.P. Programs

Mihaela Spulber, Treasurer

Kim Rosval, Secretary

Rob Flipse, Governor

Eric Bradley, Governor



APRIL MEETING REPORT

Two teams of BCIT students presented their ASHRAE Student Design competition project submissions at the April 15th meeting. In addition, other BCIT student design projects were presented in table top displays. The students were well supported with over 70 ASHRAE members and guests in attendance.

Good luck to both teams from BCIT in the upcoming regional judging for the Student Design Competition

BCIT would like to thank Chris Collett, President of the ASHRAE BC Chapter President for his support of the student presentations. Thanks are also given to Engineered Air; Olympic International; and ECCO Manufacturing for sponsoring the costs of all the students' dinners. Thank you also to Joseph Cheung, the Student Branch Advisor for BCIT, who coordinated the student presentations.



**The ASHRAE Student Design Competition teams from BCIT.
Note that the presence of Joe Cheung and Chris Collett significantly increased
the average age of the group in the photo!**



Just a Joke!

To the optimist, the glass is half full.
To the pessimist, the glass is half empty.
To the engineer, the glass is twice as big
as it needs to be

The graduate with a Science degree asks,
"Why does it work?"

The graduate with an Engineering degree
asks, "How does it work?"

The graduate with an Accounting degree
asks, "How much will it cost?"

The graduate with an Arts degree asks,
"Do you want fries with that?"

***Do you have something to
say or have you read
something that others in our
chapter may find very
interesting?***

***Let the BC Chapter's Totem
be your voice.***

***Send the information by
email to the Totem
Newsletter Editor at
chris@collett.net***

***You will see your article in
the next Totem!***

Advertisement and Opportunities

The ASHRAE BC Chapter will post Employment Opportunities Advertisements in the Totem as a service to our Chapter members at a cost of \$100 per issue. The advertisements should be a half page maximum and can be e-mailed to our Newsletter editor Chris Collett at chris@collett.net



MEMBERSHIP REPORT

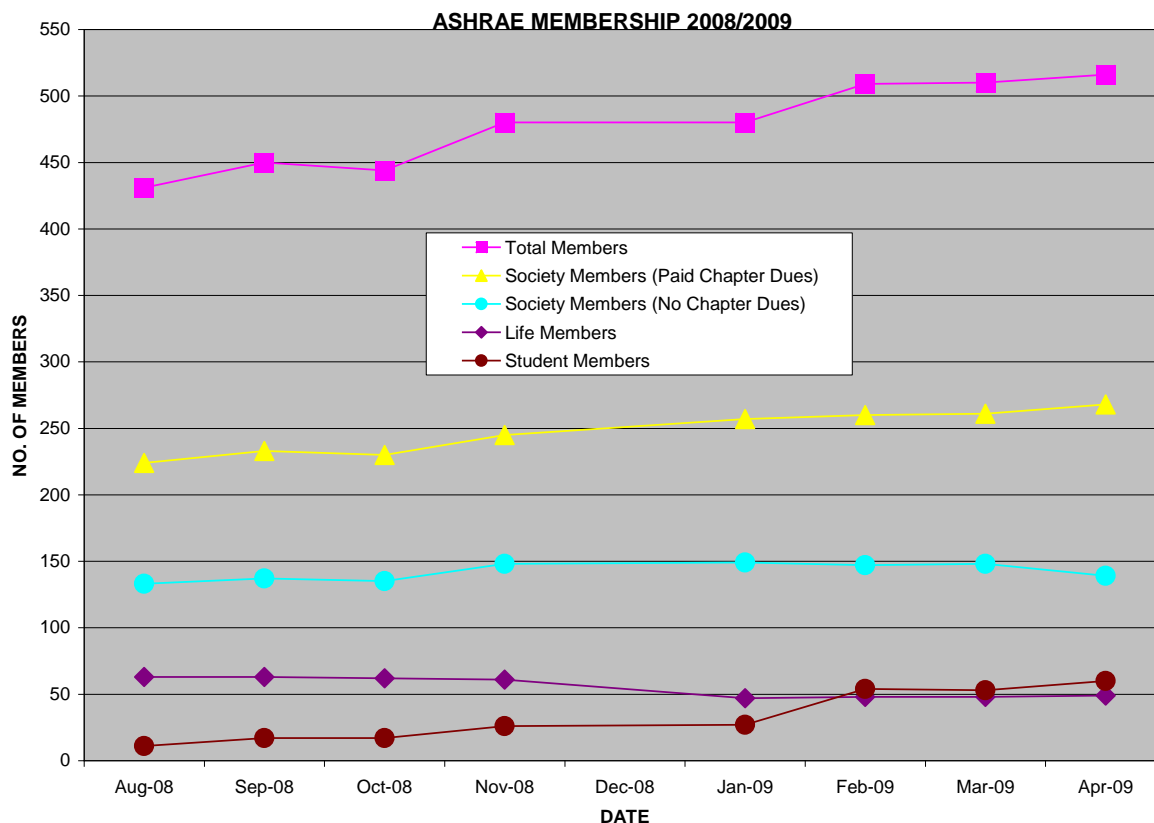
Joseph Cheung, Membership Promotion Chair

Our BC Chapter membership has a steady growth to 516 members in April 2009, of which the increase in membership is just over 10% since August, 2008 (see Graphs below). The memberships consist of Society members with paid chapter dues, Society members with no chapter dues, Life members and Student members.

The society members with paid chapter dues enjoy the benefits provided by the chapter. These benefits include personal name tags at the dinner meeting, discount rates for the dinner meetings and the listing in the BC Chapter Roster at no costs.

Our goal is to encourage all society members to pay their chapter dues. This will enable the chapter to provide the same benefits to everyone.

Our student members have an excellent year in that the student membership has a growth to 60 members, of which the increase in student membership is over 500% since August, 2008. Moreover, in December, 2008 BCIT students had re-activated the student chapter which was dormant since 1986. Also, the students at UBC have started a new student chapter and TRU is planning to establish their student chapter in the near future.





ASHRAE BC Chapter 2008-2009 Officers and Committee Directory

Chapter Officers and Chapter Board of Governors

President

Chris Collett
Ph. 604-535-4215
Email. chris@collett.net

President Elect

Charlie Sabean
Ph. 604-588-1030

Email. csabean@modern-systems.com

Vice President

Les Pereira
Ph. 604-736-2420
Email. ljbp@shaw.ca

Treasurer

Roberto Costa
Ph. 778-328-9888

Email. rcosta@prestonhipps.com

Secretary

Mihaela Spulber
Ph. 604-986-1400

Email. Mihaela@olympicinternational.com

Past President

Wayne Borrowman
Ph. 604-525-8899

Email. wborrowman@toromont.com

Governor

Eric Bradley
Ph. 604-951-0717

Email. ericbradley@telus.net

Governor

Rob Flipse
Ph. 604-683-2321

Email. rflipse@lathams.ca

Governor

Lisa Willis
Ph. 604-341-4020

Email. vulcanagencies@telus.net

Chapter Committee Chairpersons:

Programs

Les Pereira
Ph. 604-736-2420
Email. ljbp@shaw.ca

Attendance Chairman

Jamie Miguel
Ph. 604-525-8899
Email. jmiguel@toromont.com

CRC Delegate

Charlie Sabean
Ph. 604-588-1030

Email. csabean@modern-systems.com

CRC Alternate

Les Pereira
Ph. 604-736-2420
Email. ljbp@shaw.ca

Membership Promotion

Joseph Cheung
Ph. 604-451-6831
Email. jces@shaw.ca

Student Activities

Godfrey Nash
Ph. 604-240-4700
Email. godfrey@telus.net

Bylaws

Gary Way
Ph. 604-930-8854
Email. wayhouse@telus.net

Chapter Technology Transfer Committee Chair

Charlotte Ross
Ph. 604-986-1400

Email. charlotte@olympicinternational.com

Chapter Committee Chairpersons:

Refrigeration Chair

Jamie Miguel
Ph. 604-525-8899
Email. jmiguel@toromont.com

Research Promotion

Wayne Borrowman
Ph. 604-525-8899

Email. wborrowman@toromont.com

Golf Tournament

Norm Grusnick
Ph. 604-530-4151

Email. ngrusnick@ecomfg.com

Honors & Awards

Rob Flipse
Ph. 604-683-2321
Email. rflipse@telus.net

Historian

Peter Horwood
Ph. 604-714-6387

Email. plhorwood@shaw.ca

Newsletter Editor

Chris Collett
Ph. 604-535-4215
Email. chris@collett.net

Webmaster (acting)

Chris Collett
Ph. 604-535-4215
Email. chris@collett.net

Email Distribution List (acting)

Chris Collett
Ph. 604-535-4215

Email. chris@collett.net

Membership matters

TOP REASONS PEOPLE JOIN ASHRAE:

- To receive technical / educational publications
To support the HVAC&R professions
To receive the journal
To be knowledgeable in the area of Technical Standards
Networking Opportunities
Increase Professional Skills

Please help us keep you updated by keeping us updated

If you have not been receiving your email meeting notices or you have changed information, please email Chris Collett at chris@collett.net or call 604-535-4215

Please include the following:

Name: _____,

Company Name: _____

Address: _____

Phone: _____,

Fax: _____,

Email: _____ Membership _____