

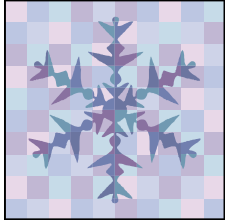
the **Champ** monthly newsletter of the
CHAMPLAIN VALLEY CHAPTER OF ASHRAE

December 2007

www.ashraevt.com

Vol.21 No 3

President's Letter :



Thank you all for coming out in November, the meeting turnout was fantastic and I hope you all will be returning on a regular basis. It was great to see some fresh faces. Remember, no regular meeting in December, and January will be on a dif-

ferent date since the first Wednesday is so close to the new year. Please refer to the website for updated schedules.

November's dinner upgrade was paid for by the chapter. Please make sure that you are current with your chapter dues, its only \$25 and it helps us do a better job for you, the membership. When you renew your society dues, you need to be sure to include the chapter dues as well. I will be making phone calls with friendly reminders for those who may be delinquent.

Also, please be aware that Society has recently gotten more strict on membership renewals and if you are overdue your membership will be cancelled. Please dont let that happen! Its also really easy to renew online now with the new website. You can always go to ASHRAE.org and login to check your membership status and anniversary date, etc. Please take a moment to do so.

The Chapter continues to operate smoothly this year, we are all working hard to meet our goals and keep the standard high for our chapter. We have unfortunately lost our Treasurer as Ron was unable to continue due to other obligations. ASHRAE is a voluneer organization and nowhere is that more true then at the chapter level. I have assumed the role of Treasurer in the interim, but we are actively searching for a full time replacement. If anyone has considered becoming active in chapter operations, now is the perfect time. Think of all those long winter nights with no new TV shows and nothing to do...here is the perfect solution to your cabin fever! If you would like some more information on the post, please call or email me directly.

Thanks again to everyone for making November a great meeting. Enjoy the holidays and be safe in your travels.

Jerry Chabot P.E.





2007-2008 ASHRAE CVC MEETING CALENDAR

<p>September 5</p> <p><u>Location/Time:</u> Inn at Essex</p> <p>4:30 pm- Board of Governors</p> <p>6:00 pm</p> <p>Combustion</p> <p>8:00 pm Burners and Fuels</p> <p>Speaker Duane Rolkosky Regional Vice President of Clever- brooks</p>	<p>October 3</p> <p><u>Location/Time:</u> Stowe, Vermont</p> <p>Board of Governors TBD</p> <p>6:00 pm</p> <p>Tour of Stowe Mountain Snowmaking</p> <p>Dinner at 7:00: Shed</p>	<p>November 7</p> <p><u>Location/Time:</u> Inn at Essex</p> <p>Membership Night</p> <p>4:30 pm- Board of Governors</p> <p>6:00 pm</p> <p>Demand control Ventilation</p> <p>8:00 pm Std 62.1 update</p> <p>Speaker Dennis Stanke Trane</p>	<p>December 5,</p> <p>-</p> <p><u>Location/Time:</u> TBD</p> <p>4:30 pm- Board of Governors</p> <p>Refrigeration Seminar 8:00 am-12:00 pm</p> <p>Basic Refrigeration</p> <p>1:00 pm-4:30 pm</p> <p>Advance Refrigeration</p> <p>Speaker Wayne Vaness Will Stocker</p>	<p>January 16 <i>Engineers Week</i></p> <p>-</p> <p><u>Location/Time:</u> Inn at Essex</p> <p>4:30 pm- Board of Governors</p> <p>6:00 pm</p> <p>Ice Storage TBD</p> <p>8:00 pm TBD</p> <p>Speaker ?</p>
<p>February 12</p> <p><u>Location/Time:</u> Inn at Essex</p> <p>4:30 pm-Board of Govern- ors</p> <p>6:00 pm Water Treatment</p> <p>8:00 pm</p> <p>Variable Primary Flow Design</p> <p>Speaker Julian deBullet</p>	<p>March 5</p> <p><u>Location/Time:</u> Inn at Essex</p> <p>RP Night</p> <p>4:30 pm-Board of Govern- ors</p> <p>6:00 pm Below Ambient piping systems</p> <p>Speaker</p>	<p>April 2</p> <p><u>Location/Time:</u> Inn at Essex</p> <p>4:30 pm-Board of Govern- ors</p> <p>Tour</p>	<p>May 7</p> <p><u>Location/Time:</u> Inn at Essex</p> <p>4:30 pm-Board of Govern- ors</p> <p>6:00 pm</p> <p>TBD</p> <p>8:00 pm TBD</p> <p>Speaker</p>	<p>June</p> <p>Family Outing</p>



Technology Transfer Heather Condon

Fist of all, I would like to thank you for coming to the Inn at Essex. About 45 people attended Dennis Stanke lecturer. The reviews were excellent averaging 90%! There will be no meeting this month at the Inn.

***Come Join
us at at the
Hilton Harbor***

***Wednesday December 5, 2007
Registration 7:30 to 8am***

Morning (8am to 12noon):

Refrigeration Basics

Wayne Vanesse, ARC Mechanical & CVC Member

Afternoon (1pm to 4pm):

Industrial Refrigeration

ASHRAE Distinguished Lecturer,

William Stoecker, P.E., University of Illinois, Urbana-Champaign

NEXT MONTH: ICE Storage System Date to be determined



Research Promotion

Tom Zoller P.E., Chair

Research Promotion (RP) raised another \$285 this month. To date we have \$2,640, or 62% pledged towards our modest goal of \$4,250. Thanks to our many early donors, the Champlain Valley Chapter was the first in ASHRAE to surpass 30% of goal by the end of the year. We should be able to greatly surpass our goal. E-mail donation requests went out November 12 to all members and companies who have donated in the past. All donations to ASHRAE RP are 100% tax-deductible. Please consider including ASHRAE RP in your year-end tax preparations.

2007-2008 ASHRAE Research Promotion Donors include the following:

Company Honor Roll Level - \$250.00 Minimum Donation

Bill Root

Individual Honor Roll Level - \$100.00 Minimum Donation

Jerry Chabot, PE	Heather Condon
Peter Bailey	Ken Secor
Bill Atkinson, PE	Ron LaFountain
Tom Zoller, PE	Steve Kreigh, PE
Amy Patenaude, PE	Jay Pilliod
Glenn Thomas, PE	Peter Tousley
Brian Frary	

Other Donors – Less than \$100 Donation

Dan Donolly	Bruce Mendini
John Grout	Mike Spasyk
Len Pattison	

If you look closely at the list above, you will notice that all the Champlain Valley Officers and Board Of Governors have donated at least \$100 to RP. The leadership of your chapter is 100% dedicated to funding ASHRAE research projects.

ASHRAE RP is currently funding over \$9.7 million in research projects.

See the entire list at <http://www.ashrae.org/technology/page/39> .

Some of the current research projects out for bid right now that will be started next year are:

- 1267-RFP, *Development of an ASHRAE Design Manual for District Heating and Cooling Systems*, sponsored by TC 6.2.
- 1345-RFP, *Waterside Fouling Performance of Brazed-Plate Type Condensers in Cooling Tower Applications*, sponsored by TC 8.5.
- 1387-RFP, *Thermal Energy Storage Design for Emergency Cooling*, sponsored by TC 6.9.
- 1418-RFP, *Indoor Environment Modeling*, sponsored by TC 4.10.
- 1456-RFP, *Assess and Implement Natural and Hybrid Ventilation Models in Whole-Building Energy Simulations*, sponsored by TC 4.10.
- 1466-RFP, *Development of a Calibration Reference Device for Use with Test Standard ANSI/ASHRAE 52.2-2007*, sponsored by TC 2.4.
- 1480-RFP, *Island Hood Energy Consumption and Energy Reduction Strategies*, sponsored by TC 5.10.
- 1481-RFP, *Economic Data Base In Support of Standard 90.2*, sponsored by Standing Standards Project Committee 90.2.
- 1482-RFP, *Update to Measurements of Office Equipment Heat Gain Data*, sponsored by TC 4.1.



November 2007 BOG Meeting Minutes

Date: 11/7/07

Location: Inn at Essex

Time called to order: 4:40 pm

Called to order by: Jerry Chabot

Minutes recorded by: Ken Secor, Secretary

Attendants

Jerry Chabot	Engenuity
Heather Condon	Efficiency Vermont
Amy Patenaude	Efficiency Vermont
Bill Atkinson	Vermont Mechanical Inc,
Peter Bailey	PF Bailey
Jay Pilliod	Efficiency Vermont
Ken Secor	
Tom Zoller	Trane

Last Meeting Minutes

Motion to approve the September BOG meeting minutes was put forth by Heather Condon and Seconded by Amy Patenaude, motion passed.

Officers Report

President Report/Chapter Operations Report: Jerry Chabot

- Ron LaFountain's resignation as ASHRAE CVC treasurer was accepted. Jerry Chabot to fill-in until a replacement can be found.
- Amy Patenaude was appointed "Chapter Administrator". The motion was made by Bill Atkinson and seconded by Pete Bailey. The motion carried
- Two-part refrigeration seminar set for December 5th at the Burlington Hilton.
- The February meeting to be changed to the 3rd Wednesday

President Elect/Chapter Technology Transfer Report:

Heather Condon

- Looking for Sponsorship for the December Seminar. Amy is working
- December Seminar is set at the Hilton
- Heather Reviewed the Calendar and added Membership and Student Nights

Vice President/Membership Report: Peter Bailey/Jerry

Secretary Report: Ken Secor

Nothing to report.

Treasurer Report: Jerry Chabot

- Niagara CRC was discussed Heather and Amy will

reimburse the chapter. Heather \$313 and Amy \$ 919.

- Decided not to buy Quicken add one hundred dollar to the budget
- Bill brought the remaining Golf outing checks. The total was 1,680
- Heather and Jerry will be the representatives on the Tax Exempt application.

Committee Reports

Resource Promotion: Tom Zoller

- CVC of ASHRAE is the **first ever** to receive 30% of PAOE goal
- Most of the funds are collected.

History: Amy Patenaude

- History is at PAR.

New Business

- New England Air with take over the Wolfstitch.
- The Wolfstitch Scholarship award has been renamed to: "ASHRAE-CVC Past President Memorial Scholarship Award"
- The YEOY (Young Engineer of the year) ended in a tie between Amy and Bill. A coin toss settled the tie in favor of Mr. Atkinson.



History Report

Amy Patenaude, PE

Washington

I don't have much to report this month. November has been slow and I didn't do too much with our chapter archives. I'm hoping to get moving here during December and January and have some photos scanned for your viewing. Happy Holidays



December Student Activities Report

Committee Chair : Bill Atkinson P.E.

Student Chapter Advisor : Denny Barnard

Committee members : Amy Patenaude P.E., Jim Lavallee

Student Chapter President : Ryan Lavallee

The last couple of months have been fairly busy. The students with Ryan Lavallee at the helm have already successfully raised more than enough money to take the entire group to NYC for the winter meeting, and the AHR Trade show.

The students held a very successful Golf tournament at Montague country club in Randolph. As usual our local vendors and companies graciously gave money to the students for hole sponsorships. Through these sponsorships they were able to raise almost \$1800.

I would like to thank the following companies and individuals for sponsoring the student Chapter Golf tournament

**New England Air Systems, Vermont Mechanical Inc, Advanced Comfort Systems,
RL Kistler, Victaulic, RF Peck, Emerson Swan, Thermal Environmental Sales,
Buderus, FW Webb, The Trane Company, Control Technologies, Buckley Associates, Scott A Sabol PE.**

New postings on the web for this month will include

3 student resumes, Student Scholarship applications, and a posting of questions for the students to post.

Do you have a project that you would like to show off ? The students would love to see some real projects, and meet the faces behind the designs.

Thank you to all that have supported the students in any way,
Bill Atkinson P.E.



From the Granite State Chapter of ASHRAE

November 17,

2007

The bus to the ASHRAE show in New York has been reserved. It is scheduled to leave from the Macy parking lot in Bedford on Wednesday January 23rd at approximately 5:30 AM. The coach is new with all the latest and great amenities. We will be providing coffee and donuts for the morning trip. There will be something for the return trip, although a selection have not yet been made.

The current number of passengers is 31 and the coach can accommodate 55. More passengers will result in lower cost to us all. The current rate will be \$110.00 per person. The Dunbar Bus Company requires a deposit to hold the date; therefore we are requiring a \$55.00 deposit from you to hold your seat. The balance will be due prior to the 23rd. Checks should be made out to the Granite State Ashrae Chapter and sent to me at 1465 Hooksett Rd. #212, Hooksett NH 03106.

Additional details of the trip will be made available as we progress. Please feel free to contact me with any questions or concerns.

Sincerely,

Deanna Bradley
Research Promotion Chairperson
Cell 603-860-8492

Better Buildings By Design Conference to Return to Vermont

The region's premiere conference on building durability, efficiency and value returns to the Sheraton Conference Center in Burlington on February 13-14, 2008. Presented by Efficiency Vermont, the Better Buildings By Design 2008 Conference will offer 40+ workshops on design and construction approaches and technologies that are being used to create today's high-performance homes and commercial buildings. Led by leaders in the industry, workshops will be featured in four simultaneous tracks on mechanical systems, building envelope, lighting, and innovations/high performance. More than 1,000 attendees are expected.

The 2008 conference will feature more HVAC and refrigerant sessions than ever before, including information on the scheduled phase-out of ozone depleting refrigerants and their safe handling.

A special feature this year will be a pre-conference workshop, on February 12th from 9-4 at the Sheraton, introducing the new Vermont edition of the Advanced Buildings' Core Performance Guide. This guide, designed as a companion tool with existing design publications available from Efficiency Vermont, is unique in its ability to not only provide a specific set of strategies that will reduce energy use by more than 20% above State energy code but also to enable designers to find out about financial incentive levels in the design phase of a project. Attendees registering for both this workshop and the full Better Buildings By Design Conference will receive a \$100 discount off the total cost.

On the opening day of the conference, the keynote address will be given by Marianne Cusato, a designer ranked fourth most influential person in the home building industry by Builder Magazine. Cusato was the designer of the first Katrina Cottage in the fall of 2005 whose ideas led Congress to appropriate \$400 million for an alternative emergency housing program. In 2006, the Smithsonian Institute's Cooper-Hewitt National Design Museum honored Cusato with the first annual "People's Design Award" for her design of the 308 square foot Katrina Cottage One. Cusato will address the elements of good design in homes and communities and the impact of design on the quality of our lives and the sustainability of the earth's resources.

Conference participants will be able to earn continuing-education credits from a range of professional organizations, including the Association of Energy Engineers, the Association for Facilities Engineering, and the Construction Specifications Institute.

Conference registration discounts are available to groups of four or more. For more information or to register, visit www.efficiencyvermont.com/conference or call 802-865-5202.



ASHRAE will advance the arts and sciences of heating, ventilation, air conditioning, refrigeration and related human factors to serve the evolving needs of the public and ASHRAE members

Vision Statement
ASHRAE

- will be the global leader in the arts and sciences of heating, ventilation, air conditioning and refrigeration.
- will be the foremost, authoritative, timely and responsive source of technical and educational information, standards and guidelines.
- will be the primary provider of opportunity for professional growth, recognizing and adapting to changing demographics, and embracing diversity

PAOE Totals

Presidential Award of Excellence is the point system ASHRAE Region and Society use to help track the Chapter's activities. The chapter gets points in the below categories for activities that we do throughout the year. The awards banner that you see at the meetings represents CVC's accomplishments over the years. Below are definitions of what some of those awards are. If you want to know more about PAOE check out the www.ashrae.org website and do a search for the 2006-2007PAOE newsletter.

End of Year Awards Available to the Chapter:

- PAOE:** Minimum in five of the six categories
- Special Citation:** Minimum in 5 of the 6 categories with a minimum total of 4600 points.
- STAR:** PAR in all categories
- Honor Roll:** PAOE for at least 4 consecutive yrs
- High Honor Roll:** STAR for at least 4 consecutive yrs

Category	PAR	(2007-08)
Membership Promotion	500	75
Student Activities	400	840
Technology Transfer	750	330
Resource Promotion	1050	540
History	200	150
Chapter Operations	400	650
Chapter TOTAL	3300	2585

2007-2008 BOARD OF GOVERNORS

- | | |
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| Secretary
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