



the Champ

Monthly Newsletter of the CHAMPLAIN VALLEY CHAPTER OF ASHRAE

Serving Vermont Since 1969

President's Message



Welcome back for a new year for the Champlain Valley chapter of ASHRAE. I hope everyone enjoyed a summer of adventure, family experiences, and barbeques or just relaxed at the beach. As I enter my year as president of the Champlain Valley Chapter, I would like to extend my thanks to Shawn LaBelle for his leadership,

commitment and hard work as our president last year and his continued assistance in helping me in my transition to president and his continued support on the BOG and as chair of the Student Activities committee. I appreciate the work of last year's officers and BOG members for their time and dedication towards the operation of the chapter. I welcome the incoming 2011-2012 chapter officers, BOG members and committee chairs and appreciate their time, energy and abilities in serving our membership.

The incoming chapter officers and committee chairs held an informal meeting in July to introduce the new chairs and officers to chapter operations and allow them to meet each other and start the planning process for the upcoming year. We also finalized the list of attendees to the 2011 Chapter Regional Conference (CRC) in New York City.

Special thanks goes out to John Grout, Ray Hickey and Dan Connelly in putting together last month's golf outing and barbeque at the Williston Country Club. Everyone had a wonderful time participating in the contests, awarding prizes and awards and driving for the "closest to the case of beer contest". We all shared in the camaraderie, self-deprecation and fun-making of the day. The evening's barbeque was a feast of traditional favorites of hamburgers, barbequed chicken, baked beans, chips, tossed salad and cookies. Oh and I think a few beers were consumed as it was a very warm day that required the necessary hydration.

On behalf of the chapter officers and myself we hope you will enjoy and find beneficial the meeting programs throughout the year. Our goal is to provide timely, informative and useful technical topics and site tours for your education

and professional development as well as social goodwill. I know Tom Dacres is working hard and diligently on putting the schedule of events together. The complete schedule is still being developed as we firm up topics and presenters. The schedule on the website will be updated regularly as programs are finalized.

I would like to challenge our chapter members, especially our new and younger members to become involved in our chapter operations to continue to make the Champlain Valley Chapter the best it can be in helping to serve our membership, our community and profession.

.....continued on page 2

Join Us For Our Next Meeting

September 7, 2011
 BOG Meeting 4:00 pm @ VHV Offices
 Tour @ 5:30 pm FAHC Boiler Room Plant
 Hampton Inn – Dinner @ 7 pm
 Main Presentation @ 8 pm
Presentation of FAHC Boiler Room Plant Upgrades

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2011-2012 ASHRAE CVC MEETING CALENDAR

Sept. 2011
Vol. 26 No. 1

September 7	October 5	November 2	December 7	January 4
<p>Location: Hampton Inn</p> <p>4:00 pm: BOG Meeting @ VHV Offices</p> <p>5:30pm: Tour FAHC Boiler Plant</p> <p>7:00pm: Dinner @ Hampton Inn</p> <p>8:00pm: Presentation / David Golen FAHC Boiler Room Plant Upgrades</p>	<p>Location: Hampton Inn</p> <p>TBD: BOG Meeting</p> <p>6:00pm: ~ Tech Session ~ BMS and Lighting Controls ~ Randy Mead CTI</p> <p>7:00pm: Dinner @ Hampton Inn</p> <p>8:00pm: Presentation / Topic – TBD</p>	<p>Location: Hampton Inn</p> <p>TBD: BOG Meeting</p> <p>6:00pm: ~ Joint Meeting with RSES ~ Steve Friedman, PE Region 1 Refrigeration Chair, C02</p>	<p>Location: TBD</p> <p>TBD: BOG Meeting</p> <p>Proposed Full Day Seminar with Efficiency Vt/VGBN</p> <p>Seminar on Energy Modeling</p>	<p>Location: Hampton Inn</p> <p>TBD: BOG Meeting</p> <p>6:00pm: ~ Joint Meeting with AIA on non-HVAC topic</p>
February 8	March 2	April 6	May 4	June 1
<p>Location: TBD</p> <p>TBD: BOG Meeting</p> <p>Combined with Efficiency Vt. Expo</p> <p>Proposed DL speaker on 90.1 or other topic</p>	<p>Location: Hampton Inn</p> <p>TBD: BOG Meeting</p> <p>6:00pm: ~Tech Session – DL Daniel Nall ~ASHRAE Building Energy Quotient (bEQ)</p> <p>7:00pm: Dinner @ Hampton Inn</p> <p>Presentation DL Daniel Nall</p> <p>50% Small and Medium Office AEDG</p>	<p>Location: TBD</p> <p>TBD: BOG Meeting</p> <p>VTC ASHRAE Club as Host</p> <p>Program TBD</p>	<p>Location: TBD</p> <p>TBD: BOG Meeting</p> <p>Facility Tour – Proposed Magic Hat Digester</p> <p>Dinner – TBD</p>	<p>Location: TBD</p> <p>TBD: BOG Meeting</p> <p>Possible Green Technology Expo/ product Demonstration?</p> <p>Details still in the planning phase</p> <p>Annual year end BBQ</p>

president's message continued...

Any of the chapter chairs would welcome any volunteer efforts you can provide in helping them meet the goals of our chapter and Society for the coming year. Please feel free to contact myself or any other officer if you have any questions or suggestions. I am honored and look forward to serving as President of the Champlain Valley Chapter of ASHRAE this year and hope to see you on September 7.

Sincerely,
Mike Cook



turn to the experts™



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Robert Howe of the Vt. Department of Public Safety Retires

Bob Howe was the chief Fire Prevention Officer for the Vermont Department of Public Safety, Division of Fire Safety. He was very involved with the development and enforcement of the numerous codes adopted by the department and its related training and educational programs. Many of us have had the pleasure of working through code issues with Bob as he was the go to guy to resolve issues relating to fire and life safety.

The Champlain Valley Chapter of ASHRAE wish Bob a happy and healthy retirement. Click here to view a copy of the State of Vermont, House of Resolutions Concurrent House Resolution honoring Bob for his 41 years of public service on behalf of the State of Vermont.

**State of Vermont
House of Representatives**



**Montpelier, Vermont
Concurrent House Resolution
H.C.R. 171**

House concurrent resolution honoring Robert Howe for his 41 years of dedicated public service on behalf of the state of Vermont

Offered by: Committee on General, Housing and Military Affairs

Whereas, Robert (Bob) Howe began his public service career in the transportation field where he spent seven years, and

Whereas, for the past 34 years, 29 at the department of labor, and more recently with the division of fire safety within the department of public safety, Bob Howe has developed an expertise in the myriad codes related to fire and building safety, and

Whereas, he began at the department of labor as a field inspector and rose through the ranks to become deputy director of the division of fire safety, the number two fire safety position in Vermont, and

Whereas, as a developer and implementer of fire safety codes, Bob Howe has been required to work closely with other state offices and a variety of interest groups, and

Whereas, these interactions can involve matters of importance and sensitivity, and Bob Howe has repeatedly exhibited an enormous degree of diplomacy and tact in addressing conflicting viewpoints and harmonizing fire safety and related codes with other state regulatory provisions, and

Whereas, a special project, which Bob Howe started 20 years ago, is the annual third grade fire safety calendar drawing contest in which Vermont's third graders are invited to submit drawings with fire safety messages for inclusion in the calendar; 20,000 of which are distributed through the schools, and

Whereas, the winners each have their work incorporated into one month's calendar page and are invited to Montpelier for an award ceremony that includes having their picture taken with the governor, and

Whereas, Bob Howe was also honored at the most recent fire safety calendar ceremony, and despite his best efforts to avoid the limelight, he was deservedly recognized for this outstanding accomplishment, and

Whereas, he is recognized among his regional fire safety colleagues as a foremost expert and is frequently asked to speak in other states on topics of interest to those jurisdictions, and

Whereas, in his personal life, Bob Howe volunteers at his church, helping to provide meals for those in need, and has coached girls' basketball, and

Whereas, Vermont's buildings are far safer places as a result of his decades of exemplary public service, and after 41 years of state employment, Bob Howe is retiring this spring, now therefore be it

Resolved by the Senate and House of Representatives:

That the General Assembly honors Robert Howe for his 41 years of dedicated public service on behalf of the state of Vermont, and be it further

Resolved: That the Secretary of State be directed to send a copy of this resolution to Robert Howe.

Technology Transfer

Hello CVC members! Welcome to the ASHRAE CVC 2011/12 year. Hope everyone had a fantastic summer and are enjoying some fresh garden veggies and looking forward to a wonderful fall season. With fall comes back to school time and the start of the CVC year.

I survived my first CRC (Region 1 Chapter Regional Conference) in NYC. What a great time. I managed to avoid getting too lost in the construction zone of the new freedom tower and 9/11 remembrance museum, which was adjacent to our hotel. I learned a lot about the CTTC (Chapter Technology Transfer Committee) chair position and look forward to serving the chapter in that role.

Our 2011/12 CTTC committee is comprised of three members, I as the CTTC committee chair and program chair, Dick Wilcox will be our liaison to the government on state or federal codes, standards, and incentives, or any other applicable issues, and Peter Bailey is our Refrigeration Chair (which falls under CTTC). We have a great year of programs, tours, and education lined up. Look for an updated calendar, in this newsletter, for a schedule of programs.

Our first September meeting will be a tour at the Fletcher Allen Medical Center boiler plant and will consist of the following:

Currently there are 5 boilers on site, 2 of the boilers are in the reconstruction process. The internal water tubes, refractory, boiler shell, safety controls and burner are being replaced. The boilers were installed over 50 years ago and are very inefficient. The new water tubes and burner controls will greatly reduce the fuel operating cost. The new boiler tubes use “membrane technology” to increase the boiler horsepower without changing the original foot print of the boiler. The new burners are a low NOx parallel positioning system with Oxygen trim and efficiency monitoring controls.

David Golen from Adirondack Combustion Technologies will explain all of the new features,

cost savings strategies and control theory. The plant has also installed a plant wide control system to sequence the 5 boilers and monitor boiler efficiency. The walkthrough tour will show the control panel, major components, HMI graphics and building communication techniques. After the plant walkthrough we will head to the Hampton Inn in Colchester for Dinner and Dave will talk about the plant upgrade process in detail showing pictures



in a power point presentation detailing the project from start to finish.

Hope to see everyone at the tour!

Tom Dacres

Tom Dacres

History Report

I'm pleased to be back again for another year as Chapter Historian. If anyone has suggestions for a topic for this year's Gold Ribbon Submission please feel free to let me know. I'd love to hear from you if you know any notable companies or individuals that might be interesting to learn more about. Thanks for the help and I'll see you in September!

Gretchen Langfeldt
Gretchen Langfeldt

RESOURCE PROMOTION

I'm looking forward to fund- raising for ASHRAE this year and will be in Chicago for the centralized Resource Promotion training in mid- September. I'd love to hear from you, so please contact me at any time with donations or ideas you have for making this a successful campaign.

Rob Ward

Rob Ward

Student Activities Report

VTC Chapter

Committee Chair: Shawn LaBelle

Student Chapter Advisor: Chris Reilly

At the 2011 Chapter Regional Conference (CRC), VTC was awarded the ASHRAE Region 1 - Best Student Design Competition. This is a great achievement and I want to congratulate VTC and all who participated in the design.

Thanks!

Shawn LaBelle

Shawn LaBelle

Membership Promotion

Hello all, and welcome to the 2011-2012 ASHRAE year. I am looking forward to an exciting year, and growing our chapter. Keep an eye out for some exciting membership promotion chapter meetings.

I would like to remind all existing chapter members to please renew your annual ASHRAE membership. When possible it is preferred that the online renewal is used. If you have yet to renew, you can expect a friendly reminder in the next few weeks.

As of right now our membership committee for the 2011-2012 ASHRAE year is not yet complete. We are still looking for volunteers to sit on our committee. Our Membership Promotions (MP) committee should be composed of a chair (myself) a co-chair and 3 committee members. Please do not hesitate to contact me if you are interested in being a committee member, or co-chair.

Reminder: It is important to let Ray Hickey (rhipkey@advancedcomfortsys.com) know 3-4 days before the monthly meeting that you are planning on attending. Thank you.

Nathan Mascolino
Nathan Mascolino

Financial Audit Statement for chapter year 2010-2011 from Audit Committee

“The audit of the ASHRAE CVC checking account was performed on July 26, 2011. Ken Secor, Bill Atkinson, and Tom Zoller were in attendance. The start of year balance was \$15,141.63 on July 1, 2010. The end of year balance was \$12,885.81 June 31, 2011. All transactions were accounted for and the ASHRAE CVC accounts are in balance.”

Treasurer's Report

As of today, August 15, 2011, all bills are paid and our TD Bank checking account balance is \$13,082 - up from two months ago by \$861.

On July 26th, as per ASHRAE bylaws, an audit for the fiscal year July 1, 2010 to June 30, 2011 was performed by Bill Atkinson and Tom Zoller at Trane. I was present. The audit went well and funds balanced to the penny. A few security suggestions were made by me and taken note of by Tom and Bill. Among them, the breakout of cash from checks by whoever collects the funds; most times - Ray Hickey.

IRS form 990-N was filed in compliance with tax law.

The summer golf outing at Williston was successful. The weather was delightful, the Chapter made some money and everyone enjoyed the course, the food and the prizes.

Annual chapter dues are now being direct deposited by ASHRAE National rather than snail mail.

Finally, when all the income and expenses are received and posted for the golf outing, a P&L will be generated. Without Ray Hickey, John Grout and Tom Zoller, this event would have no legs. A big thank you is in order.

Ken Secor, Treasurer
Ken Secor, Treasurer

BOG Meeting Minutes

July 15, 2011 BOG Meeting Minutes (Corrected August 25, 2011)

Date: 07/15/2011

Location: Trader Dukes

Time Called to Order: 12:27pm

Called to Order By: Shawn LaBelle

Minutes Recorded By: Robert J. Favali, Secretary

ATTENDANTS

Shawn LaBelle	Vermont Mechanical
Mike Cook	ARC Mechanical
Ken Secor	KPS Consulting
Tom Dacres	VHV
Nathan Mascolino	VHV
Rachael Mascolino	Efficiency Vermont
Robert J. Favali	DuBois & King, Inc
Peter Bailey	Dodge Engineering Inc

LAST MEETING MINUTES

Motion to approve Feb, 2011 meeting minutes was put forth by Shawn L and seconded by Tom D., motion passed.

OFFICER REPORTS

A.) President: Michael R. Cook

- a.) 2011 CRC – finalize attendees and allocate chapter expenditures
 - I. Attendees: Tom D., Pete B., and Mike Cook
 - II. Registration & Hotel Reservation by Mike C.
 - III. Transportation Reimbursement discussed
 - IV. A motion as made to approve \$2,500.00 Not-to-Exceed budget for CRC expenses for (3) individuals. Moved by Ken S; seconded by Nathan M.; and Motion was Carried.
- b.) Accounting Audit – Ken Secor, Tom Zoller, and Bill Atkinson are scheduled for Tuesday, July 19, 2011
- c.) PAOE pts for 2010-2011 – all in
- d.) Discuss recruitment of Treasurer Position for 2012-2013 (ie Ken's Replacement). No conclusion – discussion to continue.
- e.) Transition of Officers to be undertaken during September's meeting
- f.) Chair Positions – Any ideas to lessen Pete's chair positions?
 - I. Research Promotion Chair needed

- II. Refrigeration Chair by Pete B.
- g.) End of year items for CRC 2011
 - I. CIQ is complete and submitted by Shawn L.
 - II. Chapter Meeting Dates 2011-2012 – Done (see attached)
 - III. Confirmation of Delegate and Alternate - Done
 - IV. CRC Chapter Summary Report – To be completed
 - V. Chapter Annual Report – To be completed
 - VI. Motions via email for CRC - Approved
 - VII. Sample Newsletter – To be selected by Mike C
 - VIII. Regional + Society Nominations - None
- h.) Transition of Officers + BOG Members
- i.) 2011 Golf Outing – No issues noted
- j.) Website Updates & Cara Gorman as Electronics Chair and whether to invite to CRC 2011. Discussion and it was agreed that we will not invite her to CRC.

B.) President Elect- Tom Dacres – CTTC Chair

- a) Go over outline -where we are regarding meeting dates and topics
- b) It was agreed to reserve the Hampton Inn for September 7, 2011

C.) Vice President – Nathan Mascolino - Membership Chair Nothing to report

D.) Treasurer – Ken Secor - Noting to report; see additional comments above

E.) Chapter Secretary – Rob Favali - Nothing to report

F.) History – Gretchen Langfeldt - Nothing to report

G.) Refrigeration – Peter Bailey - Nothing to report

NEW BUSINESS

It was noted that there is a \$200 deficit in the Scholarship Account that will be covered by the general fund until sufficient advertising income is received.

MEETING ADJOURNED

Motion to adjourn made by Shawn L, seconded by Pete B. Meeting adjourned @ 1:35 PM

These minutes are the writers understanding of the discussions involved. If there are any exceptions taken, or omissions, please notify the writer immediately.

2011 GOLF OUTING

Eighteen teams of golfers participated in our annual Champlain Valley chapter golf tournament on August 3 at the beautiful Williston Country Club. Weather conditions were sunny and hot but who is to complain about spending an afternoon on the golf course with your friends.



Congratulations to the Vermont Heating and Ventilating team comprising of Steve Poole, Dave Robistow, Dick Brown, and Derrick Poole who took away top team of the day. They reported a score of nine under par and good enough to have first dibs on the colorful Williston Country Club shirts.

I send my thanks to our 2011 sponsors making this event a success in raising funds for our chapter operations. Sponsors for this year's event included Advanced Comfort Systems, ARC Mechanical Contractor's Inc., Buckley Associates, Control Technologies, Exhausto bt Technology Plus, L.J. Early Co. Inc., F.W.Webb Company, Hallam Associates, Independent Pipe and Supply, Innovent by Trane, Johnson Controls, R.L. Kistler, Milwaukee Valve, MultiStack by Trane, New England Air Systems, NuAir by Trane, R.F. Peck Co. Inc., Shannon Insultech by Technology Plus, Thermal Environment Sales, Trane, Vermont Heating and Ventilating Co. Inc., Vermont Mechanical Inc., and Victaulic Company.

Thank you again to the golf outing committee of John Grout, Ray Hiickey and Dan Connelly.



2011 CRC AWARDS

Here are the (12) awards the Champlain Valley Chapter received at the 2011-2012 CRC in New York City on August 18-20, 2011.

- ▶ Champlain Valley Full Circle
- ▶ Champlain Valley PAOE – Honor Roll, Special Citation – Shawn LaBelle President and Star
- ▶ Champlain Valley Sustainability Activities PAOE – Shawn LaBelle President
- ▶ Champlain Valley Runner Up Research Promotion (% of goal)
- ▶ 2008-2009 History – Amy K. Patenaude
- ▶ 2009-2010 History – Gretchen Langfeldt
- ▶ Certificate of Achievement, Recognition for Exceeding Goal – Sandra LaFlamme
- ▶ 2010-2011 ASHRAE Region 1 Outstanding Performance Research Promotion Honorable Mention – Sandra LaFlamme
- ▶ 2011 Chapter Service Award – Thomas W. Zoller
- ▶ 2010-2011 ASHRAE Region 1 Black Ink Award “The Champ” – Natasha Yaryna and Cara Gorman
- ▶ 2010-2011 ASHRAE Region 1 Best Student Design Competition, HVAC Design – Shawn LaBelle and VTC Student Chapter
- ▶ 2010-2011 ASHRAE Region 1 Outstanding Performance Chapter Programs Honorable Mention – Michael R. Cook

Congratulations to the efforts of the entire 2010 – 2011 Champlain Valley Chapter team including Of-

2011-12 Presidential Newsletter

2011 -2012 Presidential Award of Excellence (PAOE)

2011-2012 PRESIDENTIAL NEWSLETTER

DATE: May 16, 2011 (revised July 7, 2011)

TO: Chapter Presidents
ASHRAE Membership Promotion Committee,
ASHRAE Student Activities Committee, ASHRAE
Research Promotion Committee, ASHRAE Chapter
Technology Transfer Committee, Young Engineers
in ASHRAE Committee, Regional Historians,
Assistant Regional Chairs, Board of Directors

FROM: Ronald E. Jarnagin

SUBJECT: PRESIDENTIAL AWARD OF
EXCELLENCE (PAOE)

ASHRAE chapters are the backbone of this Society
and play a central role in helping the Society achieve

its goals. Through our collective efforts, ASHRAE chapters are a vital force in the HVAC&R community and a resource for the global community.

My Presidential theme, “Sustaining ASHRAE Through Leadership,” highlights the role ASHRAE members play as leaders in sustainable design and practices.

This marks the sixth consecutive year that the Presidential theme has focused on sustainability. This focus should be so ingrained in our lives that our mission “to serve humanity and promote a sustainable world” inspires our daily decisions.

Several new activities have been added to support the presidential theme and they focus on Leadership, Training, Marketing, Young Engineers in ASHRAE (YEA), Building Energy Quotient (bEQ) and Refrigeration.

Mission Statement

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 heading, ventilation, air conditioning & 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.

Presidential Award of Excellence Totals

Presidential Award of Excellence (PAOE) 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 2006-2007 PAOE 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 years

High Honor Roll: STAR for at least 4 consecutive years

Premier: PAOE every year since the chapter's inception or since 1970; minimum of 4 years; chapter's first year is excluded

Sustainability Activities Award: A Chapter Sustainability Award in the form of a certificate is available for each chapter that obtains a total of at least 200 points from the items listed under Sustainability

Activities in the Chapter Operations category of PAOE. The Chapter with the highest PAOE Sustainability point total will receive a Regional award in the form of a glass plaque and a certificate. Level 1 = less than 100 members; Level 2 = 100-249, Level 3 = 250-449, Level 4 = 500 or more.

Category	PAR	(2011-12)
Membership Promotion	0	0
Student Activities	0	0
Technology Transfer	0	0
Research & Promotion	0	0
History	0	0
Chapter Operations	0	0
Chapter TOTAL	0	0

2011-2012 BOARD OF GOVERNORS

Pete Bailey T: (802) 434-2278 Company: Dodge Engineering & Controls Inc pbailey@deicontrols.com	Rachael Mascolino T: 802-488-7846
Robert Ward III T: 802-655-8805 x194	Dick Wilcox T: (802) 655-8805 Company: Vermont Heating @ Ventilation, Inc. dwilcox@vhv.com
Gretchen Langfeldt T: (802) 651-4114	Shawn LaBelle T:(802)862-5900 x.146 shawn.labelle@vtmechanical.com

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Subscription to the newsletter and membership questions should be directed to Nathan Mascolino (802) 655-8805 or nathanm@vhv.com

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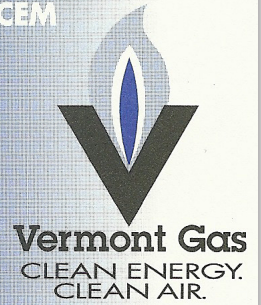
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