



the Champ

Monthly Newsletter of the CHAMPLAIN VALLEY CHAPTER OF ASHRAE

Serving Vermont Since 1969

President's Message



I would like to welcome everyone to our 2010-2011 Champlain Valley ASHRAE year. It's seems like every year the summers keep flying by faster and faster, but fortunately this summer we had some great weather and I hope everyone had a chance to enjoy it before fall quickly approaches.

As your new Chapter President I am looking forward to working with the Champlain Valley Chapter officers, board of gov-

ernors and members. My goal is to continue to work with the officers and bring some educational and innovative meetings to our members along with tours to help expand our knowledge in today's ever changing industry. To assure you that we are doing so I am asking you the members to please contact myself, Mike Cook, or any other chapter officers with meeting and tour ideas. We are always looking for ideas and it would be great to hear from our members.

Please visit our website for this year's meeting schedule, job postings, resumes, yearend summaries, etc. I want to thank Natasha Yaryna and Matt Tanis at Hallams-ICS for their continued support and help with the website and newsletter. Without their help we would not be able to get our monthly newsletter and information out to our members in a timely fashion, thanks again.

Our annual golf outing was another success again this year. Without the help of Tom Zoller, John Grout, Ray Hickey, Dan Connelly, and Dave Robistow the golf outing wouldn't have happened. Thank you for all the hard work and effort you guys put into this event in order to make it such a great success for the Champlain Valley ASHRAE Chapter.

This year our Chapter Regional Conference (CRC) was held in Watkins Glen, New York on August 19th-21st. Pete Bailey, Mike Cook and I attended the conference. Like in the past, our chapter came home with some great awards. Nice job everyone. Please see the CRC awards article for a listing of the awards.

In closing I would like to thank Pete Bailey for all his hard work as Chapter President last year and his continuing support as this year's

BOG member, and Refrigeration Chair. He has also been helping me with the transition into this year's chapter president and without his help it wouldn't have been an easy one, thank you Pete.

I am looking forward to seeing you all at our Septembers Meeting.

Sincerely,

Shawn LaBelle, Chapter President

Chapter Meeting

The Essex

BOG Meeting - 4:30 pm

Presentation- 6:00 pm

Dinner - 7:00 pm

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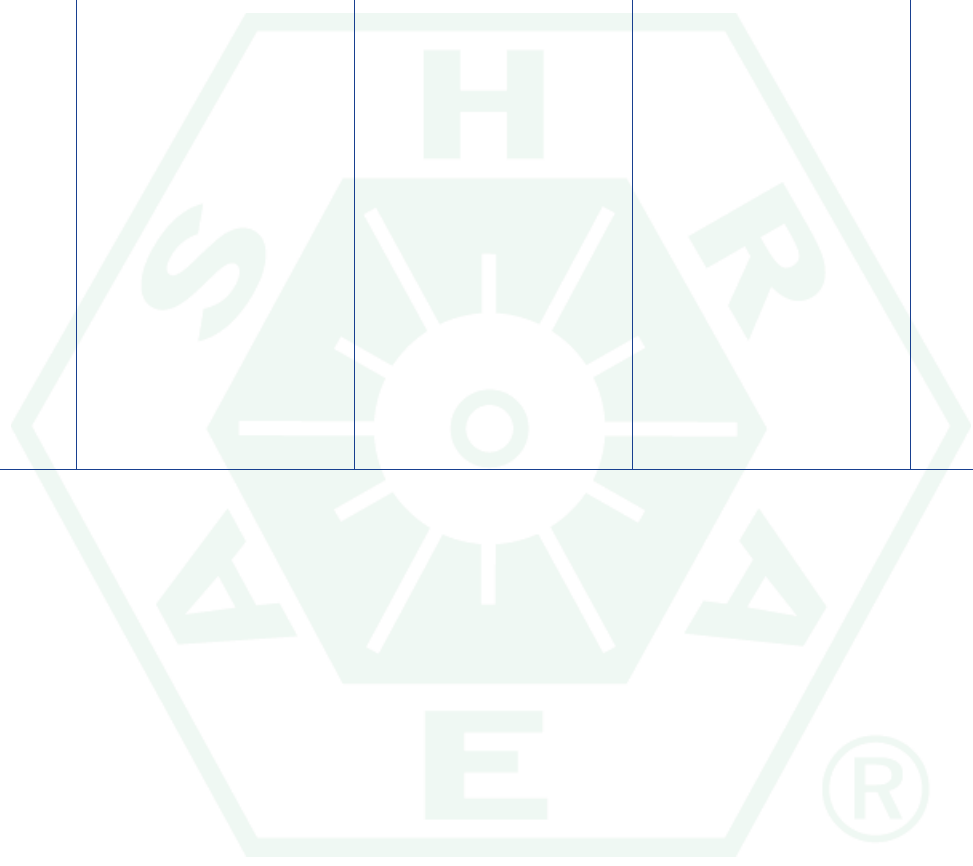
2010-2011 ASHRAE CVC MEETING CALENDAR

September 1 st	October	November	December	January
The Essex BOG Meeting - 4:30 pm Presentation- 6:00 pm Dinner - 7:00 pm	TBD	TBD	TBD	TBD
February	March	April	May	June
TBD	TBD	TBD	TBD	TBD

August 2010

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Vol.25 No.1



Technology Transfer

We have a great speaker lined up for this month it is Steve Fey of Mason Industries

General:

The presentation will allow both Consulting Engineers and Mechanical Contractors to better understand local seismic restraint requirements and the impact these requirements have on their work.

Technical Session:

General earthquake terminology, how the Building Codes developed and the determination of the need for seismic restraint are discussed. Detailed examples of the International Building Code (IBC 2006) requirements specific to Vermont will be presented.

Main Presentation:

Photographs showing typical seismic damage to HVAC equipment will expose the major reasons for equipment damage/failure. Proper application of restraint devices for floor mounted and ceiling suspended equipment will be presented.

Speakers Bio:

Steve Fey has been employed with Mason Industries for 25 years as an Application Engineer and International Sales Manager. Steve is well versed in the design and application of vibration isolation and seismic restraint systems for HVAC Equipment and has conducted hundreds of ASHRAE seminars over his career.

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. You can find this past year's submission on Vermont Heating and Ventilating in the June newsletter. I'd love to hear from you if you know of 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

Student Activities Report

VTC Chapter

Committee Chair: Shawn LaBelle

Student Chapter Advisor: Chris Reilly

At the 2010 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

Membership Promotion

You just graduated. Your career and life are in front of you. Your professional engineering journey starts with smart resources from ASHRAE when you transfer your student membership into associate membership. Your first year of membership out of college is only \$20. And for the next two years you only pay \$50 a year – a \$420 savings. Plan ahead. Save Money. SUCCEED.

Just a reminder to the existing chapter members to please renew your annual ASHRAE membership (online preferably) if you have not already done so, otherwise you can expect a friendly reminder from the membership committee in the next few weeks.

Speaking of the membership committee, we are looking for volunteers to sit on the committee. Our Membership Promotion (MP) committee should be composed of a chair (me), co-chair and at least 3% of the chapter's area-assigned members (111). So we need 3.33 people, well let's round it up to four! Please let me know if you would like to sit on the committee or co-chair. It is recommended that the co-chair accept a term of at least two years so as to maintain continuity of the chapter membership promotion activities. (First year as co-chair; second year as chair).

Reminder: It is important to remember to send an email to Ray Hickey (rhickey@advancedcomfortsys.com) by the Sunday prior to the scheduled meeting indicating that you will be attending the meeting. Thank you!

Tom Dacres

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 any time with donations or ideas you have for making this a successful campaign.

Thank you.

Shawn LaFlamme

August BOG Meeting Minutes

Date: 8/11/10

Location: Trader Dukes

Time Called to Order: 12:09 pm

Called to Order By: Shawn, President

Minutes Recorded By: Nathan Mascolino, Secretary

Attendants:

Shawn LaBelle Vermont Mechanical Inc.

Ken Secor KPS Consulting

Mike Cook ARC Mechanical

Dick Wilcox VHV

Tom Dacres VHV

Nathan Mascolino VHV

Scott Alexander LN Consulting

Last Meeting Minutes

Motion to approve June, 2010 meeting minutes was put forth by Scott A and seconded by Dick Wilcox, motion passed.

OFFICERS REPORT:

President Report/Chapter Operations: Shawn Labelle

Shawn asked that all officers send their news letter articles directly to him not more than 2 weeks after the monthly meeting. Shawn will then send all articles together to Matt. All officers agreed.

Shawn will contact Heather Nowakowski and confirm with her that money received from newsletter advertising can be used for scholarships. If the use of advertising money for scholarships is permitted, Shawn will write up a proposed rate structure for newsletter advertising before the Sep meeting. The rate structure will be discussed and voted on.

Efficiency Vermont would like to run a ½ page informational add in the (September) newsletter outlining their available rebates. After discussion it was concluded that Efficiency VT could run the ½ page add in the September news letter, but will be subject to the advertising rate structure as soon as it is voted on and adopted.

Shawn would like for all new officers to send him bio information and a photo for the website.

Shawn will contact someone on the golf outing committee for a write up on the golf outing for the newsletter.

Shawn shared that Rev Vermont Geothermal workshop has monthly meetings in the Montpelier area. The geothermal workshop meeting organizer would like to see an ASHRAE representative, and would be interested in a possible joint meeting.

The September meeting will be held at “The Essex” future meeting locations are TBD and a better deal should

be shopped for. Shawn asked everyone to check around and see if a better deal can be found. Because September is a “busy season” for The Essex the cost per person for the September meeting will exceed the \$25.- per member meeting fee. The actual cost will be \$29.- per person.

A motion (via Email) that CVC cover the the additional \$4.- per person for the September meeting was put forth by Nathan M and seconded by Scott A, motion approved.

President Elect/Student Activities Chair Report: Mike Cook

The September meeting topic will be seismic design.

Vice President/Membership Chair Report: Tom Dacres

Tom had nothing new to report

Treasurer Report: Ken Secor

Ken had nothing new to report.

Secretary Report: Nathan Mascolino

Nathan had nothing new to report.

Resource Promotion: Heather Condon

Not in Attendance

History: Gretchen Langfeldt

Not in Attendance

Reception: Ray Hickey

Not in Attendance

New Business

The June meeting will in fact be a follow up Tour of the Switchback Brewery & outdoor BBQ in lieu of the baseball game.

Meeting adjourned Motion to adjourn made by Shawn, seconded by Tom. Meeting adjourned @ 1:08 PM

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

2010 Golf Outing

Twenty teams of golfers participated in our annual golf tournament this year, up from 18 last year. We were treated to beautiful conditions on the Williston Golf Club course. Our good luck with the weather held again this year. On my drive up to the Burlington area I was listening to flood warnings from extreme thunderstorms in the early morning hours. By the time we teed off the clouds were a distant memory and only the heat and humidity gave us anything to complain about. We could have been working!

Repeating as champions this year was the combined team of Vermont Heating & Ventilating and Thermal Environment Sales with a 12 under par score.



Team members: (left to right) Brian Cavert, Steve Poole, Brian Tarbox, and Jason Hudspath. The committee is hard at work looking into handicapping the champions to give us all a chance next year. Congratulations!

Special thanks to our list of sponsors for 2010 as this is a major fund raiser for the chapter. Golf Teams: Advanced Comfort Systems (2), Buckley Associates, Vermont Technical College, Trane, Vermont Heating & Ventilating, Thermal Environment Sales, Victaulic Co, RL Kistler, Trane Service, Vermont Mechanical (2), Control Technologies (3), Milwaukee Valve, RF Peck, Adirondack Combustion, and Johnson Controls.

Hole Sponsors: Adirondack Combustion, Advanced Comfort Systems, ARC Mechanical Contractors, Buckley Associates, Control Technologies (2), Efficiency Vermont, Exhausto by Tech Plus, FW Webb Co, Innovent, Milwaukee Valve, Multistack, NuAir, RF Peck, RL Kistler, Shannon Insultech, Thermal Environment Sales, Trane, Vermont Heating & Ventilating, Vermont Mechanical (2), and Victaulic Co.

Special thanks are also in order to the golf committee: Dan Connelly, John Grout, Ray Hickey, Tom Zoller, and Dave Robistow.

Treasurer's Report

As of August 17th, 2010, all bills are paid, a \$200 check sits on my desk, to be deposited tomorrow, and our TD Bank checking account balance is \$17,772.86 - up from last month by \$2,431. The golf-outing spikes the numbers and are always positive, but some years are more positive than others. The guys responsible for putting together the program and making things so enjoyable, are to be congratulated. Nice job!

Former CVC President Bill Atkinson came out hiding to go over the books I keep. Assisted by able bodied Tom Zoller, the audit went well, I have been exonerated of any misdeeds - but the trip to the Bahamas is cancelled.

Ken Secor, Treasurer

2010 CRC Awards

Here are the (8) awards we received at the 2009-2010 CRC at Watkins Glen.

Programs Promotion ASHRAE Research - Certificate of Achievement for Exceeding Goal - Heather Condon

Champlain Valley Full Circle

Champlain Valley Honor Roll - Special Citation

Champlain Valley History - (2) Ribbons

Presidential Award of Excellence - Special Citation - Peter Bailey

Presidential Award of Excellence - Sustainability Activities - Peter Bailey

ASHRAE Region 1 - Refrigeration Comfort Cooling Award for Project Excellence - Pizzagalli Properties Project

ASHRAE Region 1 - Best Student Design Competition - Vermont Technical College

Reducing Clients' Compressed Air Costs

"In this economy, many clients who are hard-pressed to pay for anything but essentials are still interested in working with engineers and contractors to make energy-saving equipment upgrades," says George Lawrence of Efficiency Vermont. "Where opportunities for energy savings exist, a need for contractors and engineers also exists."

One such opportunity, according to Lawrence, is in companies that use compressed air. Energy waste occurs in almost every compressed-air system, whether due to undetected air leaks, inappropriate uses, poor process control, or inefficient equipment. This can add up to thousands of dollars in unnecessary energy costs per year.

A properly working, efficient system can not only save energy and reduce energy costs, it can also:

- improve the quality of the manufacturing process, resulting in better quality control;
- reduce noise in the plant, due to less leaking air in an open blow; and
- improve overall system reliability by allowing a second compressor to shut down due to improved air usage and performance. This will allow the second compressor to provide redundancy to the first compressor.

"The most cost-effective approach to reducing compressed-

air energy use is to optimize the entire system; including the compressor system and the end use,” says Lawrence.

Examples of energy-saving actions include adjustments to the following system elements:

- Compressor – Variable frequency drive (VFD) compressors are the most efficient option for variable loads that are typically less than 90% of the compressor’s capacity -- using less energy than modulating compressors.
- Filter – low-pressure-drop filters can save energy by allowing lower pressure set points at the compressors.
- Dryer – instead of operating constantly, cycling refrigerated dryers turn on and off as determined by the system’s airflow.
- Receiver/Storage Tank – A properly-sized receiver/storage tank saves energy when coupled with a load/no-load compressor. It also enables a VFD compressor to provide more stable pressure.
- Main Plant Manifold – High-quality disconnects reduce air leaks.
- Drains – No-loss drains allow the escape of condensate without allowing the loss of compressed air.
- Air Hose & Nozzle – Air-entraining nozzles use less air to do the same amount of work done by standard nozzles.

For more information, including facts about rebates for your clients, contact George Lawrence, toll-free, at 888-921-5990, extension 1082.

2010 - 2011 Presidential Award of Excellence (PAOE)

2010-2011 PRESIDENTIAL NEWSLETTER

DATE: July 2010

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: Lynn G. Bellenger

SUBJECT: 2010-2011 PRESIDENTIAL AWARD OF EXCELLENCE (PAOE) - Final

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, “Modeling a Sustainable World”, highlights the role ASHRAE members play as leaders in sustainable design. In energy simulation, daylight analysis, CFD, and BIM software, we have powerful modeling tools that enable us to create and refine our vision of a building – its appearance, systems, operation, and performance. Those resources, used effectively in an integrated design process for new buildings and in analyzing retrofit opportunities in existing buildings, will help us guide building owners, developers, and contractors in building orientation, shading, and shape and in selecting materials, windows, equipment, and systems that optimize building performance.

This marks the fifth 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.

The PAOE criteria have been simplified in some areas and the instructions clarified wherever possible. Several new activities have been added to support the presidential theme and they focus on integrated design, collaborating with our colleagues in the design profession, and expanding our understanding of building science.

To read the complete letter, follow this link:

[http://www.ashraevt.com/linked_files/2010-11_paoe_newsletter - final.pdf](http://www.ashraevt.com/linked_files/2010-11_paoe_newsletter_final.pdf)

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 heating, 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	(2010-11)
Membership Promotion	500	
Student Activities	400	
Technology Transfer	750	
Research & Promotion	1050	
History	200	
Chapter Operations	400	
Chapter TOTAL	3300	

2009-2010 BOARD OF GOVERNORS

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Gretchen Langfeldt T: (802) 651-4114	Dick Wilcox T: (802) 655-8805
Sandy LaFlamme T: (888) 921-5990 x. 1097	

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Subscription to the newsletter and membership questions should be directed to Tom Dacres (802) 318-3298 or tomd@vhv.com

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