



the Champ

Monthly Newsletter of the CHAMPLAIN VALLEY CHAPTER OF ASHRAE

Serving Vermont Since 1969

President's Message



Thanks to all who attended February's meeting, we had another great turnout. Big thanks to Chris Mathis, our distinguished lecturer, who presented two great topics which seemed to be well received by all.

I want take this moment and thank Ray Hickey for his support of the Champlain Valley Chapter. He has continued to be a big asset to

this chapter. Every month he takes on the hard work of organizing all of our monthly meetings RSVP's and creating name tags for all new members and non members, along with managing our reservation table. Thanks again for all your help over the past years and continued support.

It was my pleasure to present our 2011 Young Engineer of the Year award to Chris Reilly, PE and our 2011 Engineer of the Year award to Amy Patenaude, PE, LEED AP. Chris Reilly is an Assistant Professor & Chair of the Architectural & Building Engineering Technology Department at Vermont Technical College. Amy Patenaude is a Planning and Development Manager for Efficiency Vermont. Congratulations to the both of you.

The 2011 Nominating Committee was approved as the following: Tom Zoller of Trane, Steve Poole of Vermont Heating & Ventilating, Rob Favali of Dubois & King, Heather Smith of Efficiency Vermont, and Pete Bailey of Dodge Engineering & Controls. Thank you for volunteering.

This is a reminder to all; the Champlain Valley Chapter will be hosting the 2013 Region 1 Chapter Regional Conference (CRC). We have formed a committee chaired by Tom Zoller as our General Chair and Steve Poole as our Assistant Chair, to help plan for the event. The committee has held its kick off meeting and is looking for more volunteers. Please consider, the more volunteers we have the less work each individual has to commit to. If you are interested in becoming a committee member contact Tom Zoller or myself. Please find in the newsletter a list of 2013 CRC

Committee Chairs and their associated responsibilities.

One last reminder, we are now offering a display table outside our meeting room for all venders during out monthly meetings. The fee to do so will be \$100 and all money raised will be given to ASHRAE Research Promotion. Please contact myself for more information.

I hope to see all of you at our March meeting on Wednesday March 2nd.

Sincerely,
Shawn LaBelle
Chapter President

March 2nd @ The Hampton Inn, Exit 16 off I89

BOG Meeting 4:30 PM

Technical Session 6 PM: John Morris of Motivair - How to apply free cooling and heat recovery for energy savings on mission critical applications (data centers and medical equipment as example)

Dinner 7 PM

Main Presentation 8 PM: Mike Hayes of Smardt Chiller Group - Magnetic bearing compressors and chillers.

Meeting Cost

\$30/CVC \$35 Non-Members

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2010-2011 ASHRAE CVC MEETING CALENDAR

February 2011
Vol. 25 No. 7

September 1 st	October 6 th	November 3 rd	December 8 th	January 5 th
<p>The Essex</p> <p>BOG Meeting - 4:30 pm Presentation - 6:00 pm Dinner - 7:00 pm</p> <p>HVAC Seismic Restraints</p> <p>Part 1 - Codes and Standards</p> <p>Part 2 - Applications Steve Fey - Mason Industries</p>	<p>The Essex</p> <p>BOG Meeting - 4:30 pm Presentation - 6:00 pm Dinner - 7:00 pm</p> <p>Tech Session - Chilled Beams / Krueger</p> <p>Main Presentation - Vermont Commercial Building Energy Code</p> <p>Tim Guiterman, Navigant Consulting</p>	<p>The Essex</p> <p>BOG Meeting - 4:30 pm Presentation - 6:00 pm Dinner - 7:00 pm</p> <p>Membership Promotion and Joint Meeting with Vermont Green Building Network (VGBN)</p> <p>USGBC - Lisa Whited - LEED Accreditation, Training & Maintenance</p>	<p>Hampton Inn</p> <p>BOG Meeting - 4:30 pm Presentation - 6:00 pm Dinner - 7:00 pm</p>	<p>Hampton Inn</p> <p>BOG Meeting - 4:30 pm Presentation - 6:00 pm Dinner - 7:00 pm</p> <p>Joint Meeting with RSES</p> <p>Speakers</p> <p>Jerry Kelman (Rawal – APR Control Devices)</p> <p>Walt Joncas (Hy-Save Technology – refrigeration pumping)</p>
February 9 th	March 2 nd	April 6 th	May 4 th	June 1 st
<p>Hampton Inn</p> <p>BOG Meeting - 4:30 pm Presentation - 6:00 pm Dinner - 7:00 pm</p> <p>ASHRAE Distinguished Lecturer</p> <p>Chris Mathis presenting on:</p> <ol style="list-style-type: none"> Energy Efficient Window & Fenestration Technologies How Long Will It Last? – Addressing the Challenge of Sustainability 	<p>Hampton Inn</p> <p>BOG Meeting - 4:30 pm Presentation - 6:00 pm Dinner - 7:00 pm</p> <p>Presentations</p> <ol style="list-style-type: none"> John Morris of Motivair -Chiller water applications for data centers and critical environments Michael Hayes of Smardt - Magnetic levitated chiller compressor technology 	<p>Judd Gym at Vermont Technical College</p> <p>BOG Meeting - 4:30 pm</p> <p>Presentation - 6:00 pm ASHRAE Hot Topic Webinar: ANSI/ASHRAE/USGBC/IES Standard 189.1-2009, Standard for the Design of High Performance Green Buildings.</p> <p>Dinner - 7:00 pm</p> <p>Presentation 8pm - ASHRAE Student Design Project, Drake Well Museum located in Titusville, PA</p> <p>Meeting Sponsored by Vermont Technical College (VTC) Student Chapter</p>	<p>Location TBD</p> <p>Site Tour Location TBD</p>	<p>End of Year Special</p> <p>Location and Topic TBD</p>



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Technology Transfer

I would like to take this opportunity to thank all ASHRAE members who attended last month's meeting. Chris Mathis, our Distinguished Lecturer delivered two informative and enlightening presentations that were well received by the attendees.

March's program will feature two presentations on chilled water systems. The first presentation will be given by John Morris of Motivair on how to apply free cooling and heat recovery for energy savings on mission critical applications (data centers and medical equipment as examples). John will share with us how to efficiently cool a data center without sacrificing reliability, discuss new and innovative technologies to help keep pace with high density servers and how modern rack cooling systems can eliminate 'hot spots' and make your data center white space 'heat neutral'. He will also tell us how to reduce the 'carbon footprint' of data centers.

The second presentation will be given by Mike Hayes of the Smardt Chiller Group who will be discussing magnetic bearing compressors and chillers. Mike will tell us what a magnetic bearing compressor is, how it works and how they are applied to chiller technologies. He will inform us of the benefits of these systems especially in the areas of part load efficiency and low life cycle cost as well as their reliability, low noise and capability to provide redundancy in some cases.

Hope to see you all at March's meeting and to remind members that April's meeting will take place at VTC hosted by the ASHRAE student chapter.

Jan. BOG Meeting Minutes

Jan. 28th, 2011 BOG Meeting Minutes

Date: 1/28/11
Location: Trader Dukes
Time Called to Order: 12:01pm
Called to Order By: Shawn LaBelle, President.
Minutes Recorded By: Nathan Mascolino, Secretary

ATTENDANTS

Shawn LaBelle	Vermont Mechanical
Mike Cook	ARC Mechanical
Dick Wilcox	VHV
Tom Dacres	VHV
Nathan Mascolino	VHV
Ken Secor	KPS Consulting
Scott Alexander	LN Consulting
Sandy Laflamme	Efficiency Vermont

LAST MEETING MINUTES

Motion to approve Jan, 2011 meeting minutes was put forth by Scott A and seconded by Tom D, motion passed.

OFFICER REPORTS

President Report/Chapter Operations: Shawn Labelle

There was discussion on the new newsletter editor. The

board agreed that she was doing a fine job, and that we will continue to employ her.

There was discussion about adding photos from meetings into the news letter. Ken S volunteered to take some photos and send them to the newsletter editor.

Shawn would like to include tech articles in the news letter. He asked that if anyone has articles that they submit them. Articals can be sent directly to Shawn, and Shawn will send them to the editor.

Shawn asked if anyone had updates for the website. Sandy L is going to generate a web page for Research and promotion. She will run it by Shawn before passing it on to the administrator to upload.

Shawn asked that everyone update their PAOE points.

Shawn will present the ASHRAE CVC Engineer of the year, and Young Engineer of the year plaques at the Feb meeting. (providing Amy and Chris are in attendance)

There was discussion regarding our CVC logo going on the sponsor table at the Engineers week Banquet. Currently the CVC chapter does not have a logo. Ken S was going to work on a few options and plans on presenting them to the board before the next meeting. The board will vote on a logo to use.

Steve Poole will speak at the Engineers Week banquet,

as a representative of ASHRAE. ASHRAE CVC will pay for Steve's dinner at the banquet.

Shawn is going to send the ASHRAE scholarship application to the students at VTC and also post the application on the web site. ASHRAE will award two scholarships this year.

Chris R (the current ASHRAE CVC Young Engineer Of The Year) is unable to attend the Young Engineers in ASHRAE Leadership Weekend.

A motion was made (via email) by Sandy L, and seconded by Tom D to approve all food, travel and registration expenses not to exceed \$2,000 for Nathan Mascolino to attend the YEA leadership conference in Denver Colorado on April 1st-3rd. Motion passed.

Shawn got a report from Chris R confirming that the VTC student chapter received the check from CVC chapter, and that their trip to the ASHRAE show was a success. Shawn is going to request that the student chapter provides a write up about the trip in the CVC newsletter.

Shawn reported that the CRC committee is looking for additional members, and that Tom Z would make an announcement in an upcoming meeting.

There was discussion on the formation of the nominating committee for next years officers. The board reviewed the by-laws and the nominating committee should have been in place last month. Shawn will make nominations for (five members) the committee during the next meeting, and we will have a full chapter vote.

President Elect: Mike Cook

Mike reported that the distinguished lecturer will be coming for the Feb meeting, and Shawn confirmed that we had a room reserved for him at the Hampton.

Mike reported that the April meeting will be held at VTC, the student chapter will present on their ASHRAE project, and a recorded webinar will be shown on the topic of ASHRAE 189.1 High Performance Buildings.

Mike is looking into the possibility of a tour of the heritage flight facility for the May meeting. Mike will continue to keep us updated.

There was discussion regarding ideas for the June meeting. Another BBQ at switchback was suggested based on it's success last year. Mike will contact Gretchen and should have more info for the next meeting.

There was discussion regarding a thank you gift for the ASHRAE lecturer. Mike was going to find out if he had plans to stay in VT, and if he did we could possibly give him a gift certificate. A motion was made (via email) by Mike C for the CVC to purchase a gift of appreciation (from Dakin Farms) for Chris Mathis our distinguished speaker for February to not exceed \$100.00. The motion was seconded by Sandy L. Motion passed.

Tom D sent a press release announcing the ASHRAE distinguished lecturer, and all RSVP's will go to Ray.

Dick W, has taken recite of the projector, and the projector carry case. The total invoice was given to Ken S, and Nathan M will deliver the projector and case to Peter B at the next meeting. Peter B will be responsible for storage of the projector.

Vice President/Membership Chair Report: Tom Dacres

Tom announced that the Feb meeting will be a membership promotion night. ASHRAE will provide everyone in attendance (1) free beer. Any member who brings a non member will be given their dinner for half price. (Both the member, and non member will pay half price)

Treasurer Report: Ken Secor

Ken's full monthly report will appear in the newsletter

Secretary Report: Nathan Mascolino

Nathan had nothing to report

Resource Promotion: Sandy Laflamme

Sandy Laflamme passed along a spreadsheet showing that we are well ahead of our goal for the year for Research and promotion. We are currently at 120% of our goal.

History: Gretchen Langfeldt

Gretchen was not in attendance.

Reception: Ray Hickey

Ray had nothing to report.

Refrigeration: Peter Bailey

Peter was not in attendance

NEW BUSINESS

No new business.

MEETING ADJOURNED

Motion to adjourn made by Mike C, seconded by Dick W.
Meeting adjourned @ 1:21 PM

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

General Meeting Minutes

Date: 2/9/11
Location: The Hampton Inn
Minutes Recorded by: Nathan Masolino, Secretary
Attendance: 32

ATTENDANTS

Scott Alexander	LN Consulting
Jere Berger	Tcorp Inc
Pete Bailey	Dodge Engineering
Phil Bresnahan	Vermont Mechanical Inc.
Mike Cook	ARC Mechanical
Tom Dacres	Vermont Heating & Ventilating
Rob Favali	Dubois & King
Pete Gagon	Thomas Associates
Corey Griffiths	Vermont Mechanical Inc.
Todd Hallock	F.W.Webb
Ray Hickey	Advanced Comfort Systems
Jason Hudspath	Thermal Environmental Sales
Brice Kosnik	Basix Automatiom Integrators
Steve Kreigh	Mylan Technologies
Shawn LaBelle	Vermont Mechanical
Nathan Masocline	Vermont Heating & Ventilating
Rachael Masocline	Efficiency Vermont
Amy Patenaude	Efficiency Vermont
Steve Poole	Vermont Heating & Ventilating
Dan Reilly	Gourley Company
Chris Reilly	VTC Faculty
Bill Root	GWR Engineering
Brian Sexton	Technology Plus LLC
Ken Secor	KPS Consulting
Martha Soule	Vermont Heating & Ventilation
Mike Spasyk	Dubois & King
Glenn Thomas	Thomas Engineering
Harris Unger	Advanced Comfort Systems

Dick Wilcox	Vermont Heating & Ventilating
Tom Zoller	Trane
Clark Sweeney	Sweeney Refrigeration & HVAC Service
Chris Mathis	Distinguished Lecturer

GENERAL MEETING:

Chris Mathis, an ASHRAE distinguished Lecturer gave both the Tech Session, and the main presentation.

TECH SESSION:

Chris spoke about Energy efficient window and fenestration technologies.

MAIN PRESENTATION:

The main presentation was about addressing the challenge of sustainability. How long will it last?

During the main meeting Amy Patenaude made a motion to approve the 2011 nominating committee. The motion was seconded by Steve Kreigh. The 2011 nominating committee shall be Tom Zoller, Steve Poole, Rob Favali, Peter Bailey, and Heather Smith.

The Hampton Inn provided a nice facility and served a fine meal.

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



Amy Patenaude Award



Chris Reilly Award

March 2nd Speaker Bio

John Morris Biography

John attended and received his BSME from the University of Buffalo in 1998. He was EBS project manager and sales engineer for Gerster Trane of Buffalo, NY from 1998 to 2005. John is currently the regional sales manager for Motivair Corporation located in Buffalo, NY.

Student Activities Report

Student Activities Report

No Report.



CVC Banners

Treasurer's Report

As of today, February 11th, 2011, all bills are paid and our TD Bank checking account balance is \$15,972 - up from last month by \$782.

The new arrangement for advertising revenue from the newsletter is now earmarked for our scholarship fund. So anyone paying for advertising is not only getting an ad, but also helping fund scholarships!

The new digital projector continues to please. Thanks to Dick Wilcox for doing the legwork on finding a quality product and getting a good deal.

Again I want to thank Ray Hickey for all he does, collecting dinner-meeting funds, making name tags and keeping the Hampton reservation system head-count accurate.

Ken Secor, Treasurer

VTC ASHRAE Student Chapter 2010-2011



Resource Promotion

By Sandy LaFlamme

Thanks to everyone who has so generously contributed to ASHRAE Research and Resource Promotion. As I mentioned last month we have exceeded our goal for the year and are now working toward our \$7,237 Challenge Goal.

A warm thank you to the following investors:

ARC Mechanical Contractors, Inc.

M. Scott Alexander

Peter F. Bailey

Bonhag Associates PLLC

Michael R. Cook

Emily L. Cross

Thomas F. Dacres, Jr.

Brian J. Frary

General Electric Foundation – Matching Gifts Fund

Hill Phoenix Learning Center

Graham C. Hunter II, AIA

Shawn R. LaBelle

Sandra LaFlamme

Gretchen Langfeldt

Nathan Mascolino

Len Pattison

Ken Secor

Michael A. Spasyk, PE

Wayne J. Vanasse

Vermont Heating and Ventilating Company

Richard J. Wilcox

Thomas W. Zoller, PE

Any size donation is appreciated. You can either mail a check, payable to ASHRAE Research Promotion, to ASHRAE Research Promotion, 1791 Tullie Circle, Atlanta, GA 30329 or to Sandra LaFlamme, Efficiency Vermont, 255 South Champlain Street, Burlington, VT 05401. Our Chapter gets credit for your donation regardless of your method of donating. Here is the link for on-line donations: https://www.ashrae.org/aboutus/resource_promotion.asp. Thanks again! **Committee Chair Responsibilities**

CRC2013

*2013 Region 1 Chapter Regional Conference
Committee Chair Responsibilities*

1. CRC General Chair – Tom Zoller

- a. Guides chapter to hosting a successful CRC
- b. Interface with Region 1 DRC and Society
- c. Reports to Region 1 Executive Committee on progress
- d. Develops timeline and commits to key dates
- e. Attends CRC2012 in Boston to see what works and what does not.
- f. Sits in on CRC2013 meetings

2. CRC Vice Chair – Steve Poole

- a. Assists CRC General Chair
- b. Fills in for General Chair in emergencies

3. Reception/Registration/Attendance

- a. Coordinates check in table
- b. Staffs check in table and officer training sessions.
- c. Hands out welcome packages
- d. Keeps track of registrations from all chapters
- e. Creates and collects attendance sheets for all meetings during CRC

4. Finance

- a. Sets up and maintains CRC2013 Checking account.
- b. Helps General Chair create budget
- c. Collects payments from chapters and individuals
- d. Makes payments to CRC vendors (hotel, etc....)

5. Accommodations/Arrangements

- a. Main liaison with hotel
- b. Coordinates meals with hotel
- c. Helps coordinate Friday night dinner
- d. Confirms rooms are set up for each meeting

6. Publicity/Photos/Powerpoint for 2012 CRC Invitation

- a. Coordinates announcements in newspaper
- b. Takes photos of event (or hires photographer to do this)
- c. Creates Powerpoint presentation that can be shown at CRC2012 to give overview of and create excitement about CRC2013
- d. Creates CRC flyer (paper and electronic media) to publicize CRC to other Regions.

7. Transportation

- a. Coordinates bus transportation
- b. Coordinates picking up VIP guest from Region 1 and Society from Airport.

8. Social Functions/Hospitality Suite

- a. Helps coordinate Friday night dinner
- b. Stocks hospitality suite
- c. Makes sure that a CVC member is present when hospitality suite is open

9. Tech programs/tours

- a. Coordinates any tours
- b. Finds and coordinates two speakers for Thursday afternoon

10. Website

- a. Develops website for CRC2013 in conjunction with all chairs.
- b. Works with Publicity chair to post necessary information
- c. Works with others in society to adapt existing website technology for use on our website. (Online registration and payment)

11. Golf Outing

- a. Sets up golf outing for CRC attendees that are interested.

12. Sponsorship

- a. Contacts companies (local and regional) to sponsor CRC2013 in effort to offset costs.
- b. Creates recognition for sponsors

13. Secretary – Normally current CVC secretary

- a. Takes notes during CRC2013 business meetings.
- b. Works with CRC Chair to create CRC report which must be submitted to DRC within 45 after CRC.

14. Honorary Chair?

- a. Typically senior member of chapter that has had significant contributions to chapter or region in the past.
- b. Greet attendees and VIPs
- c. General Social functions.

Chapter Photos...

Photos taken by: Ken Secor



Mike Cook Announcement



DL Chris Mathis



Food Line



Ray Hickey Collecting Funds

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	(2010-11)
Membership Promotion	800	860
Student Activities	500	445
Technology Transfer	850	400
Research & Promotion	1050	715
History	200	0
Chapter Operations	500	455
Chapter TOTAL	3900	2875

2009-2010 BOARD OF GOVERNORS

Pete Bailey T: (802) 434-2278 Company: Dodge Engineering & Controls Inc pfbaily@deicontrols.com	Scott Alexander T: (802)655-7628
Sandy LaFlamme T: (888) 921-5990 x. 1097 Company: Efficiency Vermont slaflamme@veic.org	Dick Wilcox T: (802) 655-8805 Company: Vermont Heating @ Ventilation, Inc. dwilcox@vhv.com
Gretchen Langfeldt T: (802) 651-4114	

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Administrator	Matt Tanis T: (802)860-4888 x.1228 mtanis@hallam-ics.com

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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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