



# THE CHAMP

monthly newsletter

of the Champlain Valley Chapter of ASHRAE

## PRESIDENT'S MESSAGE



I put my snow tires on last week. That means we are not only on the verge of snow but that our winter meetings are upon us and we are well into our chapter year.

First on topic are our meetings. We have two really good meetings coming up for December and January. The December meeting is our annual ASHRAE Distinguished Lecturer series. This provides for us the opportunity to learn from experts in the field that have been approved by ASHRAE. We normally have only one per year so the opportunity is great and you should not miss it.

As you may know, our Chapter is 45 years old this year. Your Board has made the decision that we are going to make the January meeting our Past President's Night. This meeting will be the opportunity to express our appreciation to the group of individuals who over the years have donated their time and money to this Chapter (see inside the Newsletter for the list).

Also in December, I am currently working on trying to arrange a visit from our current ASHRAE President Tom Phoenix. I believe this would be a great opportunity to have both our current President and a Past President's Night under the same banner.

Additional articles in this month's newsletter that you should check out are by Tom Zoller with RP and Dick Wilcox on government. Our special note is Dick's comment on the forthcoming revisions

### ASHRAE CVC UPCOMING EVENTS

**CHAPTER MEETING, WED. DEC. 3RD  
5:00PM, HAMPTON INN, COLCHESTER**

**ASHRAE DISTINGUISHED LECTURER, R. VIJAYAKUMAR, PH.D. (Presentation: The Basics of Cleanroom Desing)**

Meeting Agenda:

- 5:00 Social hour
- 6:00 Chapter Business
- 6:15 Dinner
- 7:00 – 8:00 Presentation

**RSVP: <http://www.ashraevt.org/meeting-rsvp/>**

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# 2014-2015 ASHRAE CVC MEETING CALENDAR

NOV. 2014  
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MONTH	MONTHLY MEETINGS		MONTHLY MEETING LOCATION
	BOG	DINNER	
<b>2014</b>			
September	3-Sep	3-Sep	Hampton Inn, Colchester
October	1-Oct	1-Oct	Hampton Inn, Colchester
November	5-Nov	5-Nov	Hampton Inn, Colchester
December	3-Dec	3-Dec	Hampton Inn, Colchester
<b>2015</b>			
January	15-Jan	15-Jan	Visit from ASHRAE President Thomas Phoenix
February	2-Feb	2-Feb	February Lunch Meeting and Tour
March	4-Mar	4-Mar	Hampton Inn, Colchester
April	1-Apr	1-Apr	Hampton Inn, Colchester
May	6-May	6-May	Hampton Inn, Colchester
June	3-Jun	3-Jun	TBD



**Chuck Kabrehl**

V.P. Commercial Sales & Engineering  
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Visit [www.RJMurray.com](http://www.RJMurray.com) for product info, what's new and employment opportunities.

to our Commercial Building Energy Code in 2015 (sounds like a dinner topic for next year!)

Are you going to Chicago in January? Let me know as it will be good to see you there. Registration is open (<https://www.ashrae.org/membership-conferences/conferences/2015-ashrae-winter-conference>). I have my reservations all set and I am looking forward to it. It has been a few years since I attended one and always find the courses useful (not to mention the acres of walking).

Finally, thank you for your support and participation with our local Chapter. While December and January look good, the balance of the year is shaping up pretty good. I look forward to seeing you at the next meeting on December 3rd.

Rob Favali  
ASHRAE CVC President



## ASHRAE PRESIDENT TO VISIT ASHRAE CVC CHAPTER



**President Thomas Phoenix has accepted the Champlain Valley Chapter invitation to attend the Chapter Meeting in Burlington, Vermont on January 15, 2015!!!**



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Contact: Jodi Scott  
Public Relations  
678-539-1140  
[jscott@ashrae.org](mailto:jscott@ashrae.org)

Biographical Sketch  
Tom Phoenix  
2014-15, President ASHRAE

Thomas H. Phoenix, P.E., Fellow ASHRAE, ASHRAE-Certified Building Energy Assessment and Building Energy Modeling Professional, is principal and vice president, Moser Mayer Phoenix Associates,



Greensboro, N.C.

As ASHRAE's president, Phoenix chairs the Society's Board of Directors and Executive Committee. His presidential theme is "People, Passion and Performance."

"Thanks to our more than 50,000 members around the globe, ASHRAE is building a worldwide best practices network of innovative people and successful technologies to serve the built environment community. Our membership also has great passion – I see that in how much time and dedication our people give to helping write standards, develop research, guide in policy and procedure, etc. Together, our people plus their passion ensure performance – whether that's improving the performance of our great Society or improving the performance of building stock around the world. Our people, our passion and our performance will take ASHRAE to the next level."

Phoenix started his career in HVAC over 30 years ago as an engineer with the Division of Plant Operation of the North Carolina State Board of Education. After a few years he had an opportunity to enter the design and consulting field of the HVAC business and has been working in that discipline since then.

In 1989 Phoenix established the engineering department, and became a partner, in the architectural/engineering firm of Moser Mayer Phoenix Associates, PA. Phoenix's design portfolio includes schools, research and testing laboratories, industrial manufacturing facilities and numerous classroom, residence hall and food service projects for colleges and universities.

Significant projects in which Phoenix has been involved include the North Carolina Museum of History, the American Airlines Hub (Terminal C) at Raleigh Durham International Airport, the Greensboro Natural Science Center SciQuarium and Animal Discovery exhibit areas, the Atlantic Coast Conference Hall of Champions Exhibit Hall and the Newbridge Bank Baseball Stadium.

Phoenix previously served on the Board of Directors as president-elect, treasurer, vice president, a director-at-large and director and regional chair for Region IV.

He is a recipient of an Exceptional Service Award, a Presidential Award of Excellence, the Region IV Rudy Ferguson Award and a Regional Award of Merit.

He was awarded a Bachelor of Science in engineering operations from North Carolina State University.

ASHRAE, founded in 1894, is a global society advancing human well-being through sustainable technology for the built environment. The Society and its more than 50,000 members worldwide focus on building systems, energy efficiency, indoor air quality, refrigeration and sustainability. Through research, standards writing, publishing, certification and continuing education, ASHRAE shapes tomorrow's built environment today.

## TECHNOLOGY TRANSFER

Our December meeting will be our annual ASHRAE Distinguished Lecturer. Our DL for our meeting is R. Vijayakumar, Ph.D. is the founder and head of AERFIL ([www.aerfil.com](http://www.aerfil.com)) a consulting company devoted to providing technical and business solutions and services for the filtration and contamination control industry.

Mr. Vijayakumar has over 30 years' experience in the industry and has worked with companies in China, Brazil, and India. He is also an advisor to NASA for air filtration systems in zero gravity.

At our December meeting, he will be talking about the Basics of Cleanroom Design. In this lecture he will cover the essential concepts of air filters and their performance, good airflow management, and common room layout and design. This is a good refresher for those of us who have not done a clean room in recent months. If time permits he will also go into how to balance proper filter selection with energy usage. Keep an eye out for the meeting announcement later this month.

If you haven't done so already, please take a moment to fill out the evaluation survey for our November meeting.

As always if anyone has any interest in sitting on the committee, or if anyone has any input or suggestions for future meetings I invite you to get in touch with me. My email is [robw@vhv.com](mailto:robw@vhv.com) or I can be reached by phone at 802-861-6194.

Thanks and we hope to see you on December 3rd.

Rob Ward  
CTT Chair



R. VIJAYAKUMAR, Ph.D.  
President  
AERFIL, LLC,  
Liverpool, NY

Vijayakumar is the founder and head of AERFIL ([www.aerfil.com](http://www.aerfil.com)), a consulting company devoted to providing technical and business solutions and services for the filtration and contamination control industry as well as educational and training support for the industry. His current clients include major filtration companies in China, Brazil and India. With over 30 years' experience in leading filtration and particle test instrument companies to go with his PhD in particle technology; Vijayakumar is a globally recognized expert and mentor in contamination control and filtration sought after by clients worldwide. He is an advisor to NASA for air filtration systems for space habitat.

In keeping with his philosophy that knowledge grows only by sharing, he teaches freely and often wherever someone wants to learn the subject. He has been on the faculty of the short course on air and gas filtration at the University of Minnesota since its inception and is a Distinguished Visiting Professor at the Chinese Academy of Building Research. He has taught courses in cleanroom designs for ASHRAE, and is a Distinguished Lecturer for them lecturing around the world on various aspects of filtration and cleanroom designs. He has served as the President of the IEST, the premiere contamination control organization in the US. Currently, he chairs standards development committees at the ISO and in the US writing standards for high efficiency filters used in cleanrooms, hospitals, and indoor environments.

## GRASSROOTS GOVERNMENT AFFAIRS COMMITTEE RESEARCH PROMOTION

Last month our Committee reported on the procurement of lobbyist by the American Society of Civil Engineers (ASCE) related to the Masters or Equivalent (MOE) topic that is anticipated to be introduced at the upcoming State legislation session. Currently our committee has made arrangements to meet some of our local State representatives in order to provide information on ASHRAE's position on this topic as well as to obtain information on what may have been presented to them from the lobbyist. There will be much more to report on this in our next month's newsletter report.

December 2014 is the target adoption date for our new 2015 Vermont Commercial Building Energy Standard (CBES). Currently it is anticipated to be effective in March of 2015. If you have not been involved or attended the stakeholder input meetings, we recommend that you review the draft copy of the proposed new code as there are many changes that will be made to that of the 2011 CBES.

You can find the 2015 CBES draft at the following location: [http://publicservice.vermont.gov/sites/psd/files/Topics/Energy\\_Efficiency/code\\_update/CBES%20Stakeholder\\_BTV\\_2014-6-19.pdf](http://publicservice.vermont.gov/sites/psd/files/Topics/Energy_Efficiency/code_update/CBES%20Stakeholder_BTV_2014-6-19.pdf) OR go to the Vermont Public Service Department's web site [www.publicservice.vermont.gov](http://www.publicservice.vermont.gov) and under the "Energy Efficiency" topic where you can the CBES update. You will find information on post public hearing documents, pre-stakeholder meeting documents as well as the draft 2015 CBES information.

Dick Wilcox  
GGAC Chair

Congratulations to Mike Cook who won the raffle for 4th row seats for a UVM Hockey game! In all we raised \$635 directly from our November RP night from six donors and the 50/50 raffle.

We have now raised \$3,116 toward our goal of \$7,715.

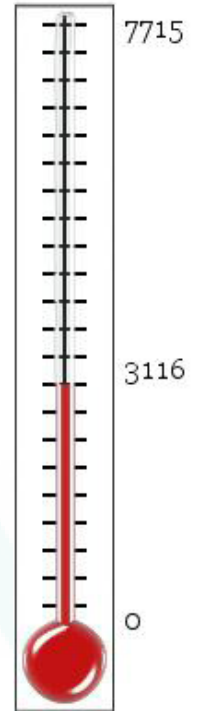
You can always donate online at [www.ashraerp.com](http://www.ashraerp.com). Click on the upper right "donate" icon and you will be taken to the donation page. All donations are 100% tax deductible and 100% of the donation goes to research.

As always, if you have any questions about ASHRAE Resource Promotion, contact me at [tzoller@trane.com](mailto:tzoller@trane.com).

### 2014-15 Honor Roll Donors:

- |                |                      |
|----------------|----------------------|
| Peter Tousley  | Rob Favali           |
| Blain Connor   | Peter Bailey         |
| Shawn Labelle  | Tom Zoller, PE       |
| Cody Lezak, PE | Jeremiah Trombly, PE |
| Dick Wilcox    | Nathan Mascolino, PE |
| Mike Cook      | Rachael Mascolino    |
| Rob Ward       | Josh Chiappone       |
| John Grout     | Martha Soule-Holden  |
| Ray Spears     | Greg Liebert         |

Tom Zoller, PE  
RP Chair



2014-2015 Progress

## TREASURE'S REPORT

As of November 14, 2014 our TD Bank account balance is \$15,115.43. All bills are paid up to date and our ASHRAE CVC account was reconciled 11/13/2014.

I am still working on getting out the invoices for the newsletter advertising. I will be sending out our 2014 - 2015 Newsletter advertising invoices to our supporting Companies that advertise in our monthly newsletter. We very much appreciate everyone's support as all monies that are collected, are directly used for our Scholarship Programs.

If you are not advertising in the Newsletter and would like to begin, please drop me an email.

If at any time, anyone has any questions regarding our chapters financial status please don't hesitate to contact me.

Peter Bailey  
ASHRAE CVC Treasurer 2014 - 2015

## STUDENT ACTIVITIES

### VTC Chapter

Committee Chair: Shawn LaBelle  
Student Chapter Advisor: Chris Reilly  
Student Chapter President: Courtney Hart

The student chapter is off to a strong start again this year. They have nominated and voted on chapter officers. The following are the 2014-2015 VTC Student Chapter Officers:

President – Courtney Hart  
Vice President – Kellen LaPerle  
Treasurer/Secretary – Nicholas Tibbets

Last meeting the students submitted to me a yearly



budget itemizing their expenses and fundraising goals for the year. This year the student chapter is sending 12 student members and Chapter Advisor Professor John Reilly to the 2015 ASHRAE Winter Conference. Any donations would be greatly appreciated.

As always the students are looking for a few tour ideas for this year's student chapter. If you know of any tours that would be of interest please contact Chris Reilly or me.

Thanks!  
Shawn LaBelle, P.E.



# ASHRAE FOUNDATION

SUPPORTING TOMORROW. TODAY



## Here Today, Here Tomorrow

### What is an endowment and why is it important to ASHRAE?

Don't think of an endowment as merely an investment account. Think of an endowment as a "Gift to the Future." ASHRAE Foundation's endowment insures that its donor's gifts will support the long-term continuity and sustainability of ASHRAE and the multiple initiatives supported by the Foundation. These gifts in the form of the endowments provide a permanent source of income to support the education, research, and public service missions of ASHRAE. These endowed gifts are managed for the long-term to strike a balance between the competing demands of funding current initiatives and preserving purchasing power to fund future operations.

The source of nearly all the Foundation's endowment has come from gifts from generous ASHRAE members with an eye on the future. Many of these donors restrict their gifts to a specific purpose such as scholarships for training engineers or other restrictions that reflect the donor's priorities. Some donors provide unrestricted gifts that enable the ASHRAE Foundation to provide support for future needs that may not be obvious today.

In the past, gifts placed in endowment were limited to distributing only their net income for charitable purposes. The law governing these gifts has been updated to allow investment managers to invest for total return instead of just income. That means the spending power of your gifts are strong and the principal can grow to meet future needs. Since its founding 20 years ago, the ASHRAE Foundation has annually authorized a 5% distribution to support the purposes of the various funds.

### Why do endowments matter to the average ASHRAE member?

Creating your Gift to the Future allows you to continue to give far into the future. Let's say you give an annual gift or \$1,000 to the RP campaign. If you establish an endowed fund, either now or from your estate, of \$20,000 your fund will continue to make a \$1,000 gift to support RP in perpetuity. Also, when your endowment fund grows in excess of its annual distribution, your principal increases and future distributions can grow as well

### How can I make a Gift to the Future?

Endowed funds can be established now so that you can create a fund to support an ASHRAE initiative of interest to you. All it takes is a simple agreement describing your intentions. The minimum amount for an endowed scholarship is \$100,000. The minimum for an RP endowment is \$3,000. You can also create an endowment as part of your estate plans or add to an existing endowed fund from part of the generosity of your estate.

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If you would like more information on how you can leave a legacy for the ASHRAE Foundation, please contact Margaret Smith at [msmith@ashrae.org](mailto:msmith@ashrae.org), tel: 678-539-1201.





## BOG MEETING MINUTES

### November 2014 BOG Meeting Minutes

Date: 11/05/2014

Location: Hampton Inn, Colchester, VT

Time Called to Order: 4:28

Called to Order By: Rob Favali

Minutes Recorded By: Blaine Conner

### ATTENDANTS

Nathan Mascolino	VHV
Rob Favali	Dubois & King
Rob Ward	VHV
Cody Lezak	VEIC
Tom Zoller	Trane
Blaine Conner	VMI
Mike Cook	ARC Mechanical

### LAST MEETING MINUTES

1. Nathan M. motioned to approve the meeting minutes as published. Cody L. seconded. Motion carried unanimously.

### OFFICER REPORTS

#### 1. Secretary - Blaine Conner

- a. No items to report

#### 2. Treasurer's Report - Peter Bailey (in absentia)

- a. Tabled until next month's meeting

#### 3. General Business - Rob Favali

- a. Newsletter came out late, Cara was moving and didn't have internet.

- b. It was suggested that Cara add a link to the most current newsletter on the ASHRAE CVC website homepage.

#### 4. Research Promotion - Tom Zoller

- a. We have met full circle and have received the PAOE points. We have almost made Full Circle Plus (one person left to complete the effort)
- b. Current points standings: 715 points; 1050 to make par.
- c. \$2,531 raised with a \$4,900 goal. There is an \$800 matching fund that is not factored in yet from Trane and GE.
- d. The 2,500 dollars that was not accepted last year will be forwarded to the Endowed Plan through the ASHRAE Foundation. The \$2,500 will be credited this year.
- e. Tom Z. informed the BOG of ASHRAE's high-five goal – target is to raise 5% above the highest amount raised before.

- f. Tom to distribute tickets tonight for the hockey game. All BOG members already have donated and are eligible to win.

#### 5. Chapter Programs - Rob Ward

- a. Tonight's speaker is George D. from Armstrong pumps. DL paperwork has been prepped.
- b. Rob F. spoke with Joe Furman to get the president of ASHRAE to come visit:
  - i. ASHRAE President has not committed yet.

ii. Rob F. would like to make it a past president's night either way.

c. It was suggested that ASHRAE-CVC invite VTC Seniors to present at past president's night

d. Nathan M. to provide Rob W. with Norwich contact info so that Rob can invite Norwich.

e. Rob W. asked if the length on the meetings has been an issue.

i. Reviews have not suggested that it is an issue yet.

ii. Strong content has made it seem worth it when they do run longer.

iii. Rob F. noted that people have been hanging out before and after, which may be another suggestion that it is not an issue.

f. Rob W. noted that February, March & May meetings will have the CEU's for PE's.

b. Also needs a card/invitation of some sort to be created – There have been active members in the past that have been skilled at this.

c. Hotel Contract:

i. Right now we are losing approximately \$300/meeting.

ii. For tonight's meeting, Steve Ballard has sponsored a table which lessens the loss but does not eliminate it.

iii. Rob F. received some pricing information from other local venues that could host the BOG meetings and the subsequent Chapter meeting.

iv. Three front runners are Hilton, Holiday Inn, and Hampton (current location).

v. Hilton - willing to do a plated meal. In the past, the plated meal has not been popular because there is less choice. It's typically been chicken as the protein.

**6. Membership - Josh Chiappone**

a. Chapter dues vs Members-Paying dues. It appears that only 26 of 150 have paid local dues. These dues go to ASHRAE National, and then National cuts a check and sends to the Treasurer.

b. There appears to be a disconnection between the reporting and who has paid. The ASHRAE report only shows through June 2014. If this is correct, we may be \$2,500 short.

1. The Hilton is affordable (we would break even).

2. Potential issues: Walk to bar, plated single meal. If we want to have a bartender in the room - it cost extra if his base rate is not covered by tips. You have to pay money for parking. Not convenient from the highway.

vi. Holiday Inn - May be buffet style dinner (choice of two entrees). 40 people max which may present issues unless they can be expanded to fit more. Tom Z. seems to remember that they have movable walls. All inclusive \$22.

**7. Grassroots Government - Dick Wilcox**

a. Tabled

**8. New Business**

a. Mike C. need the most updated contact list for past presidents.

vii. Hampton cost last month was \$1,366 for 37 dinners and two rooms (@ 300 each). Which is \$36.77/person for a \$30 dollar ticket (5 at student rate) which is a loss of \$300.

i. Some additional contacts may be on the mailing list

viii. To modify the rooms rate to \$200/room makes for about a \$31/plate cost. Hotel has new owners and the price will increase

## GENERAL MEETING

November 2014 General Meeting Minutes

Date: 11/05/13

Location: Hampton Inn, Colchester, VT

Minutes Recorded By: Cody Lezak, Secretary

### ATTENDANTS

Our November meeting was a presentation by George Denecke from Armstrong Fluid Technology on “Modern Developments in Integrated Pump Controls”. The presentation – which at times seemed to take a bit of a controversial edge – reviewed the latest in pump technology that integrates VFD’s with the pump and challenged our traditional concepts of system balance and control.

The list of attendees who gave George a run for his money were....

Ray Hickey	ACS
Thomas Anderson	Anderson Consulting LLC
Michael Cook	ARC Mechanical
Michael Van Horn	Control Technologies
Justin Webb	Control Technologies Inc.
Randy Mead	Control technologies, Inc.
Steve Dumas	DuBois & King Inc.
Thomas Paquet	DuBois & King Inc.
Mike Spasyk	DuBois & King Inc.
Rob Favali	DuBois & King Inc.
Jeremy Rathbun	DuBois & King Inc.
Jay Pilliod	Efficiency Vermont
MJ Poynter	Efficiency Vermont
Charlie Carpenter	Efficiency Vermont
Sandra LaFlamme	Efficiency Vermont
Howard Merson	Efficiency Vermont
Charlie Carpenter	Efficiency Vermont

significantly, closer to \$30/plate before add-ons.

ix. If we want to cancel on January 1 and switch, we would potentially have to pay \$2,600 dollars cancellation fees. Rob F. suggested that we speak to the membership tonight.

x. Nathan M. suggests that we see if switching to the plated meal might bring the cost to stay at the Hampton down – Rob F. to see if this is an option.

xi. Group to send a survey monkey to Membership to help steer a decision on location.

xii. Lunch meetings are cheaper - maybe it would be more convenient location. They have been done in the past with success. Lunch meetings may be able to offset the cost of the dinner meetings.

xiii. Tonight’s agenda: general introduction, Tom to do an RP piece, serve dinner, and then speaker.

xiv. We have 6 YEA members – this may equal additional PAOE points.

### **9. Motion to Adjourn:**

a. A motion was made by Mike C. to adjourn the meeting. It was seconded by Blaine C. Motions carried unanimously. The meeting adjourned at 5:30pm.

### **MEETING ADJOURNED**

A motion was made by Mike C. to adjourn the meeting. It was seconded by Blaine C. Motions carried unanimously. The meeting adjourned at 5:30pm.

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



- |                     |                           |
|---------------------|---------------------------|
| Dan Reilly          | Gourley Company           |
| Carmine DeFeo       | Guy DeFeo Company         |
| Chuck Rainville     | Hallam-ICS                |
| Gregory Liebert     | Liebert Engineering, Inc  |
| Steve Kreigh        | Mylan                     |
| William Moore       | PC Construction           |
| Gregory Cadieux     | Salem Engineering         |
| Jason Hudspath      | Thermal Environment Sales |
| Joseph Kazukenus    | Thermal Environment Sales |
| Tom Zoller          | Trane                     |
| Cody Lezak          | VEIC                      |
| Parker Hoblin       | VEIC                      |
| Ethan Bellavance    | VEIC                      |
| Blaine Conner       | Vermont Mechanical Inc.   |
| John Plankey        | Vermont Mechanical, Inc.  |
| Ray Keller          | VGS                       |
| Rob Ward            | VHV                       |
| Nathan Mascolino    | VHV                       |
| Martha Soule Holden | VHV                       |
| John Grout          | Victaulic                 |



The Pump Vendor's Table outside the dinner room.

As a follow-up to our October meeting, those of you who are looking for a copy of Nick's presentation will find it on our Chapter's website (<http://www.ashraevt.org> ).



## ASHRAE INTERPRETATION ON STANDARDS

Do you ever look for interpretations?

Do you know that there is a section on ASHRAE's website that offers interpretation on the Standards? Here is the description from the webpage:

A request for interpretation may be either 'official' or 'unofficial' (personal). An official interpretation is defined as a written explanation of the meaning of a specific provision of a standard or guideline, as determined by an existing cognizant Project Committee (PC) or an Interpretation Committee (IC), in response to a written request.

An unofficial or personal interpretation is a written explanation of the meaning of a specific provision of a standard or guideline, as determined by the Manager of Technical Services, the past or current Chair of the cognizant PC, or the Manager of Standards (MOS), in response to a written request.

Check it out...there are some interesting entries (<https://www.ashrae.org/standards-research--technology/standards-interpretations> ).

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## 2 Ways to Register

Internet: [www.ashrae.org/onlinecourses](http://www.ashrae.org/onlinecourses)  
 Phone: 1-800-527-4723 (U.S. and Canada) or 404-636-8400 (worldwide)  
 \$259 (ASHRAE Member: \$199) | Two-part courses: \$459 (ASHRAE Member: \$339)

NOTE: You may register up to 24 hours prior to an online course. Course times are in Eastern US Time

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... advertising/sponsors continued on page 16



## ASHRAE CHAMPLAIN VALLEY CHAPTER PAST PRESIDENTS RECOGNITION PAGE

Order	Society Year Served	Name	Order	Society Year Served	Name
1	1969-70	William Lotz, PE	24	1992-93	Richard J. Wilcox
2	1970-71	Robert Miller	25	1993-94	Jon A. Soter, PE
3	1971-72	Richard Bowler Jr., PE	26	1994-95	Leo Ioannou
4	1972-73	Robert Coughlin	27	1995-96	Michael A. Gallo, PE
5	1973-74	Don Johnson	28	1996-97	Steve Poole
6	1974-75	Gordon W. Root, Sr., PE	29	1997-98	Michael Rose
7	1975-76	Jack Couture, PE	30	1998-99	Leo Ioannou
8	1976-77	Giustino N. Mastro, PE	31	1999-2000	Ken Couture
9	1977-78	Neil Vallencourt, PE	32	2000-01	Peter Tousley
10	1978-79	William Moore, PE	33	2001-02	Russ Pratt, PE
11	1979-80	Oscar Blatchly, PE	34	2002-03	Amy (Cota) Patenaude, PE
12	1980-81	Stuart N. King	35	2003-04	David Anderson
13	1981-82	Andrew Rudin, PE	36	2004-05	Tom Zoller, PE
14	1982-83	Ted Meade, PE	37	2005-06	Bill Atkinson, PE
15	1983-84	William A. Fyfe, PE	38	2006-07	Jay Pilliod
16	1984-85	Edward Seraydarin	39	2007-08	Jerry Chabot, PE
17	1985-86	Roger M. Kerr	40	2008-09	Heather Condon
18	1986-87	Lois Root	41	2009-10	Peter F. Bailey
19	1987-88	Mike Poirer	42	2010-11	Shawn LaBelle, PE
20	1988-89	Thomas Wolfstitch	43	2011-12	Michael R. Cook
21	1989-90	Bernard J. Young	44	2012-13	Thomas F. Dacres, Jr.
22	1990-91	Edward E. Pearson, PE	45	2013-14	Nathan Mascolino, PE
23	1991-92	Gordon W. Root, Jr., PE	46	(Present)	Robert J. Favali



## GENERAL MEETING

### 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](http://www.ashrae.org) website and do a search for the 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	2014 - 2015
Membership Promotion	800	0
Student Activities	500	320
Technology Transfer	1050	125
Research & Promotion	1050	715
History	300	0
Grassroots Government Activities	650	0
Chapter Operations	1000	575
<b>Chapter TOTAL</b>	<b>5050</b>	<b>1735</b>

### 2014-2015 BOARD OF GOVERNORS

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