



# THE CHAMP

monthly newsletter

of the Champlain Valley Chapter of ASHRAE

## PRESIDENT'S MESSAGE



Summer in Vermont is here and I hope that everyone is enjoying it as much as I am. This is a beautiful time of year to be from this outstanding place.

The 2013-2014 ASHRAE year has concluded and I am happy to report that we had another great year. Our June trade show was a complete success. We raised a lot of money, the weather was perfect, the classes were great, and from my observations everyone had a good time. I would like to thank and recognize Rob Ward for his work as the trade show organization committee chair. We had around 200 people in attendance, and I believe that close to 100 hours of continuing education credits were awarded. Great Job Rob.

Although our monthly meetings have stopped for the summer the organization and 2014-2015 planning is well underway. We have some great speakers lined up for next year and a few possible facility tours. I feel really positive about our upcoming year. As September nears make sure to keep an eye on the website and facebook page for meeting updates, schedules and announcements.

As is the case with every summer the ASHRAE Region 1 CRC (chapters Regional Conference) will be held mid Aug. Because of a personal conflict I will be unable to attend, but Peter Bailey had volunteered

stand in, and will be making the trip with next year's chapter president Rob Favali. Rob will have a CRC report in the first newsletter of next year.

I would like to thank everyone who participated in the 2013-2014 ASHRAE year. I enjoyed my year as the chapter president. I am 100% confident that there are even better things to come for next year. Enjoy the summer I will see you all in Sep!

*Nathan Mascolino*

ASHRAE CVC PRESIDENT

## ASHRAE CVC UPCOMING EVENTS

**HAVE A HAPPY, FUN AND SAFE SUMMER,  
WE WILL SEE YOU IN SEPTEMBER!**

## IN THIS ISSUE:

President's Message.....	1
Technology Transfer.....	2
Grassroots Government Affairs Committee.....	2-3
Meeting Calendar 2013-2014.....	4
Building Operator Certification Course.....	5-6
BOG Meeting Minutes.....	7-8
Member Profile - Ray Hickey.....	9-12
Career Services through ASHRAE Jobs .....	13
2013 CRC Awards.....	14
2013 - 2014 Presidential Newsletter.....	15
POE.....	16
Chapter Contacts.....	16
Advertising/Sponsors.....	3,13,17-19

## TECHNOLOGY TRANSFER

June is here and we have reached the end of our ASHRAE CTTC year. It seems such a short time ago that I wrote the first Technology Transfer article. The year has passed and based on survey and comments received, most of the speakers and topics were well received. We started the year off with a follow-up presentation by past Chapter President Bill Root on his net zero home. From there we moved through presentations on VRF and ASHRAE 15; building pressurization control, deep energy savings for Labs; LEED v4.0 review; vibration and acoustics, and glycol energy recovery systems.

We also had a lunch time tour of the Aiken Center. This was our first lunch tour in a long time and I think we will be doing it again in the coming years. And finally we ended on a great note with the June outdoor trade show. This included the Greenheck AirTour Learning Center which is a 1,000 square foot tractor trailer-based classroom that allowed 20-plus participants to spend the day reviewing a series of Greenheck products and system applications.

I want to personally thank all the presenters and the companies represented this past year that donated both their time and expenses for the presentations.

This is my final Technology Transfer Newsletter for this year. Once again, thanks for your support and I hope to see you again in September.

*Rob J. Favali*

ASHRAE CVC TECHNOLOGY TRANSFER CHAIR

rfavali@dubois-king.com

## GRASSROOTS GOVERNMENT AFFAIRS COMMITTEE

Last month we reported that we would be contacting our local State Senators and Representatives to obtain information as to what might be brought forward at the next legislative session. Since the legislators were out of session, we anticipated that we could easily make contact with them. Unfortunately this has not proved to be the case. We have submitted many e-mails and voice mails, of which most have been unanswered. Of the responses that we have obtained, we have received general kickback e-mail notes indicating that they will be unavailable until after June 30. We will continue in our efforts and see if we can obtain any information for our members prior to the start of the next legislation session.


Earlier this year our committee reported on the change in submission requirements associated with ACT 250 Land Use permit application. Our report focused on Criterion section 9F "Energy Conservation" as it relates to submission requirements for a ComCheck report (see December 2013 newsletter GGAC report). Also, as part of Criterion 9F, there is a requirement that identifies that the project shall demonstrate that it incorporates the best available technology for energy efficiency. (see the following link for the ACT 250 application form Criterion: <http://www.nrb.state.vt.us/lup/publications/appform1.pdf>)

We contacted the State of Vermont Natural Resources Board (NRB) which is the governing body that is responsible for administration the ACT 250 Land Use Law. We spoke with Ron Shems; the Chair of the NRB, and asked if could expand on what information is anticipated to be submitted

with the application to satisfy the requirement for “best available technology”. He agreed that this is a rather vague requirement that has been set, and all information submitted on ACT 250 applications are currently being reviewed on a case by case basis. What Mr. Shems did offer is that the board is considering adoption of a “Stretch Code” to satisfy this requirement and that a change in the application form can be expected. Mr. Shems crystal ball indicates that this could happen by the end of the year.

Our Committee will keep close contact with the NRB and update our members as information becomes available. Until then.....have a great summer!! □

**Dick Wilcox**  
ASHRAE CVC GGAC CHAIR



**SIGN UP TODAY!**


EARN THE ESSENTIAL CREDENTIAL  
IN ENERGY EFFICIENCY

PROFESSIONAL TRAINING AND CERTIFICATION IN ENERGY EFFICIENCY SINCE 1996

Building Operator Certification (BOC®) is a professional credential in energy efficiency that employers across the country recognize and reward. Today, thousands of BOC-certified engineers and technicians are on the job, saving energy and money. Building operators reduce their annual utility costs by instituting energy conservation practices they learned through BOC training and certification.

**BERLIN, VT**  
**BOC LEVEL I SCHEDULE**

All classes are held from 8:00am to 3:00pm at VSBIT (Vermont School Boards Insurance Trust)



BOC 1001-A / Energy Efficient Operation of Building HVAC Systems .....	8/26/14
BOC 1001-B / Energy Efficient Operation of Building HVAC Systems .....	8/27/14
BOC 1002 / Measuring and Benchmarking Energy Performance .....	9/15/14
BOC 1003 / Efficient Lighting Fundamentals .....	9/16/14
BOC 1004 / HVAC Controls Fundamentals .....	10/8/14
BOC 1005 / Indoor Environmental Quality .....	10/9/14
BOC 1006 / Common Opportunities for Low-Cost Operational Improvement .....	11/5/14
BOC 1008 / Operation & Maintenance Practices for Sustainable Buildings .....	11/6/14

**REGISTER NOW FOR THE BERLIN BOC LEVEL I COURSE.**  
CLASS BEGINS ON TUESDAY, AUGUST 26, 2014.

LOOKING FOR MORE INFORMATION? Visit [theboc.info](http://theboc.info) or call 877.850.4793

JUNE 2014 Vol.28 No.10



**Chuck Kabrehl**

V.P. Commercial Sales & Engineering  
ckabrehl@rjmurray.com

**Dan O'Connor**

Commercial Sales Engineering  
doconnor@rjmurray.com

7 Northway Lane, Latham, NY 12110  
79 Holly Court, Williston, VT 05495  
**518-690-4455 518-690-4990 (f)**

Visit [www.RJMurray.com](http://www.RJMurray.com) for product info, what's new and employment opportunities.

# 2013-2014 ASHRAE CVC MEETING CALENDAR

JUNE 2014  
Vol. 28 No. 10

SEPTEMBER 5	OCTOBER 2	NOVEMBER 6	DECEMBER 4	JANUARY 8
<p>4:30pm   BOG Meeting @ Hampton Inn, Colchester</p> <p>6:00pm   General Meeting</p> <p>7:00pm   Dinner Break</p> <p>Meeting Presentation(s) / Topic(s)</p> <p>&gt;&gt; Bill Root, PE GWR Engineering "My NET ZERO Home – The Real Facts"</p>	<p>4:30pm   BOG Meeting @ Hampton Inn, Colchester</p> <p>5:00pm   Social Hour</p> <p>5:45pm   1st Presentation</p> <p>&gt;&gt; Len Damiano, (Ebtron) "Building Pressurization Control for Adequate IEQ"</p> <p>6:45pm   Dinner Break</p> <p>7:30pm   1st Presentation</p> <p>&gt;&gt; Len Damiano, "Demand Control Ventilation Strategies"</p> <p>Additional Information: Both Courses are USGBC accredited.</p>	<p>4:30pm   BOG Meeting @ Hampton Inn, Colchester</p> <p>6:00pm   General Meeting</p> <p>7:00pm   Dinner Break</p> <p>Meeting Presentation(s) / Topic(s)</p> <p>&gt;&gt; Trevor Gensch, Daikin "VRF Design Compliance with ASHRAE 15"</p> <p>Additional Information: RSES Joint Meeting MEMBERSHIP Promo Night</p>	<p>4:30pm   BOG Meeting @ Hampton Inn, Colchester</p> <p>6:00pm   General Meeting</p> <p>7:00pm   Dinner Break</p> <p>Meeting Presentation(s) / Topic(s)</p> <p>&gt;&gt; DL SPEAKER Gordon Sharp "Holistic Technologies &amp; Strategies for Deep Energy Reductions in Laboratories"</p>	<p>4:30pm   BOG Meeting @ Hampton Inn, Colchester</p> <p>6:00pm   General Meeting</p> <p>7:00pm   Dinner Break Meeting</p> <p>Meeting Presentation(s) / Topic(s)</p> <p>&gt;&gt; Jessie Robbins, AIA Freeman French Freeman "Update on LEED v.4.0"</p> <p>Additional Information: Holiday Mixer; Open Invitation to VT-AIA and VGBN Members</p>
FEBRUARY 7	MARCH 5	APRIL 2	MAY 7	JUN./JUL./AUG.
<p>4:30pm   BOG Meeting @ Hampton Inn, Colchester</p> <p>Meeting Presentation(s) / Topic(s)</p> <p>&gt;&gt; Facilities tour, University of Vermont AIKEN building Tour</p> <p>Additional Information: <b>LUNCH MEETING TIME TBD</b></p>	<p>4:30pm   BOG Meeting @ Hampton Inn, Colchester</p> <p>6:00pm   General Meeting</p> <p>7:00pm   Dinner Break</p> <p>Meeting Presentation(s) / Topic(s)</p> <p>&gt;&gt; Bruce Majer, BRD Noise &amp; Vibration Control "Acoustics 101"</p> <p>&gt;&gt; Bruce Majer "RTU Sound Attenuation"</p>	<p>4:30pm   BOG Meeting @ Hampton Inn, Colchester</p> <p>6:00pm   General Meeting</p> <p>7:00pm   Dinner Break</p> <p>Meeting Presentation(s) / Topic(s)</p> <p>&gt;&gt; VTC PRESENTATIONS</p>	<p>4:30pm   BOG Meeting @ Hampton Inn, Colchester</p> <p>6:00pm   General Meeting</p> <p>7:00pm   Dinner Break</p> <p>Meeting Presentation(s) / Topic(s)</p> <p>&gt;&gt; Jim Shiminski, DAC "Heat Pipe Energy Recovery Systems"</p> <p>&gt;&gt; Jim Shiminski, DAC "Pumped Glycol Energy Recovery Systems"</p> <p>Additional Information: MEMBERSHIP Promo Night</p>	<p><b>JUNE EVENTS</b> -Tail Gait</p> <p><b>JULY EVENTS</b> -TBD</p> <p><b>AUGUST EVENTS</b> -TBD</p>



# ENROLL TODAY

## SAVE ENERGY & MONEY TOMORROW



**BERLIN, VT**  
**BEGINS AUGUST 26, 2014**

**Building Operator Certification (BOC®)** helps building engineers, maintenance supervisors and others in the skilled trades advance their skills in energy efficient operation of commercial buildings.

Since 1996 BOC has advanced the performance of commercial buildings and the careers of building operators by providing a mix of classroom and hands-on training.

Enroll now to gain essential skills and a professional credential in energy efficient building maintenance. BOC training includes documentation of building equipment, systems and controls; benchmarking the building's performance; updating occupancy profiles; reviewing HVAC systems and operation; and mapping the facility's electrical distribution system.

**BOC Level I** training is for those with two or more years of experience in building operation and maintenance, who wish to broaden their knowledge of the total building system.

**BOC Level II** is primarily for operators who have been certified at BOC Level I and who want more advanced training.



### BERLIN, VT

#### BOC LEVEL I SCHEDULE

All classes are held from 8:00am to 3:00pm.

BOC 1001A / Energy Efficient Operation of Building HVAC Systems	8/26/14
BOC 1001B / Energy Efficient Operation of Building HVAC Systems	8/27/14
BOC 1002 / Measuring and Benchmarking Energy Performance	9/15/14
BOC 1003 / Efficient Lighting Fundamentals	9/15/14
BOC 1004 / HVAC Controls Fundamentals	10/8/14
BOC 1005 / Indoor Environmental Quality	10/9/14
BOC 1006 / Common Opportunities for Low-Cost Operational Improvements	11/5/14
BOC 1008 / Operations & Maintenance Practices for Sustainable Buildings	11/6/14

#### CERTIFICATION REQUIREMENTS

To earn the BOC credential, participants must successfully complete seven classes and assess five project assignments and submit a certification application to BOC.

#### COURSE LOCATION

VSBIT (Vermont School Boards Insurance Trust)

#### REGISTRATION FEE

Cost of course (Vermont customers only) \_\_\_\_\_ \$1,000\*

\* Participant must register and pay the appropriate registration fee shown below. After successful completion of course and certification, participant must submit tuition reimbursement form for appropriate reimbursement by sponsor. Form will be provided in class.

Standard Registration Fee \_\_\_\_\_ \$1,000

Additional Registration (from some facility in some training seminar) \_\_\_\_\_ \$1,395

#### REGISTRATION INFORMATION

The registration fee includes all classroom training fees, class handbooks, a project workbook, BOC newsletter and credential recognition materials. To register, complete the registration form on the reverse side and submit to the Northeast Energy Efficiency Council office.

#### 2014 BOC INFORMATIONAL WEBCAST SCHEDULE

To learn more about the BOC Program, register for a free informational webcast

**AUGUST 13 • SEPTEMBER 10**

11:30AM - 12:30PM (EST)

Sign up for the webcast at [www.theboc.info/ve](http://www.theboc.info/ve)

#### 2014 BOC TECHNICAL WEBINAR SCHEDULE

Expand your knowledge of building operations. Technical webinar participation can be used towards BOC credential maintenance.

**SEPT 24 • OCT 23**

2:00PM - 3:00PM (EST)

For topics and schedule visit [www.theboc.info/m-live-webinars](http://www.theboc.info/m-live-webinars)

#### SPONSORS & SUPPORTERS



# BERLIN, VT REGISTRATION FORM

**REGISTRATION DEADLINE: AUGUST 19, 2014**

To register for this BOC series, complete and submit this registration form or visit <http://theboc.info/ne> to register online. Please complete all that apply.

For Complete Course Descriptions go to:  
<http://www.theboc.info/h-course-descriptions.html>



**LEVEL I - BERLIN, VT**

- Standard Registration Fee ..... \$1,695\*  
(\* \$695 tuition reimbursement for VT customers after certification is earned)
- Additional Registrant ..... \$1,395\*  
(\* \$395 tuition reimbursement for VT customers after certification is earned)

**PAYMENT METHOD**

Credit Card Payment Method  Visa  MC  AMEX  Purchase Order  Check enclosed (payable to NEEC)

Card #:     -     -     Total \$: Card Exp. date: / Card CVV #

Credit Card Printed Name: \_\_\_\_\_ Signature: \_\_\_\_\_

Credit Card Billing Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_

**REGISTRANT'S INFORMATION**

Name: \_\_\_\_\_ Title: \_\_\_\_\_  Male  Female

Employer: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ E-mail: \_\_\_\_\_

Supervisor's Name: \_\_\_\_\_ Phone: \_\_\_\_\_

Supervisor's E-mail: \_\_\_\_\_ Facility Size (sq. ft.): \_\_\_\_\_

Is the BOC credential required by your employer?  Yes  No

**SEND REGISTRATION FORM & PAYMENT TO:**

BOC Program  
NEEC / 605 1st Ave., Suite 401,  
Seaside, WA 98104  
Fax: 206-292-4125 / Fax ID: 91-4578669

**QUESTIONS?**

PHONE: 1-877-852-4793  
E-MAIL: [BOCinfo@theBOC.info](mailto:BOCinfo@theBOC.info)  
WEBSITE: [www.theBOC.info](http://www.theBOC.info)

**REGISTRATION FEES SHOWN  
ARE VALID FOR THIS COURSE ONLY.**

**UTILITY COMPANY SERVING YOUR FACILITY**

(Check all that apply)  
 Efficiency Vermont  Burlington Electric  Vermont Gas  
 Other \_\_\_\_\_

**INDUSTRY SECTOR**

(Check one that applies)  
 College/University  Healthcare  Military  
 Government (federal)  Hospitality  Property Management  
 Government (state)  K-12 School  Retail  
 Government (city/county)  Manufacturing  
 Other (describe) \_\_\_\_\_

2013-2014 Board of Governors,  
Officers & Chairpersons



## BOG MEETING MINUTES

### JUNE 2014 BOG Meeting Minutes

Date: 6/11/2014  
 Location: Vermont Heating and Ventilating Office  
 Time Called to Order: 4:05pm  
 Called to Order By: Nathan Mascolino  
 Minutes Recorded By: Cody Lezak

### ATTENDANTS

Nathan Mascolino	VHV
Rob Favali	Dubois & King
Peter Bailey	Dodge Engineering & Controls
Rob Ward	VHV
Shawn Labelle	VHV
Mike Cook	ARC Mechanical
Rachael Mascolino	VEIC
Cody Lezak	VEIC

### LAST MEETING MINUTES

Rob Favali made a motion to approve the meeting minutes from May. Rachael Mascolino seconded the motion and the motion carried.

### OFFICER REPORTS

#### 1) President – Nathan Mascolino

a) Nathan reviewed the Tail Gate Trade show event that was held June 4th was a success. There were over 100 attendees at the event.

b) A discussion was held about how to allocate the proceeds from the event toward research promotion.

c) Rachael Mascolino made a motion to donate \$2999.72 to research promotion with the remaining proceeds from the June 2014 Tail Gate event to go to the general fund. The motion was seconded by Rob Favali. The motion was opened up for discussion with Rob Ward recommending that the allocations for research promotion be used to set up the RP Endowment Fund; with no more discussion Pete Bailey made a motion to vote and the motion passed with all in favor.

d) A general discussion was held about how to use the funds allocated for research promotion to set up the endowment. Rob Ward made a motion to have the chapter utilize \$2500 of the \$2999.72 allocated proceeds from the June 2014 Tailgate Gate event to set up the RP Endowment fund with the remaining \$499.72 to go directly to research promotion. Rachael Mascolino seconded the motion and the motion was opened up for discussion. There was no discussion and Shawn Labelle made a motion to move to vote and the motion passed with all in favor.

e) Nathan moved the discussion to the upcoming CRC. He noted that the estimated costs associated with sending Pete Bailey and Rob Favali to the CRC will be the following: registration is \$370 per person and \$159 per room per night for the hotel with the total cost being estimated at \$1060 to send both attendees. Rob Favali made a motion to approve funds not to exceed \$1500 to reimburse attendees of the 2014 CRC for expenses associated with attending the event. Mike Cook seconded the motion and motion was opened for discussion. There was a brief discussion to make sure there was enough confidence in the estimated expenses that the proposed funding will be adequate. With no more discussion, Rachael Mascolino made a motion to

vote and the motion passed with all in favor.

f) Starting June 15th Nathan noted that he will have access to the chapter rosters and will work with Tom Dacres to identify if any members qualify for any CRC awards.

g) Nathan reminded the board that July 15th is the last day to update PAOE points.

h) The YEA Leadership weekend September 5-7 in D.C. was discussed. Pete Bailey made a motion to set aside funds not to exceed \$1000 to send Cody Lezak to the YEA Leadership weekend being held in D.C. from September 5-7. Rachael Mascolino seconded the motion and the motion was opened for discussion. Rachael made a motion to move to vote and the motion passed with all in favor.

i) There was a general discussion held as to whether or not we should publish a June newsletter. Deciding that we will publish a June newsletter Nathan requested that newsletter articles be submitted by June 20th. Rachael asked the BOC training flyer be included in the June newsletter.

**2) Treasurer – Peter Bailey**

- a) Pete gave a financial update Chapter.
- b) The chapter audit will be discussed in detail at the next scheduled meeting.

**3) Research Promotion – Rob ward**

- a) Rob provided a brief update that the vendors are continuing to sign up for the expo on wheels event planned for June.
- b) RP funding was discussed and it was noted that we have currently raised more than we did last year at this point.

**OLD BUSINESS:**

None

**NEW BUSINESS:**

Nathan and Rob Favali recommended that we have a summer, non-voting, meeting to start to develop meeting topics for next year. It was decided that there will be a meeting held July 9th at 3:00pm.

b) Shawn Kelly has requested a meeting with the BOG to discuss the masters or equivalent topic. Rob Favali will communicate with him regarding this topic.

c) Rachael requested that the coordination of BOG meeting be shifted from the electronic communications chair to the secretary starting with the next meeting. All agreed to make this change.

**MEETING ADJOURNED**

A motion was made by Rob Favali to adjourn the meeting. It was seconded by Rachael Mascolino and the motion was carried. The meeting adjourned at 5:07 PM.

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





## Do You Know Ray Hickey! He Knows You.

*A Member Profile by Michael R. Cook, Chapter Historian 2014*

When you attend a Champlain Valley Chapter monthly meeting there is a person who greets and signs you in, gives you your badge and always attempts to strike up a conversation with you. His name is Ray Hickey! You could say he is the welcoming face of our small but dedicated chapter. So who is this gregarious, fun-poking, curiosity seeking person manning the reception table? Let's find out about this man who knows something about every person attending.



*Ray welcoming a member to CVC with Harris at his side*

Ray was born September 29, 1949 in Glens Falls, NY the fifth of six children raised by Bill and Harriet Hickey, the typical large family of rural America during the post WWII era. Glens Falls is a charming community in the Lake George region of the Adirondack park in upstate New York therefore Ray does not consider himself a “flat lander”. He spent many a day working in Lake George in his youth. He received his Regents Diploma from Glens Falls High School in 1966. His first paying job at age 14 was working at his brother-in-law fathers’ dairy in Warren County just 4 miles from home. This is where Ray’s interest in refrigeration began. Dobert’s dairy contained all types of refrigeration equipment including coolers, freezers, dispensers, chillers, refrigerated trucks and ice cream making units. Ray’s job was to assist a seasoned service technician in servicing, repairing and maintaining all the refrigeration equipment associated with dairy operations. At this time most refrigeration equipment used CFC refrigerants but he remembers being exposed to ammonia based system at the Borden’s plant. Working in the dairy cemented his lifelong interest in refrigeration as in his words “refrigeration is not boring”.

Upon graduation from high school he attended Hudson Valley Community College (HVCC) receiving an A.A.S. in Air Conditioning and Refrigeration. Ray transferred to California Polytechnic to enroll in their Mechanical Engineering Department majoring in Environmental Engineering which was really HVAC at that time and minored in Air Pollution Control and Chemistry, graduating with a Bachelor of Science in Engineering in 1971. He selected Cal Poly because it was one of very few schools offering a Mechanical Engineering program with a HVAC concentration. During the time Ray was admitted to the school, a new program in Pollution Control was being offered so he chose to minor in that discipline thinking that it would increase the variety of employment opportunities when he graduated as well as career flexibility.

While attending HVCC Ray met his wife, Marianne who shared an apartment in the same building in Troy where Ray had an apartment. They were married in 1968 at the same time he was transferring to Cal Poly. Just to make their young lives together more eventful Ray was drafted by the Marines in 1969 but was given a 1SC deferment until his graduation from college. Upon graduating from Cal Poly he was able to join the New York State National Guard, he was a member until he retired in 1995 but was placed on extended inactive service until 2007. His National Guard career carried him through the states of New York, Pennsylvania, and Ohio overlapping his citizen employment history with Sporlan Valve. He always assumed once he graduated from college that he would work for a large consulting engineering firm which was true of his first post college job working at Rist, Bright and Frost (RBF) in his home town Glens Falls, a multi-disciplinary firm (largely civil) of 300 people. He started out as a draftsman laying out and designing plumbing systems.

About one year into his employment at RBF the 1972 recession hit and since Ray was one of the last people hired; he was one of the first laid off. He took a transitional job designing hot water and hot air systems for high end designer homes for Northern Homes until he started working for William L. Jacobs & Sons, a manufacturer's representative for HVAC products. This was his first sales job which lasted two years when he was recruited by Sporlan Valve Company, a manufacturer of refrigeration components. He worked for Sporlan for 19 years with assignments all over the eastern United States including New York City, Philadelphia, Syracuse and Cincinnati calling on OEM's, wholesalers and contractors.

In 1989, the Hickey's gravitated back home to the Adirondacks, taking a position with R. L. Kistler another New York based HVAC products manufacturer's representative. In 2004 Ray began working for Advanced Comfort Systems (ACS) his current employer based in Ballston Spa, NY. ACS represents about 25 HVAC&R products several of which are one of a kind available through ACS only, allowing them to provide some unique energy solutions for their clients. They also carry some standard energy code compliant product lines for "value engineered" circumstances while their preference is to provide quality, energy efficient products requiring minimal maintenance with a long life cycle.

As stated earlier the Hickey's enjoy the Adirondack region, which is considered home for them and their seven children and thirteen grandchildren. Such a large family keeps Ray and Marianne quite busy and is quite a challenge getting them all together for family gatherings. The seven children were born in the various states where Ray was working at the time of their birth exhibited as follows, David (NY), Maria (Conn.), Christine (NY), Erin (PA.), Andrew (NY), Elizabeth (NY) and Daniel (Ohio) representing a 20 year

age gap between the oldest and youngest children. Ray mentions that their first grandson will be graduating from high school this June. The Hickey family is proud of his acceptance at SUNY Potsdam where he will be attending on a lacrosse scholarship.

Outside of keeping tabs on his large family, Ray enjoys playing golf (12 handicap) in the summer and curling in the winter.



*Recent Hickey family gathering ( L to R).*

*Dan, Andrew, David, Marianne, Ray, Maria, Lizz, Erin and Christine*

For many years Ray has been a member of the CVC chapter “Golf Committee” with John Grout and Harris Unger which is our chapter’s main event each year to raise funds for our chapter’s operating budget. In addition to helping to organize our annual golf tournament, he also participates on his company’s golf league, multiple business related tournaments and New York State Golf Association (NYSGA) amateur tournaments operated coincidentally by his son, Andrew. In the winter curling is his passion as he is a member of the Albany Curling Club and travels to Bonspiels (tournaments consisting of several games) throughout the area. Ray was introduced to curling by his twin sister who convinced him to join her mixed team, now he curls twice weekly. Curling is a sport played on a sheet of ice requiring much skill, strategy and good sportsmanship in placing your “stone” to a scoring position.

Ray has been involved with ASHRAE throughout his HVAC&R career since joining the Cal Poly student chapter in 1969 and has maintained a consistent membership except for a membership lapse in 1989 during one of his employment transitions however he re-joined in 1990 and has maintained his membership status continuously since. So for practical purposes he has been an ASHRAE member for 44 years (1969-2013) He currently maintains dual memberships, his primary home chapter is the Northeast Chapter based in Albany, NY and is a paid social member of our Champlain Valley Chapter (Vermont). Throughout the years Ray has

been elected or has served all officer and committee chair posts except the positions of President Elect and President. These appointments have involved the NYC Chapter, Philadelphia Chapter and Syracuse Chapter depending on where he resided throughout his professional career. In particular he has preferred serving the ‘committee chair’ positions including Research Chair three times. In addition to ASHRAE other trade associations he maintains memberships include RSES since 1974, AAE since 2004 and AFE from time to time.

Ray believes in ASHRAE and its programs especially its research activity in establishing the standards and guidelines for best practices and technological advances for our industry. He likes the fact our findings or standards are followed by other associated professions and adopted in codes. He understands that we must manage our natural resources and continue to develop more energy efficient and alternative energy sources to maintain our thermal comfort for our built environment in a sustainable fashion. He has become an advocate of energy efficient solutions and systems by acquiring more knowledge and sharing it through ASHRAE for the benefit of society. Over the years he has witnessed more energy efficient designs in both building and HVAC equipment and with ASHRAE progressively increasing the base efficiency of its standards such as ASHRAE Standard 90.1 2013 is 6% more efficient than the 2010 standard. ASHRAE has been good for our industry in pushing manufacturers to provide increasingly more energy efficient equipment, designers and builders to produce energy efficient buildings and assisting governments in updating building codes utilizing ASHRAE’s energy standards, He hopes that ASHRAE will continue to be aggressive toward energy efficiency into the future as technology and our knowledge develops.

For the immediate future Ray expects to continue attending ASHRAE events in New York and his role as welcoming committee “chair” for our chapter. He finds it refreshing and relaxing to visit Vermont and participate in ASHRAE CVC sponsored events as we “have a strong attitude towards ASHRAE and the people are great to work with”. Coming to Vermont once a month allows him to serve his business relationships in the area. He enjoys our camaraderie and spirit, it allows him to renew old acquaintances whom he has enjoyed working with throughout his northeast sales career and meet and get to know the new members. Vermont offers a different contrast to the Albany, New York area which has about 600,000 people while he states “Vermont as a state has 625,000 people and 628,000 cows” so it’s a completely different experience.

His wife, Marianne tells him he can’t retire as he is having too much fun trying to get people to accept new technologies that allow them to be more energy efficient. She will be retiring in four years so he might slow down then to spend more time visiting their children and grand- children in their various and warmer states like Virginia, Maryland, Colorado and California.

This article is a compilation of information from a combination of an email questionnaire, phone discussions and meetings with Ray Hickey in a time period of March 2014 to June 2014. Even though Ray has never served as a President of the CVC Chapter we acknowledge that he has and continues to contribute to its vitality through his continued membership, financial support through Advanced Comfort Systems, recommending meeting speakers and topics and readily providing assistance to the chapter Board of Governors. And finally he receives our appreciation for volunteering to be our chapters welcoming face each month.

## ASHRAE JOBS



Dear Chapter Webmaster:

ASHRAE partners with the job board service Bird Dog to promote employment opportunities for the ASHRAE community. This effort is called ASHRAE Jobs. The link to ASHRAE Jobs ([www.ashraejobs.com](http://www.ashraejobs.com)) can be found on the ASHRAE home page.

Forbes Magazine ranked engineer one of the 10 hardest jobs to fill in the US today. 4 of the top ten positions included engineer, skilled trades, technician and sales. Reasons for this vary, but emerging macro level trends include:

The Obama administration's pledge to rebuild America's energy grid, energy efficiency incentives and infrastructure is increasing the need for talented engineers.

There are far too few new college graduates in engineering to replace retiring engineers.

Employers don't want to hire two or three engineers with a variety of specialties. They want one engineer who is trained in several areas.

Today, employment specialists see successful

companies shifting their talent acquisition strategies from being reactive to an "always recruiting" proactive approach. Another trend is organizations recruiting for attitude and cultural fit and then training new hires to do the job.

Since ASHRAE migrated ASHRAE Jobs to reside in the BirdDog applicant tracking system (ATS), ASHRAEJobs is now a one-stop location where your employers can search for certain skill sets and demographics that they are "always looking for" and build a talent community.

My very best regards,  
 Bryan May  
 EVP of Business Development  
 BirdDog

## ADVERTISING / SPONSORS

**BLAKE**  
**EQUIPMENT**     *Solutions for Peak Performance*  
 The Blake Group

*Manufactures' representative and specialty distributor providing solutions that allow sustained use of water and thermal energy resources... For a better world.*

Boilers	Domestic Hot Water
Heat Recovery	Solar Thermal
Power Gen	Geothermal
Pumps	Water and Waste Water
Hydronics	Water Filtration

**Blake Equipment**  
 11 Thatcher Street  
 Albany, NY 12207  
 518-482-8833  
[www.blakeequip.com](http://www.blakeequip.com)

... advertising/sponsors continued on page 15



## 2013 CHAPTER REGIONAL CONFERENCE (CRC) AWARDS

Here are the (10) awards the Champlain Valley Chapter received at the 2013 CRC in Burlington, Vermont August 17, 2013 during the awards luncheon.

- ▶ Participation in Student Design Competition- “HVAC System Design Calculations”  
**Shawn Labelle** - Champlain Valley & Students of Vermont Technical College
- ▶ Participation in Student Design Competition- “HVAC System Selection”  
**Shawn Labelle** - Champlain Valley & Students of Vermont Technical College
- ▶ Outstanding Performance  
Champlain Valley Chapter, **Nathan Mascolino P.E.**
- ▶ Websitation of Excellence  
**Rachael Mascolino**, Champlain Valley, [www.ashraevt.org](http://www.ashraevt.org)
- ▶ Black Ink Award  
**Cara Gorman**, Champlain Valley, THE CHAMP
- ▶ High Honor Roll, Star, Special Citation  
**Tom Dacres** - Champlain Valley Chapter
- ▶ Chapter Service Award  
**Peter F. Bailey** - Champlain Valley Chapter  
**Shawn R. LaBelle** - Champlain Valley Chapter  
**Richard J. Wilcox** - Champlain Valley Chapter
- ▶ Golden Gavel Award - Outstanding (Best Overall) Chapter Performance  
**Thomas F. Dacres, Jr.** - President



Congratulations to the efforts of the entire 2012 – 2013 Champlain Valley Chapter team including Officers, Board of Governors, Committee Chairs and volunteers for a successful year!

## 2013-2014 PRESIDENTIAL NEWSLETTER

DATE: June 1, 2013

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

FROM: William P. Bahnfleth, PhD, PE



SUBJECT: PRESIDENTIAL AWARD OF EXCELLENCE (PAOE)

ASHRAE chapters are the backbone of the Society and play a central role in achieving its goals. Through our collective efforts, ASHRAE chapters are a vital, global driver of progress in building science and technology.

My Presidential theme, "Shaping the Next," focuses on the importance of goals, planning, and commitment to enable us to fulfill our responsibility to our world - making buildings safe, healthy, productive, comfortable environments in harmony with nature - by developing ourselves – the professional community and transforming our work – what we do, how we do it, and who we do it with.

The PAOE for the coming year reflects these points of emphasis. It also includes new section for Grassroots Government Activities, coinciding with the initiation of ASHRAE's new Grassroots Government Activities Committee (GGAC).

Highlights of new activities for which PAOE points will be awarded include:

75 points for establishing and updating annually a chapter long term strategic plan (minimum of 3 years) with goals for chapter growth, leadership, and financial stability.

100 points for a project that provides education and support for Indoor Air Quality (IAQ) in the professional community and/or Society at large

50 points for each chapter program on Indoor Air Quality/Environmental Health

50 points for each chapter program dealing with global issues

150 points for establishing and annually updating a list of government officials (at any level of government relevant to buildings, engineering or construction, including building officials, school system facility staff, state energy code officials, etc.) along with their contact information. In addition, translation of ASHRAE publications by Chapter members will now be given the same credit as authoring an article.

There are seven categories included in this year's PAOE: Chapter Operations, Chapter Technology Transfer, Grassroots Government Activities, Historical, Membership Promotion, Research Promotion, and Student Activities. To achieve PAOE, the chapter must earn the minimum points in five of the following six categories: Chapter Operations, Chapter Technology Transfer, Grassroots Government Activities, Membership Promotion, Research Promotion, and Student Activities. Please refer to the criteria specified in each of the categories for calculating the PAOE points. For additional information or clarification, consult the PAOE Frequently Asked Questions (FAQ) section on the ASHRAE website. Please note that appropriate documentation must be kept by the Chapter to support PAOE point input, and that "chair" is defined as the individual listed in the Chapter Information Questionnaire (CIQ) on file with Society.

I appreciate the dedication, enthusiasm and hard work you bring to improving our Society and providing value to our membership. I look forward to working with you during the coming year.

**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	2013 - 2014
Membership Promotion	800	0
Student Activities	500	656
Technology Transfer	1050	0
Research & Promotion	1050	640
History	300	75
Grassroots Government Activities	650	0
Chapter Operations	1000	1110
<b>Chapter TOTAL</b>	<b>5050</b>	<b>2481</b>

**GENERAL MEETING**

**2013-2014 BOARD OF GOVERNORS**

Joshua Chiappone T: 518-817-8669 <a href="mailto:joshua.j.chiappone@jci.com">joshua.j.chiappone@jci.com</a>	Shawn LaBelle T: 802-857-5011shawn. <a href="mailto:ShawnL@amivt.com">ShawnL@amivt.com</a>
Rachael Mascolino T: 802-540-7846 <a href="mailto:rmascolino@veic.org">rmascolino@veic.org</a>	Mike Cook T: 802-291-0911 <a href="mailto:mcook@arcmech.com">mcook@arcmech.com</a>
Dick Wilcox T: 802-655-8805 <a href="mailto:dwilcox@vhv.com">dwilcox@vhv.com</a>	Thomas Dacres, Jr., LEED AP BD+C 802- 655-8805 x 152 <a href="mailto:tomd@vhv.com">tomd@vhv.com</a>

**2013-2014 CHAPTER OFFICERS**

<b>President</b>	Nathan Mascolino, PE, LEED AP 802-861-6148   <a href="mailto:nathanm@vhv.com">nathanm@vhv.com</a>
<b>President-Elect</b>	Robert J. Favali, LEED Green Associate 802- 764-2704   <a href="mailto:rfavali@dubois-king.com">rfavali@dubois-king.com</a>
<b>Vice President</b>	Robert Ward III, LEED AP 802-861- 6194   <a href="mailto:robw@vhv.com">robw@vhv.com</a>
<b>Secretary</b>	Cody Lezak, PE 802-540- 7842   <a href="mailto:clezak@veic.org">clezak@veic.org</a>
<b>Treasurer</b>	Peter Bailey 802-434-2278   <a href="mailto:pfbaily@deicontrols.com">pfbaily@deicontrols.com</a>

**COMMITTEE CHAIRPERSONS**

<b>Student Activities</b>	Shawn LaBelle 802-857-5011   <a href="mailto:ShawnL@amivt.com">ShawnL@amivt.com</a>
<b>Membership</b>	Joshua Chiappone 518-817-8669   <a href="mailto:joshua.j.chiappone@jci.com">joshua.j.chiappone@jci.com</a>
<b>Research Promotion</b>	Robert Ward III, LEED AP 802- 861-6194   <a href="mailto:robw@vhv.com">robw@vhv.com</a>
<b>Technology Transfer</b>	Robert J. Favali, LEED Green Associate 802-764-2704   <a href="mailto:rfavali@dubois-king.com">rfavali@dubois-king.com</a>
<b>Refrigeration</b>	Peter Bailey 802-434-2278   <a href="mailto:pfbaily@deicontrols.com">pfbaily@deicontrols.com</a>
<b>Historian</b>	Mike Cook 802-291-0911   <a href="mailto:mcook@arcmech.com">mcook@arcmech.com</a>
<b>Electronic Communications</b>	Rachael Mascolino 802-540-7846   <a href="mailto:rmascolino@veic.org">rmascolino@veic.org</a>
<b>Newsletter Editor</b>	Cara Gorman <a href="mailto:cara@ashraevt.org">cara@ashraevt.org</a>

**Subscription to the newsletter and membership questions should be directed to Joshua Chiappone (518) 817-8669 or [joshua.j.chiappone@jci.com](mailto:joshua.j.chiappone@jci.com)**

Disclaimer Statement: Statements made in this publication are not expressions of the Society or of the Chapter and shall not be reproduced without special permission of the chapter.



Help your customers save on equipment costs today and energy costs for years to come.

*Contact us today to find out more.*



888-921-5990 | [www.encyvermont.com](http://www.encyvermont.com)

**Raymond M. Keller, P.E., CEM**

Energy Services Engineer  
LEED AP

**Vermont Gas Systems, Inc.**

P.O. Box 467, Burlington, VT 05402-0467  
85 Swift Street, So. Burlington, VT 05403  
Tel: 802-951-0389  
Fax: 802-863-8872  
rkeller@vermontgas.com



**Vermont Gas**  
CLEAN ENERGY. CLEAN AIR.

**ARC MECHANICAL CONTRACTORS**

**Brian Sager**

Vice President/Designer/LEED AP

802-222-9255

Bradford/Woodsville

603-444-3440

Littleton/St. Johnsbury

bsager@arcmech.com

[www.arcmech.com](http://www.arcmech.com)

603-443-6111

Lebanon/White River Jct.

603-256-8533

Keene/Brattleboro

Robert J. Favali, LEED Green Assoc.  
Director, Building Services



Consulting Engineers  
Since 1962

Office 802.878.7661

Cell 802.922.6909

E-mail rfavali@dubois-king.com

Website [www.dubois-king.com](http://www.dubois-king.com)

6 Green Tree Drive

South Burlington, Vermont 05403



**R. J. Murray Co., Inc.**

H.V.A.C. Wholesale Distributor

**Chuck Kabrehl**

Vice President, Commercial Sales

ckabrehl@rjmurray.com

Direct Line: 518-690-4974 x106

Cell: 518-281-2461

7 Northway Lane

Latham, NY 12110

Phone: 518-690-4455

Fax: 518-690-4990

*"Always A Better Value"*

*We Make Buildings...Great!*



ADVANCED COMFORT SYSTEMS

12B Commerce Drive  
Ballston Spa, NY 12020-3631

518-884-8444 ext 3402

518-884-8411 fax

518-701-4086 cell

rhickey@advancedcomfortsys.com  
[www.advancedcomfortsys.com](http://www.advancedcomfortsys.com)



Ray Hickey  
Sales Engineer



**Dodge Engineering & Controls, Inc.**

*Actuators, Control Valves, Dampers, Flow Sensors and Patented Hybrid Refrigeration Systems*

**Peter F. Bailey**

Northeast Regional Sales Manager

**Regional Office:**

13 East Main Street

Richmond, VT 05477

PFBailey@DEIControls.com

Website: DEIControls.com

Tel. (802) 434-2278

Fax (802) 434-4150

**Corporate Headquarters:**

Toll free (877) DEI-CTRL

Fax: (978) 244-1422



**Joshua Chiappone**

Systems Sales Engineer

Building Efficiency

116 Railroad Avenue, Albany, NY 12205 USA

Tel 518 451 2709 Cellular 518 817 8669

Fax 518 451 2701 joshua.j.chiappone@jci.com

[www.johnsoncontrols.com](http://www.johnsoncontrols.com)

Printed on material from well-managed forests and post-consumer fiber; manufactured chlorine-free.



**James D. LaVallee**  
*Director of Business Development*

**Direct** 802.264.1158      Jim.LaVallee@vtmechanical.com  
**Fax** 802.264.1109      [www.vtmechanical.com](http://www.vtmechanical.com)  
**Mobile** 802.324.3355



A Mechanical Company

**Thomas F. Dacres, Jr.** 16 Tigan St., Suite A, Winooski, VT 05404  
Design Engineer 802.655.8805 phone  
tomd@vhv.com ext. 152  
802.655.8809 fax



**Tom Zoller PE**  
*Account Manager*

175 Leroy Road  
Williston VT 05495  
TEL 802 864 3816 TOLL-FREE 888 277 1497  
FAX 802 864 5093  
tzoller@trane.com  
[www.trane.com](http://www.trane.com)

**Thomas Engineering Associates, PC**



**Glenn R Thomas**  
PE, CxA, LEED AP  
Principal

*HVAC, Plumbing, & Piping Systems Design  
Mechanical Systems Commissioning  
Complete MEP design available*

PO Box 1420 glenn@tea-vt.com  
4429 Main St Tel: 802-316-8888  
Waitsfield, VT 05673 [www.TEA-VT.com](http://www.TEA-VT.com) Cell: 802-343-4673

EST. 1970



**THERMAL ENVIRONMENT SALES, INC.**

11 SITTERLY ROAD • CLIFTON PARK • NEW YORK 12065

**ERIK J. BRUHNS** TEL (518) 373-1100  
VICE PRESIDENT FAX (518) 373-1800  
ENGINEERING SALES E-mail: ebruhns@teshvac.com



**Jerry Chabot**  
President & CEO  
PE LEED AP

t 802 652 0099  
f 802 434 6606  
m 802 233 3503  
jerry@engvt.com  
[www.engvt.com](http://www.engvt.com)

MANUFACTURER'S REPRESENTATIVE/DISTRIBUTOR  
OF HEATING, VENTILATING  
AND AIR CONDITIONING PRODUCTS

**JOHN P. WHITBREAD**  
*Sales Engineer*

**BUCKLEY ASSOCIATES, INC.**  
120 RAILROAD AVENUE  
ALBANY, NY 12205  
TEL. (518) 438-7423 • FAX (518) 438-5527  
INTERNET: buckleyonline.com



HANOVER, MA      NEWINGTON, CT      MANCHESTER, NH



**TECHNOLOGY PLUS**  
121 DRAHOS DRIVE  
ALBAMONT, NY 12009  
[WWW.TECHPLUSLLC.COM](http://WWW.TECHPLUSLLC.COM)

**BRIAN SEXTON**  
EMAIL: [BRIAN@TECHPLUSLLC.COM](mailto:BRIAN@TECHPLUSLLC.COM)

OFFICE 518-664-0012  
FAX 518-664-5378  
CELL 518-320-2733

**BOILERS • HYDRONICS • STEAM SPECIALTIES**

**Hallam/ICS** 38 Eastwood Dr., Suite 200  
So. Burlington, VT 05403

*Engineering  
Control Systems Integration  
Commissioning*

info@Hallam-ICS.com

TEL | 802.658.4891  
FAX | 802.658.1457  
TOLL FREE | 800.287.0800

www.Hallam-ICS.com

**James Harrington PE**  
Engineering Manager

P: 802-264-1232  
C: 802-238-1284  
jmharrington@neair.com

 **New England  
Air Systems**

**Complete Mechanical Systems & Service**

43 Krupp Drive PO Box 525 Williston Vermont 05495



**JOHN F. GROUT**

10 Benning Street, #168  
W. Lebanon, NH 03784  
Email: jgrout@victaulic.com

Cell: 508/878-9155  
Fax: 610/923-3464



**Dan Connelly**

5615 BUSINESS AVE. • CICERO, NY 13039

Direct (315) 458-2877  
Main (315) 458-2875  
Fax (315) 458-2187  
Mobile (315) 529-3371  
Email dconnelly@rlkistler.com  
www.rlkistler.com

- PRECISION AIR CONDITIONING
- PRECISION POWER CONDITIONING
- EMERGENCY GENERATORS
- HUMIDIFICATION / DEHUMIDIFICATION
- FUME HOOD CONTROLS
- GREEN HVAC PRODUCTS



**Alan E. Ouellet**  
*Executive Vice President*

15 Adams Street  
Burlington, MA 01803-4916  
Phone (781) 272-0060 X225  
Fax No. (781) 272-0227

Cell Phone (781) 254-2442  
E-MAIL aouellet@filtersales.com  
WEB SITE filtersales.com

FILTRATION SPECIALISTS



**R.F. Peck** CO., INC.  
22 COMPUTER DRIVE WEST  
ALBANY, NY 12205

Phone (518) 869-3541  
Fax (518) 869-5718  
Cell (518) 469-7072  
Email: mbronder@rfpeck.com

**Mike Bronder**  
Sales Engineer

Manufacturer's Representatives for  
Heating, Ventilating and Air Conditioning Equipment  
— Visit our Web Page @ www.rfpeck.com —

**LEN PATTISON**  
PRESIDENT



DIRECT: (802) 764-2223  
lpattison@controltechinc.com

**121 PARK AVENUE, SUITE 10, WILLISTON, VT 05495**  
Phone: (802) 764-2200 | Fax: (802) 764-2299