AMERICAN SOCIETY OF HEATING, REFRIGERATING, AND AIR CONDITIONAING ENGINEERS, INC.



PRESIDENT'S MESSAGE



Hello ASHRAE CVC members, I hope this newsletter finds everyone well and fully recovered from the year end events and Holiday season. This is a very busy and exciting time of year for ASHRAE

CVC activities.

Thanks to everyone who came out to the January meeting to see and hear Christopher McDonald, our ASHRAE Distinguished Lecturer for this year. Chris gave two very informative presentations on Legal issues with Indoor Air Quality and Mold and Document Management, How E-mails are used in Litigation. The latter talk was very interesting.

I would like to announce the Nominating Committee for the ASHRAE CVC 2013/14 year. They are: Nathan Mascolino, Tom Zoller, & Jay Pilliod. Please contact one of them if you are interested in becoming a part of the CVC team.

February's CVC meeting brings an excellent opportunity for building science education. Our friends at Efficiency Vermont are hosting the Better Buildings by Design conference at the Sheraton in Burlington on the 6th and 7th of Feb. Dan Harris P.E. from the

ASHRAE CVC UPCOMING EVENTS

February 2013 Monthly Meeting

When: Wednesday, February 6th

Where: The Hampton Inn, Colchester, VT

Schedule:

4:00PM BOG Meeting

5:00PM Social Hour Cash Bar **5:45PM** Buffet Dinner Served

6:30PM Main Presentation - Dan Harris P.E. from the New Buildings Institute. Efficiency strategies for rooftop units, both for new and existing construction will be the focus.

Special Guest: Joe Furman Region 1 DRC

7:30PM Meeting conclusion

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New Buildings Institute will be speaking at our CVC meeting on Feb. 6th and the BBD conference. His presentation to us will preview some of the research that New Buildings Institute has conducted in the way of commercial building energy efficiency for HVAC. Dan will concentrate on efficiency strategies for Rooftop units, both for new and existing construction. Don't miss this exciting meeting!

winner is Cody Lezak, PE. We sponsored Cody in the YEOY nomination to the State of VT. Unfortunately Cody did not win the State level award but we appreciate the efforts that he put forth in this process and congratulate him for reaching the nomination stage, and winning the ASHRAE CVC YEOY award! The winners of the YEOY and EOY awards will be announced at E-Week Banquet on February 22.

Joe Furman the ASHRAE Region 1 DRC is scheduled to attend our Feb meeting as well as meeting with the CRC committee (We are hosting the 2013 CRC in Burlington). So please come out show your support for your local ASHRAE Chapter.

Save the date - April 18th - Assessing Building Energy Performance: From Principles to Practice - FREE ASHRAE webcast hosted by CVC at Vermont Heating & Ventilating Co. in Winooski, VT. 1:00 PM to 4:00 PM - (I'm working on FREE lunch too).

I am pleased to announce the ASHRAE CVC Young Engineer of the Year (YEOY) award

- Tom Dacres





Chuck Kabrehl Dan O'Connor

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

Commercial Sales Engineering docomor@rjmurray.com

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2012-2013 ASHRAE CVC MEETING CALENDAR

September 5	October 3	November 7	December 5	January 9
4:30 pm: BOG Meeting @ Hampton	4:30 pm: BOG Meeting @ Hampton	4:00 pm: BOG Meeting @ Hampton	4:00 pm: BOG Meet- ing @ Hampton	4:30 pm: BOG Meeting @ Hampton
6:00 pm: Hydronic System Design & Boiler selection- Edward Sullivan (Weil McLain)	6:00 pm: Brattleboro Food co op - Andy Sapiro	5:00 pm: Social Hour - Membership Promotion Night 6:00 pm: ASHRAE CVC	5:00 pm: Social Hour - Holiday Mixer 6:00 pm: ASHRAE CVC Business	6:00 pm: Christopher M. McDonlad. IAQ & Mold: Legal Issues and
7:00 pm: Dinner @ Hampton	7:00 pm: Dinner @ Hampton	Business 6:30 pm: Dinner @ Hampton	6:30 pm: Dinner @ Hampton	Liability Concerns for Engineers & Related Industry Professionals
8:00 pm: Variable Speed pumping - Bill Reid Urell Inc	8:00 pm: 2012 Fire & Building Safety Code - Bob Patterson	7:15 pm: Richard Vehlow - Region 1 RVC MP Presentation	7:30 pm: Sustainable Presentation Joint meeting with VGBN/ AIA	7:00 pm: Dinner @ Hampton
		7:30 pm: Natural Gas in VT. VT Gas future plan/ Fracking-Facts		8:00 pm: ASHRAE Continuation of 6pm presentation
February 6	March 6	April 3	May 1	Aug 15-17
4:00 pm: BOG Meeting @ Hampton Inn 5:00 pm: Social Hour Cash Bar 5:45 pm: Buffet Dinner Served 6:30 pm: Main	4:00 pm: BOG Meeting - TBD 5:00 pm: GMCR Tour and/or Presentation - TBD 7:00 pm: Buffet Dinner Served @ Hampton Inn - TBD	BOG Meeting - TBD 5:00 pm: Vermont Technical College - Red School House Student Chapter Presentation on Winter Meeting Trip to Dallas, TX	5:30 pm: Tour + BBQ + MP night Meeting Theme: Tour of the Switchback Brewery new bottling line.	ASHRAE Region 1 Chapter Regional Conference (CRC) Hilton Hotel Burlington, VT
Presentation- Dan Harris P.E. from the New Buildings		Large pellet boiler and hopper Tour @ Red School House VTC Student ASHRAE Design Competition submission(s)		



Efficiency Vermont

BBD 2013

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TECHNOLOGY TRANSFER

Thank you to everyone who joined us on the 9th of January for the Christopher McDonald's presentation. Christopher has been an ASHRAE distinguished lecture for over 10 years and he gave us a good example of why. His presentation was eye opening and engaging to say the least.

Our January meeting was moved back a week because of the holidays and because of that the Feb meeting is fast approaching. As most everyone is probably aware the Efficiency Vermont Better Building by Design conference (BBD13) is scheduled for the 6th and 7th of February and I am sure that is going to be totally successful again this year. Our February meeting is on the 6th, and I am happy to announce that we will be hosting Dan Harris PE. Dan will be presenting at the BBD13 conference, on strategies for advancing the efficiency of HVAC

systems. The topic that Dan will discuss with us will be a supplement to the talk he will give at the conference, it will not be repeat. Dan will be the only speaker for our Feb meeting, and our aim will be to get everyone home early. The meeting will start at 5:00 with a cash bar, Dinner will be served at 5:45, and the main presentation will begin at 6:30. We will conclude the meeting at 7:30.

I hope that everyone is looking forward and has marked their calendars for our March meeting. On March 6th we will be doing a facility tour of the newly completed Green Mountain Coffee Roasters roasting and packaging plant in Essex Junction. This is going to be a meeting not to miss.

Stay warm and put some wax on your skis.

- Nathan Mascolino



STUDENT ACTIVITIES

VTC Chapter

Committee Chair: Shawn LaBelle Student Chapter Advisor: Chris Reilly Student Chapter President: Kristen Gulrajani

This year the Champlain Valley Chapter will be offering two scholarships again, the VTC ASHRAE Award and the Champlain Valley Past President's Memorial Scholarship. The VTC ASHRAE Award is given to a student that shows excellence in HVAC system design or who is active in ASHRAE at the student and local chapter levels. This student is selected by the faculty of the VTC Architectural & Building Engineering Technology department. The scholarship money is funded by all the proceeds from our newsletter advertisement. So a big thanks goes out to all who paid for an advertisement in the newsletter this year.

Just a reminder the 2013 ASHRAE Champlain Valley Past President Memorial Scholarship due date is February 28th, 2013. Please make sure to have those submitted to Shawn LaBelle or Tom Dacres either through mail or email by the due date. The application is posted on our new website.

Lastly I want to wish the group of students and Professor Chris Reilly a safe and enjoyable trip. They will be representing the VTC ASHRAE Student Chapter and the Champlain Valley Chapter of ASHRAE at the 2013 Winter ASHRAE Meeting in Dallas, Texas.

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 myself.

Thanks! Shawn LaBelle

MEMBERSHIP PROMOTION

As we move forward into the cold and snowy winter months, I hope everyone is taking some time to enjoy the great outdoor activities that come along with the hassles of snow blowing and shoveling. I would like to welcome 3 new members to our chapter, Joshua Irons, from MMIC Global, John Plankey from Vermont Mechanical Inc, and David Slade from Slade Engineering. With these new members, our current YTD New Member Count has climbed to 8. Please do your best to make them feel right at home by introducing yourself at the upcoming meeting this month. On the flip side, we still have 7 delinquent members. We will continue to work to shrink that number over the course of the next few months.

On another note, we rolled out our Membership Incentive Plan last month to help our initiative to grow the chapter. Although I was not able to attend the meeting last month, I hope there were a few extra guests in the audience that were invited along by our Members. If you did bring a guest along, please see me at this month's meeting to let me know so I can make note of it and give credit as it is due. Please continue to reach out and invite friends and contacts to our upcoming meetings.

As always, thanks for all the help and support to grow our great chapter.

See you at the meeting, Josh Chiappone Membership Promotion Chair

Leadership Quote of the Month

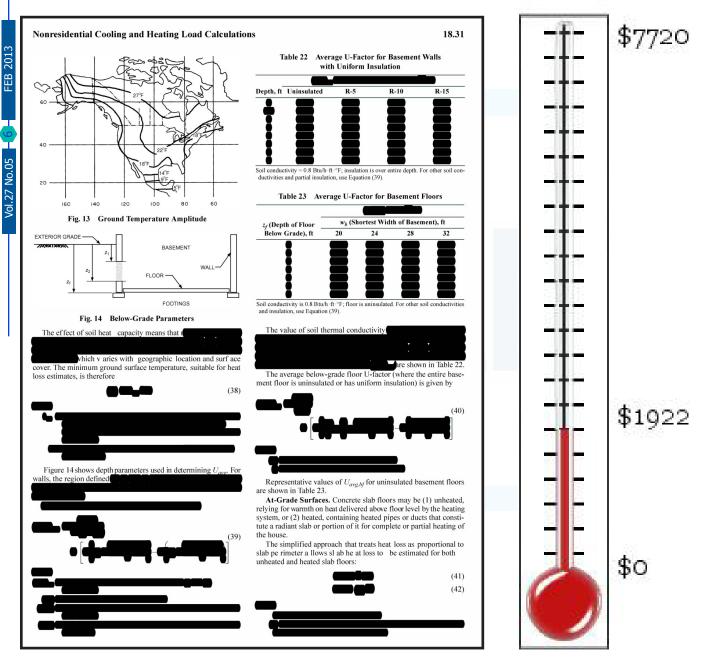
"Great minds discuss ideas; average minds discuss events; small minds discuss people."

~ Eleanor Roosevelt

RESEARCH PROMOTION

Attached is another small example of what ASHRAE would be without your donations to RP. Most of you are probably familiar with this section of the ASHRAE Fundamentals handbook. Here is what it would look like if the research information was redacted from this page.

2012-2013 Progress!!!



Thanks again to all of those that donated in 2012 and lets have another look forward to another great year for ASHRAE fund raising.

Rob Ward - RP Chair



August 15th thru 17 Region One Chapter Regional Conference



On August 15-17, 2013, the Champlain Valley Chapter of ASHRAE will be hosting the Region 1 Chapter Regional Conference (CRC). The Conference will be held at the Hilton Hotel, 60 Battery Street, Burlington Vermont and will include the Presidential Dinner at the Echo Leahy Center located on the Lake Champlain waterfront.

Our Chapter is currently seeking sponsorships from all members and vendors to defray the costs associated with the CRC in an effort to reduce the costs for attendees of this event. Typically 100-150 Region 1 ASHRAE Members along with spouses and families attend the CRC. With help from our sponsors, not only will we be able to reduce the costs for members who typically attend the CRC, but also make the registration costs attractive for other members who normally would not consider attending the CRC. Burlington and our surrounding area has so much to offer and our goal is to provide all attendees of the CRC a most rewarding and enjoyable experience!!

The sponsorship levels are noted below with each identifying the benefits for the sponsors:

Platinum Level Sponsor: \$5,000

- Name and logo on tent sign at each table at CVC ASHRAE meetings the entire year.
- Name and logo on signs at CRC2013
- Name and logo on CRC2013 and ASHRAE CVC websites
- Name on CRC2013 brochures
- Special thanks at CRC2013 events
- Two tickets to Friday dinner
- Two tickets to Saturday Awards lunch
- Two tickets to Golf outing
- Listing in 2012-13 CVC Newsletter for CRC sponsorship

Silver Level Sponsor: \$500

- Name on tent sign at each table at CVC ASHRAE meetings the entire year. (No logo)
- Name on signs at CRC2013 (No logo)
- Name on CRC2013 and ASHRAE CVC websites (No logo)
- Name on CRC2013 brochures
- Listing in 2012-13 CVC newsletter for CRC sponsorship
- Special thanks at awards lunch only

Gold Level Sponsor: \$2,500

- Name and logo on tent sign at each table at CVC ASHRAE meetings the entire year.
- Name and logo on signs at CRC2013
- Name and logo on CRC2013 and ASHRAE CVC websites
- Name on CRC2013 brochures
- Special thanks at CRC2013 events
- Listing in 2012-13 CVC Newsletter for CRC sponsorship

Bronze Sponsor: Min \$150

• List in Newsletter and webpage.

Please note that ASHRAE Region 1 is the largest Region in the Society and covers a geographical area of New England, New Jersey and New York with a total of (15) Chapters. This will provide and benefit our sponsors with the largest potential exposure over any other Region within ASHRAE (the larger the Sponsorship Level, the greater the exposure)!!!

If you're interested in helping us sponsor our events, please contact Bill Atkinson, Dick Wilcox or Tom Zoller and they can help finalize the corporate information and Ad setup as applicable. We look forward to hearing from you and sincerely hope you'll consider a sponsorship for this event. As always your donations are tax deductable, the ASHRAE Champlain Valley Chapter is a registered 501(c) (3) charitable organization.

Tom Zoller CRC 2013 Chairperson Tel. No.: 802-864-3816 (ext. 2) Email: TZoller@trane.com Bill Atkinson CRC 2013 Committee Member Tel. No.: (802) 264-1141 Email: Bill.Atkinson@VTMechanical.com Dick Wilcox CRC 2013 Committee Member Tel. No.: (802) 861-6181 Email: DWilcox@vhv.com.com





Thank you to the following companies for their generous sponsorship of the upcoming Region 1 Chapter Regional Conference – August 15-17, 2013 Burlington, VT

Platinum Level (\$5,000 minimum)





Gold Level (\$2,500 minimum)







Silver Level (\$500 minimum)

Vermont Heating and Ventilating Quality Air Control

Multistack Daikin AC Vermont Mechanical L.J. Early

F.W. Webb Yeaton Associates

Blake Group Hallam-ICS

Dubois and King, Inc. Acme Engineering Prod. Inc

Bronze Level (\$150 Minimum)

R.F. Peck Control Technologies

ARC Mechanical R.J. Murray

Advanced Comfort Systems

Vermont Product Partners











BOG MEETING MINUTES

January 9, 2013 BOG Meeting Minutes

Date: 01/09/2013

Location: Hampton Inn, Colchester VT

Time Called to Order: 4:15pm Called to Order By: Tom Dacres

Minutes Recorded By: Rob Ward, Secretary

ATTENDANTS

Tom Dacres VHV Nathan Mascolino VHV

Robert J. Favali DuBois & King, Inc

Rob Ward VHV
Tom Zoller Trane
Dick Wilcox VHV

Peter Bailey Dodge Engineering and Controls

Mike Cook ARC Mechanical

LAST MEETING MINUTES

A motion was made by Mike C. to approve November 2012 Meeting Minutes. It was seconded by Peter B. and the motion was carried.

OFFICER REPORTS

A.) PRESIDENT: TOM DACRES

- a) Tom its working on completing the documents required for the ASHRAE State registration.
- b) A meeting for the CRC is scheduled for 01/10/13.
- c) Tom passed out a report showing where we stand as far as PAOE points and asked that all officer make sure that their reports are up to date.
- d) Newsletters articles are due by 01/18/13.

- e) Tom is still looking for volunteers for the ASHRAE Presidential Theme. Steve Poole will be doing the initial site visit.
- f) There was a brief discussion about the nominating committee. Nathan M will be on the committee and Tom Zoller will be the chair.
- g) A letter to U.S. Rep. Peter Welch was passed around and signed by all the Chairs and members of the BOG. The letter is congratulating him on Co-Chairing the High Performance Buildings Congressional Caucus. A copy of the signed letter from the chapter will be mailed to both his Vermont and Washington DC offices.

B.) PRESIDENT ELECT: NATHAN MASCOLINO – CTTC CHAIR

a) Nathan stated that the February meeting will have a single speaker. There was a general discussion on how to increase the attendance for this meeting because it competes with the Better Buildings By Design conference in Burlington every year.

C.) VICE PRESIDENT: ROB FAVALI

a) Nothing new to report

D.) TREASURER - PETER BAILEY

- a) Invoices are still coming in from ad sponsorships.
- b) Nathan M. noted that the room fees for the DL would be added to the bill for the meeting.

E.) CHAPTER SECRETARY: ROB WARD – RESEARCH PROMOTION CHAIR

a) Nothing new to report.

F.) HISTORY: MIKE COOK

a) Mike started his submission for Gold Ribbon

G.) REFRIGERATION: PETER BAILEY

a) Peter indicated the he would like to hold the Hill Phoenix training class in late March of 2013. He is working with Hill Phoenix to finalize a date.

H.) ELECTRONICS COMMUNICATION CHAIR: RACHAEL MASCOLINO

a) Nothing new to report

I.) MEMBERSHIP PROMOTION CHAIR: JOSHUA CHIAPPONE

a) Nothing new to report

J.) STUDENT ACTIVITIES - SHAWN LABELLE

- a) Scholarships applications are due by February 8th
- b) Tom D. put a copy of the application no our website
- c) The students have purchased their tickets for the winter meeting
- d) The meeting at VTC is the spring will include a summary of the trip.

K.) YEA COMMITTEE: SHAWN L., RACHAEL M., JOSH C.

a) Jared Kershaw will not be chairing this committee

OLD BUSINESS:

None

NEW BUSINESS:

None

MEETING ADJOURNED

A motion was made by Tom Dacres to adjourn the meeting. It was seconded by Dick Wilcox and the motion was carried. The meeting adjourned @ 5:25 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

January 9. 2013 General Meeting Minutes

Date: 01/09/13

Location: Hampton Inn, Colchester VT Minutes Recorded By: Rob Ward, Secretary

ATTENDANTS

Tom Dacres

Vermont Heating and Ventilating

Nathan Mascolino

Vermont Heating and Ventilating

Robert J. Favali

Rob Ward

Vermont Heating and Ventilating

Vermont Heating and Ventilating

Vermont Heating and Ventilating

Tom Zoller Trane
Peter Bailey Dodge Engineering

Jay Pilliod Efficiency Vermont

Ray Hickey Advanced Comfort Systems
Harris Unger Advanced Comfort Systems

Scott Harrington Vermont Gas

Jason Hudspath Thermal Environmental Sales
Joseph Kazukenus Thermal Environmental Sales

Randy Mead Control Technologies
Natascha DeGiule The Black Group

Ray Keller Vt Gas

Corey Griffiths

John Plankey

Vermont Mechanical Inc

Vermont Mechanical Inc

Vermont Mechanical Inc

Vermont Mechanical Inc

Charles Veronneau

Control Technologies

harles Veronneau Control Technologies

Steve Poole Vermont Heating and Ventilating

James LaVallee Vermont Mechanical Inc

Ray Spears Trane

27 No.05 -1



Nigel Churchill Vermont Heating and Ventilating
Glenn Thomas Thomas Engineering Associates

Scott Sabol VTC

Ben Basiliere Vermont Heating and Ventilating

Steve Kreigh Mylan Technologies

Marty Freeman Atmos Air Linden Witherell EH Slaw

Jared Kershaw Vermont Heating and Ventilating

Michael Cook ARC

Tom Anderson Cx Associates

Christopher McDonald Shook, Hardy & Bacn L.L.P.

Tyler Savage G.W.Savage

Len Pattison Control Technologies

Bill Gregory L.J. Early
Trevor Diench Daikin

The meeting was started with addressing the attendees and introduced the guest speaker and ASHRAE Distinguished Lecturer Christopher McDonald, ESQ of Shook, Hardy, & Bacon L.L.P. Harris Unger continued the meeting by introducing the first presenter.

TECH SESSION

For the technical presentation Chris spoke about "Indoor Air Quality and Mold: Legal Issued and Liability Concerns for Engineers and Related Industry Professionals"

----Break for dinner----

MAIN PRESENTATION

For the main presentation Chris spoke about "Document Management and Discovery"

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

TREASURE'S REPORT

Working on computer issues and will have a more detailed report for next month.

To date our accounts have been reconciled and all bills have been paid.

I transferred \$1,000.00 from our CRC 2013 fund and paid back our start-up money that our CVC chapter loaned in order to establish the CRC 2013 account.

We also received Trane's Sponsorship of \$5,000.00 - our first Platinum level donation, thanks to Tom Zoller

Peter Bailey
ASHRAE CVC Treasurer
2012 - 2013

SAVE THE DATE: BBD 2013

Better Buildings by Design: February 6-7, 2013 at the Sheraton Conference Center in Burlington, VT. A number of workshops will feature HVAC, including a session on rooftop unit optimization and the RTU challenge by the New Buildings Institute. NBI will also present at the ASHRAE meeting on February 6.

BBD 2013 is currently seeking exhibitors and sponsors. Don't miss the chance to reach more than 1000 building and design professionals interested in the latest innovations. For more information on sponsoring the event or reserving exhibit space, visit www.efficiencyvermont.com/conference

Registration to attend BBD begins in December 2012.

ASHRAE ANNOUNCES CALL FOR PAPERS FOR 2014 WINTER CONFERENCE, JANUARY 18-22, NY, NY

For Release: Jan. 22, 2013

Contact: Jodi Scott Public Relations

678-539-1140 | jscott@ashrae.org

Focuses on Tall Building Performance
ASHRAE Announces Call for Papers for 2014
Winter Conference, January 18-22, NY, NY

ATLANTA - ASHRAE has announced a call for papers for its 2014 Winter Conference in New York, New York, Jan. 18-22.

The Conference has a building-oriented theme and seeks papers on building information systems; environmental health; international design; HVAC&R applications and systems; and, featured for this Conference, tall building performance.

The Tall Buildings: Performance Meets Policy track focuses on the performance of tall buildings or political challenges and opportunities in the design, development and operation of tall and super-tall buildings. Papers are sought on the measured and measurable use of utilities, envelope (infiltration and exfiltration), building pressure, waste handling, elevators, carbon and adaptive reuse.

Building performance is addressed in three other tracks:

* The Building Information Systems track investigates how building control technologies

are integrated and used for building management, operation and efficiency.

- * The Hydronic System Design track addresses innovative hydronic system design, components and research and caste studies of their application, including unintended consequences.
- * The Building Performance and Commissioning track seeks case studies in achieving high efficiency buildings.

The International Design track addresses new and innovative design strategies to meet various environmental elements, geography and cultures and seeks papers to share this information internationally.

The Environmental Health through Indoor Environmental Quality track seek papers on developing, evaluating and predicting optimal indoor environmental conditions, especially as they pertain to environmental health. A subsection of this track includes case histories, lessons learned and advice to operators and designers about IEQ and disaster recovery in buildings affected by hurricanes and floods.

As with past ASHRAE conferences, the New York Conference seeks papers addressing the core HVAC&R Systems and Equipment and Fundamentals and Applications advances and practices.

ASHRAE offers two types of paper submissions:

* Conference Paper Abstracts due March 15, 2013. Upon acceptance, papers will be due July 2, 2013. These "final" papers undergo a single-blind review, are submitted as a PDF and have an eight single-spaced page maximum length.

FEB 2

Vol.27 No.05

* Full Technical Papers due April 19, 2013. Papers submitted for review must be both technically accurate and clearly written. These papers undergo a rigorous double-blind review and can be a maximum of 30 double-spaced pages.

To submit a Conference paper abstract or a technical paper and for more information about the tracks, go to www.ashrae.org/newyork.

Held in conjunction with the 2014 Winter Conference is the International Air-Conditioning, Heating, Refrigerating Exposition, Jan. 21-23, 2014, which is expected to attract more than 40,000 visitors and

ASHRAE PUBLISHES REVISED FILTRATION STANDARD; COMBINES **STANDARD 52.1 AND 52.2**

For Release: Jan. 23, 2013

Contact: Jodi Scott **Public Relations**

678-539-1140 | jscott@ashrae.org

ASHRAE Publishes Revised Filtration Standard; Combines Standard 52.1 and 52.2

ATLANTA - A newly revised filtration standard from ASHRAE combines two standards setting the path to improve the technical accuracy of filter testing.

ANSI/ASHRAE Standard 52.2-2012, Method of Testing General Ventilation Air-Cleaning Devices for Removal Efficiency by Particle Size, establishes a test procedure for evaluating the performance of air-cleaning devices as a function of particle size. The publication marks the first time Standard 52.2

has been published combining Standard 52.1, Gravimetric and Dust Spot Procedures for Testing Air Cleaning Devices Used in General Ventilation for Removing Particulate Matter.

"Combining the two standards provides a clean slate to begin significant changes regarding making the method much more technically accurate," Robert Burkhead, chair of the Standard 52.2 committee, said. "Specifically, we have plans in motion \(\geqrightarrow\) to change the MERV (minimum efficiency reporting value) table ranges, narrow the ambient conditions allowed and further refine the instrumentation specifications - all in an effort to reduce the variability of the data product from the standard."

Standard 52.2 now incorporates the Standard 52.1 sections on arrestance and dust-holding capacity; and also adds a new informative appendix, Appendix J, that provides an optional method of conditioning a filter using fine potassium chloride particles to demonstrate efficiency loss that might be realized in field applications.

The standard addresses three air-cleaner performance characteristics of importance to users: the ability of the device to remove particles from the airstream, the total dust holding capacity with arrestance (weight efficiency) and its resistance to airflow, according to Burkhead

The cost of ANSI/ASHRAE Standard 52.2-2012, Method of Testing General Ventilation Air-Cleaning Devices for Removal Efficiency by Particle Size, is \$54 (\$46 ASHRAE members).

To order, contact ASHRAE Customer Contact Center at 1-800-527-4723 (United States and Canada) or 404-636-8400 (worldwide), fax 678-539-2129, or visit www.ashrae.org/bookstore.

PROPOSED ASHRAE STANDARD ON PREVENTION OF LEGIONELLOSIS OPEN FOR THIRD PUBLIC

For Release: Jan. 25, 2013

Contact: Jodi Scott Public Relations

678-539-1140 | jscott@ashrae.org

Proposed ASHRAE Standard on Prevention of Legionellosis Open for Third Public Comment

ATLANTA-Changes to clarify requirements in a proposed standard to prevent legionellosis associated with building water systems are open for public comment from ASHRAE.

Standard 188P, Prevention of Legionellosis Associated with Building Water Systems specifies what must be done to control the spread of legionellosis. The standard helps facility managers/owners understand how to apply the available information on Legionella effectively in order to prevent cases of legionellosis associated with building water systems.

The proposed standard underwent an earlier public review in June 2011 and is currently open for a third public review from Jan. 25-March 11, 2013. For more information, visit www.ashrae.org/publicreviews.

William McCoy said the committee received more than 150 comments during the 2011 review. The input helped the committee in clarifying many aspects of the standards. Changes being proposed to the third review based on that input, include:

- * Clarifications made to definitions in Section 3, Definition of Terms and a new term was defined.
- * Clarifications made to Section 5, Risk Characterization. Those changes were substantive because building characteristics were reorganized into two subsections for clarity, subsections 5.2 and 5.3.

- * Reorganization of Table 1, Determining Preventative Measures Required for Buildings. The improvements reference two subsections of Section 5 (Sec 5.2 and 5.3).
- * Creation of a new subsection, 7.4, Water System Treatment and Management Program, in Section 7. Commenters indicated there should be specifications for a "water system treatment and management program" for buildings with none of the risk characteristics (now listed in Sec 5.2) but with any of the equipment specified (now listed in Sec 5.3),.
- * Clarifications to Section 8 regarding wording, references, cited regulations and informative notes.

Compliance with the standard requires facility managers/owners to formally take responsibility for controlling Legionella in their building water systems, while at the same time acts as a defense against accusations of negligence in those cases which are caused by the hazard from unknown sources.

Standard 188P also covers the potable water system in buildings, which are not treated as often as cooling towers, and will hold facility managers/owners accountable for properly managing the entire building water system both potable and utility water.

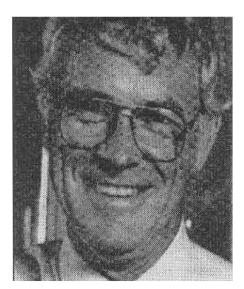
The standard differs from ASHRAE Guideline 12, Minimizing the Risk of Legionellosis Associated with Building Water Systems, in that while the guideline gives recommendations about how to treat various building water systems, the standard specifies the practice of exactly what must be done with all those recommendations.

ASHRAE, founded in 1894, is a building technology society with more than 50,000 members worldwide. The Society and its members focus on building systems, energy efficiency, indoor air quality, refrigeration and sustainability within the industry. Through research, standards writing, publishing and continuing education, ASHRAE shapes tomorrow's built environment today.

H



THE PAST PRESIDENT'S MEMORIAL SCHOLARSHIP



The Past President's Memorial Scholarship was founded in 1991. At that time, five companies, GWR Engineering, Hallam Engineering, Avengco Engineering, Hertzberg Engineering, and Mechanical Consulting Services, contributed to create the scholarship given in the memory of Tom Wolfstich.

Tom Wolfstich had his roots in Albany, NY following in his father's footsteps as a union plumber and pipe fitter. He came to Vermont in 1979 to run the plumbing division at New England Air ystems Inc, a company Bobby Miller had created a few years earlier. Tom was known for his skills in lay out and installing piping systems for large projects, especially renovation work. He was also known for his contagious sense of humor and playing pranks on colleagues. In 1984, Tom, along with Steve Bartlett

and John Lawrence, bought New England Air Systems Inc from Bobby Miller. About that same time, Tom started getting involved in ASHRAE and started to advance through the Board of Governors chairs. In 1988-1989, Tom was the President of the Champlain Valley Chapter of ASHRAE. He was also very active in the local chapter of the Plumbing, Heating and Cooling contractors association, PHCC. In March 1991, Tom died unexpectedly of complications from lung cancer that was connected to asbestos exposure through the years. His wife Janis and three children, two of who still live in Vermont, survive him.

The award has changed somewhat over the years. There are many companies that contribute \$100.00 each to create the scholarship fund. The ASHRAE Champlain Valley Chapter has also lost some of our other past president's and decided to rename the scholarship from the Thomas Wolfstich Memorial Scholarship to the Past President's Memorial Scholarship.

If you would like to contribute to the scholarship fund, please address your correspondence to the address noted below. The scholarship committee decides whom to award the scholarship to each year. The requirements include enrollment in a four-year college with completion of at least three semesters or enrollment in a two-year college with completion of at least two semesters, Enrolment in the college's mechanical engineering or architectural engineering program, a minimum overall 3.0 grade point average, the student must demonstrate a financial need, and shows interest in pursuing a career in an ASHRAE oriented field. At the discretion of the scholarship committee, there can be one award or multiple awards given each year. The scholarship is paid directly to the recipients' school in care of the winner.

Student applications are now being accepted for the Thomas Wolfstich scholarship award. A copy of the application is posted on our website www.ashraevt.org.



Champlain Valley Chapter ASHRAE

American Society of Heating, Refrigeration & Air Conditioning Engineers

The Past President's Memorial Scholarship Questionnaire

Mail or Email Completed form by February 28, 2013

To: Alliance Mechanical

Attn: ASHRAE CVC Scholarship - Shawn LaBelle

PO Box 666

Essex Jct., VT 05453 ShawnL@amivt.com

Name:
Address: City State and Zin:
City, State, and Zip:
Phone:
Attending School:Address:
Year: Class (Circle) F So Jr Sr Current GPA:
Describe Major:
Are you an ASHRAE Student Member? Yes No
Please Submit/Enclose a Written Endorsement from your Mechanical Engineering Professor, Advisor, or Dean.
Is the Endorsement Attached? Yes No
Please answer the following questions on the backside of this form. Attach additional sheets if necessary.

1. What do you know about ASHRAE?

(Answers typed on separate sheets is preferred)

- 2. Describe what you think you can contribute to ASHRAE and what ASHRAE might contribute to your career.
- 3. Describe work experience related to an ASHRAE related field that you have had.
- 4. Describe which college area of study that has been most interest to date and why.
- 5. Explain any special projects or activities that you participated in.
- 6. Explain which ASHRAE oriented field you wish to pursue.



2012 CRC AWARDS

Here are the (7) awards the Champlain Valley Chapter received at the 2012 CRC in Boston on August 25, 2012 during the awards luncheon.

- ▶ Champlain Valley Research Promotion Rob Ward -Full Circle, Goal, High Five, Challenge
- ▶ Champlain Valley PAOE Awards Honor Roll, Star, Special Citation Michael R. Cook President
- ▶ 2011-2012 ASHRAE Region 1 CTTC -Award of Excellence Tom Dacres
- ▶ 2011-2012 ASHRAE Region 1 Black Ink Award "The Champ" Cara Gorman
- ▶ 2011-2012 ASHRAE Region 1 Websitation of Excellence Cara Gorman and Rachael Mascolino
- ▶ 2011-2012 Certificate Participation in Student Design Competition, HVAC Design Shawn LaBelle and VTC Student Chapter
- ▶ 2010-2011 ASHRAE Region 1 CTTC PAOE Sustainability Award Michael R. Cook

2012-2013 PRESIDENTIAL NEWSLETTER

DATE: April 12, 2012

TO: Chapter Presidents

ASHRAE Membership Promotion Committee

ASHRAE Student Activities Committee ASHRAE Research Promotion Committee

ASHRAE Chapter Technology Transfer Committee

Young Engineers in ASHRAE Committee

Regional Historians

Assistant Regional Chairs

Board of Directors

FROM: Thomas E. Watson, PE

SUBJECT: PRESIDENTIAL AWARD OF EXCELLENCE (PAOE)

ASHRAE chapters are the backbone of this Society and play a central role in helping the Society achieve its goals. Through our collective efforts, ASHRAE chapters are a vital force in the built environment and a resource everywhere in the world.

My Presidential theme, "Broadening ASHRAE's Horizons" emphasizes the role of ASHRAE members as leaders in the application of sustainable design and practices in our communities worldwide.

This marks the seventh consecutive year that the Presidential theme has focused on sustainability. This focus should be so ingrained in our lives that our mission "to serve humanity and promote a sustainable world"



inspires and guides our daily decisions.

Several new activities have been added to support the presidential theme and they focus on community involvement.

50 points for grassroots advocacy training for chapter officers and future leaders (minimum 1 hour of training) (100 points maximum)

50 points for establishing and maintaining a chapter grassroots advocacy committee with at least two members to promote ASHRAE with state, provincial, and local governments

50 points for establishing a Chapter Sustainability Committee that meets periodically that organizes at least two HVAC&R related sustainability activities per year

50 points for chapter publicity that includes issuing at least six (6) press releases or arranging one (1) or more TV appearances promoting the work of ASHRAE (150 points maximum)

500 points for chapter sponsored community sustainability project or event in conjunction with a non-profit organization (Note: ASHRAE provided Community Sustainability Project Tool Kit is available to assist.)

100 points for chapter sponsored community sustainability project publicity (outside of normal Chapter advertisements) that includes Print, Audio or Electronic media at a local, state, provincial, national or industry level promoting the work of ASHRAE and/or the local chapter (500 points maximum)

25 points for chapter officers or MP Chair promoting ASHRAE membership to local companies (e.g. reception, one/one meeting, company presentation) in order to increase their support in ASHRAE (150 points maximum)

25 points for each article (minimum 250 words) on a grassroots advocacy-related (i.e., state provincial, or local legislative or regulatory issue) published in a chapter newsletter or posted on a chapter website with copy sent to RVC (maximum of two articles per month) (300 points maximum)

There are six categories included in this year's PAOE: Chapter Operations, Chapter Technology Transfer, Historical, Membership Promotion, Research Promotion, and Student Activities. To achieve PAOE, the chapter must earn the minimum points in four of the following five categories: Chapter Operations, Chapter Technology Transfer, 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, check the PAOE Frequently Asked Questions (FAQ) section on the ASHRAE website. Please note that appropriate documentation should 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 your dedication, enthusiasm and hard work in improving our Society and providing value to our membership. I look forward to working with you during this Society 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 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	2012-13)
Membership Promotion	800	0
Student Activities	500	0
Technology Transfer	850	675
Research & Promotion	1050	675
History	300	100
Chapter Operations	600	405
Chapter TOTAL	4100	1855

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Joshua Chiappone	Shawn LaBelle		
T: (518) 817-8669	T: 802-857-5011shawn.		
joshua.j.chiappone@jci.com	ShawnL@amivt.com		
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President- Elect	Nathan Mascolino, PE, LEED AP (802) 861-6148 nathanm@vhv.com		
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2013 CRC Vice Chair	Steve Poole (802)861-6133 spoole@vhv.com		

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

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