



2008 - 2009 Officers



Jeffrey Schultz,
President



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MAIN MEETING

Green Maintenance Needed to Keep HVAC Systems Green



Speaker: Robert Baker, President, RGB Group

We are expending considerable effort to assure that today's HVAC systems operate efficiently, provide an optimal indoor environment and support our overall goals of environmental responsibility and sustainability. This talk demonstrates the importance of a strong maintenance program to assuring that these "green" systems continue to provide the performance that was the design objective. This talk is filled with real world examples of both successful and lacking maintenance approaches and techniques. It illustrates both the cost and rewards associated with various levels of maintenance.

This program has been approved for 1.5 PDH's.

Meet the Speaker

Robert Baker is President of the RGB GROUP which provides business advisory services on Heating Ventilation and Air-conditioning Systems (HVAC) maintenance and related indoor environmental issues to building owners, their staffs and the service and product suppliers who serve them. He has over 25 years of experience in all facets of building operation and maintenance.

He is the immediate past President of the Indoor Air Quality Association (IAQA). He sits on two ASTM Standards committees, four ASHRAE Standards and Technical Committees, and has written numerous papers, articles and is a regular ASHRAE presenter. He has been awarded the ASHRAE Distinguished Service Award and is a member of the ASHRAE Standards Committee.

Mr. Baker's undergraduate degree is from Oklahoma State University with an MBA through the Gulf Oil program at Harvard University.

DATE: Tues., January 13, 2009

MEETING MANAGER: Stephen Nicholas

MEETING PLACE: Doubletree, Waltham, MA

TIME: 5:30 - 6:00 p.m. - Social half hour
6:00 - 7:00 p.m. - Dinner
7:00 - 8:00 p.m. - Main Program

COST: Members that RSVP	\$35.00
Members that do not RSVP	\$45.00
Non-Members	\$45.00
Students	Free

DIRECTIONS: Rt. 128S to Winter St. Ext. (27B), head west off the exit. Turn left at the bottom of the hill onto Second Ave. Double-Tree Hotel is the first driveway on the left.

RSVP: Dan Denisi - dcd@brplusa.com - by Fri., Jan. 9.

This Month's Menu

Dinner Salad:

Baby Spinach Salad
with a Cranberry Vinaigrette

Entrée:

Chicken Marsala w/
Wild Mushroom
Marsala Wine Sauce

Dessert:

Chocolate Truffle
Torte



PRESIDENT'S MESSAGE

By Jeffrey Schultz

We have now entered a new year and we have many exciting ASHRAE events planned. Included in our next group of monthly meetings are two distinguished lecturers from Society who will speak at our January and March meetings. Mr. Robert G. Baker, who has sat on many Standards and Technical Committees for ASHRAE, and Mr. Gordon Holness, P.E., the current President Elect of ASHRAE are the scheduled speakers. These gentlemen, along with the other presenters we have scheduled, are leaders in the HVAC industry and have a multitude of knowledge to share with the members who attend our monthly meetings.

The purpose of ASHRAE, as quoted in the mission statement, is "advancing heating, ventilation, air conditioning and refrigeration to serve humanity and promote a sustainable world through research, standards writing, publishing and continuing education". This advancement begins at the chapter level with volunteers who are active in the process of running a grass roots organization on the local level. Our chapter needs more individuals in the HVAC industry to step forward and join us. These volunteers will eventually take over chapter level committees in July of 2009 when our fiscal year begins.

Speaking of volunteers, I would like to thank Ms. Darcy Carbone, past President and present CTTC, for representing the Boston Chapter on December 3rd at the name change and grand opening event of Kaplan Career Institute, formerly RETS. RETS has been successfully training and placing people in the R-HVAC field in the Boston area for a number of years. After over 40 years with the RETS name, they decided to change their name to Kaplan Career Institute. A ribbon cutting ceremony was held to celebrate the name change. Darcy was welcomed with much enthusiasm from the Director of Education and the Department Head of Refrigeration, Heating, Ventilation, and Air Conditioning Service Technician (RHVAC) Diploma program. Attendees were informed as to the student scholarships offered by the Boston Chapter. They were told how the Boston Chapter of ASHRAE is very active with the current student chapters, offering seminars in the classrooms for educational purposes. Kaplan Career Institute expressed an interest to organize a student chapter. We hope to see students along with their faculty attend our chapter meetings in the future.

Thank you all for your support and have a "Happy New Year"!

Jeffrey Schultz, President



DECEMBER MEETING RECAP

By Jeffrey Schultz

This month we had another successful annual joint meeting with ASPE. In the audience were fifty-six attendees from the ASHRAE Boston Chapter and approximately sixty ASPE members. This was ASPE's year to host and we thanked them for doing a great job.

Speaker Robb Wilkerson, Principle of Wil-Spec, discussed the concerns and changes in CSI specifications. Areas that Robb covered were the changes in formats and effects of these changes on engineering section. Points also discussed were MA Filed Sub-Bid considerations, classic do's and don'ts in specifications and specific words/language to avoid. He also spoke on broad scopes vs. narrow scopes. Robb's power point presentation was well prepared and easy for the audience to view and understand.



Membership Promotion

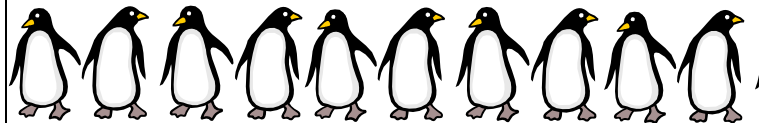
By Dan Cooke

Boston Chapter members Michael Daigneault and Kurt Roth were recently approved for advancement to Member grade by the Admissions and Advancement Committee. If you have been working in the HVAC industry for several years and are designated as an Associate Member, you may be eligible for advancement to Member grade. Any licensed PE's who are still at the Associate grade level should upgrade.

If you have any questions or would like assistance in upgrading your membership, please do not hesitate to contact me at dcooke@rdkenjineers.com.

Thank you!

Dan



Editor's Note

By Teri Shannon

Materials for the February newsletter are due **January 23**.

Employment / want ads may be submitted; they need to be in Word format. A company logo (in .gif or .jpg format) may be included. Please see website for deadlines for each issue.

For more information, please call or e-mail me at 207-985-0873 or tshannon@dac-hvac.com.

Mechanical/ Energy Engineer

Candidate shall have 2-5 years experience in HVAC design and/ or commissioning as well as building energy modeling/ HVAC load calculations. Experience with DOE2 based software is a plus. Candidate shall have good oral and written communication skills. Responsibilities include performing building energy simulations; assisting in developing new strategies for enhancing building performance through research of new mechanical HVAC, electric lighting, and building controls systems; and commissioning of HVAC systems.

Contact Mike Andelman at mike@andelmanlelek.com

Andelman and Lelek Engineering, Inc.
1410 Providence Highway
Norwood, MA 02062



Director of Mechanical Engineering

Immediate Opening - Raleigh, North Carolina

Our client is a multidisciplinary firm located in Research Triangle Park, offering architecture, mechanical engineering, electrical engineering, landscape architecture/ planning and interior design services. The firm has focused its professional design services on corporate offices, research laboratories and facilities; higher education and institutional projects such as airports, criminal justice facilities and banks.

- Minimum of 10 years experience as a licensed professional engineer.
- Minimum of 3 years experience as an engineering discipline department manager preferred.
- Thorough expertise in the field of mechanical engineering and HVAC/plumbing/piping design and working knowledge of allied design disciplines.

Contact Melissa Prevatte · Melissa@onesource-nc.com



One Source of NC, LLC · 2841 Plaza Place, Suite
110 · Raleigh, NC 27612 · (800) 897-0131

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**SUSTAINABLE
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Engineering Tomorrow... Today
2009 ASHRAE Winter Conference

**engineering
tomorrow...
today**

**ASHRAE's 2009
Winter Conference
January 24-28
AHR Expo
Jan. 26-28**

www.ashrae.org/chicago



CCTC - TEGA Article

By Darcy Carbone

EPA Takes Measures to Accelerate ODS Phase Out

EPA is taking the next step to eliminate hydrochlorofluorocarbon (HCFC) emissions, which are ozone-depleting substances and greenhouse gases.

The proposed rule would decrease the consumption and production of HCFCs for the years 2010 to 2014. Consumption and production will be reduced by at least 75 percent in 2010. As a party to the Montreal Protocol on Substances that Deplete the Ozone Layer, the U.S. will completely phase out HCFCs in 2030.

This action will also amend provisions concerning HCFC production for developing countries' basic domestic needs and would clarify a ban on the sale and distribution of HCFCs through interstate commerce under the Clean Air Act. EPA will accept comments on the proposed rule for 60 days after publication in the Federal Register.

In 1993, EPA started eliminating the most harmful HCFCs to implement the Montreal Protocol's gradual phase out of overall HCFC levels.

One hundred ninety-three countries are parties to the Montreal Protocol on Substances that Deplete the Ozone Layer. Signed in 1987, this successful treaty is helping to heal the ozone layer by ending the production of ozone-depleting substances.

More on EPA's involvement in the Montreal Protocol:
<http://www.epa.gov/ozone/strathome.html>

Source: ASHRAE's Government Affairs



ATTENDANCE

The Boston Chapter of ASHRAE -
December 08 Meeting
Had 56 in attendance:

38 ASHRAE Members
12 Non Members
6 Students



Research Promotion

By Steve Rosen

We would like our Boston Chapter to donate \$19,280 for ASHRAE Research this year to match our goal. This goal has been set for us based on our membership of 914 dues paying members. If each member would contribute \$21.09, then we have satisfied our obligation!

Make a donation for yourself or from your company. Make a donation to honor someone in your life or in memory of someone who was in your life.

Please fill out the form in this newsletter and mail it to me with whatever contribution you can make or please go to the ASHRAE Boston website at www.ASHRAEBoston.org. Click on the Donation Form under Research & Promotion, or go there directly with this link:
<http://www.ashraeboston.org/researchpromo/donation-form.html>

Credit card payments can also be made when you're on the ASHRAE website. Use this link:
https://www.ashrae.org/aboutus/resource_promotion.asp

Since its inception, ASHRAE has conducted research to advance the arts and sciences of HVAC&R and allied disciplines for the benefit of the general public. Today, ASHRAE funds over \$2 million in research annually.

Research priorities are guided by ASHRAE's Research Strategic Plan, developed every 5 years by the Research Advisory Panel (RAP) with broad input from the membership. You can comment on The Plan currently being developed looking forward to research priorities for 2010 through 2015. The priority areas from the current Research Strategic Plan (for 2005-2010) are:

- A. Energy and Resources
- B. Indoor Environmental Quality
- C. Tools and Applications
- D. Equipment, Components and Materials
- E. Education and Outreach

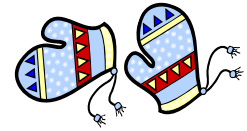
I'll report on new survey results for future research priorities. As always, your generosity is greatly appreciated and will be recognized in the NorthEastAire throughout the year.

Thank You!



Student Activities

By Joshua Benoist



We want to thank all of our Students that attend our meetings. We realize it's a great opportunity for you to get to know our industry, to learn about industry issues and to network. We also realize it is a great opportunity for us to meet you and share our knowledge and passion for the industry. If you were to ask any one of us why we got started in the business, you would receive a diverse range of answers. I suspect that many of us enjoy the thought that we can point to a building and say to our children or peers, I helped design and build that. Some would say with pride, our designs help our buildings be more energy efficient. We have a direct responsibility and role in minimizing the energy and global warming crisis.

So speaking of responsibility, don't forget we have a responsibility to mentor, to pass on our knowledge, and just as important, to generate passion. We cannot succeed if there is no interest in our industry. How many of us, thinking back when we were younger, said we want to grow up to be an HVAC engineer? Probably not many, but someone or something pulled us into the industry and inspired us to stay here. Who else is going to do that for the next generation but you, and ASHRAE.

If you are still reading this, then maybe we have caught your interest. There are three ways that come to mind, in which you can contribute, none of which takes much effort or time. The first and simplest way is to attend our regular ASHRAE chapter meetings. When you do, don't choose to sit in the usual spot. Look around for a young engineer or student and sit next to them. Engage them in conversation. Don't assume that someone else will take up that role or that you are somehow not the right person for the job. If you are at our meeting, you likely have valuable experience to share, so make a difference.

A second way to contribute to generating interest and passion in our industry is financially. We have some very generous donors that help fund our student chapters each year. We are very grateful to them. Without their support, these student chapters would likely flounder. If we want to support more student chapters, and generate more interest, we can always use the help financially. All support goes to the student chapters and every chapter provides us with a report of how they spend the money. Most

of us can recall the late college nights studying, maybe working a job on the side to provide pizza on the table, or to provide gas money. Our students can spend the money anyway they need. It could be for buying gas, to road trip to our chapter meeting or to a facility tour. It could go to buy pizza for a student chapter meeting, possibly with their own guest lecturer. Maybe that guest lecturer could be you? Many use the money for HVAC experiments and lessons. They can even use it for buying their own ASHRAE membership. Simply put, we want to make it easier on them to become involved.

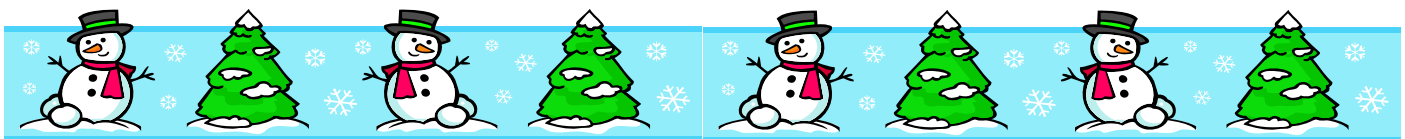
The third way you can contribute, and you have heard from me before, is to help us to identify a contact at an engineering university. This person does not have to be a professor; it can be a faculty member or a student that can further identify a professor or other sponsor. You could help us to make that first contact, but is not required. Individual students and student chapters cannot make it to each and every one of our chapter meeting. The more student chapters we have, the more students will attend regularly. This means we will have more opportunity to meet with these students and make a difference. Yes, you can make a difference.

We want to expand no faster than one student chapter per year. It takes time to develop contacts at these Universities and to meet the criteria to form a new student chapter. We can gain more student chapters, based on the amount of engineering colleges out there and Alumnus in our ranks. Will you help?

It's a simple role, we need your help to identify, and possibly contact a faculty member. Someone on campus that is willing to devote some time facilitating the new student chapter.

If you want more information or wish to volunteer, please feel free to contact us at Joshua.Benoist@Autodesk.com.

Please spread the word!





Historian's Column

By Jim Liston



The Father of Frozen Food – Part II

In 1917 when the United States entered World War I, the Birdseye family returned to the United States, settling first in Washington, DC. In 1919 Clarence worked for the US Housing Office as an assistant purchasing agent. From 1920 to 1922, he was employed as an assistant to the president of the US Fisheries Association. In 1922, Birdseye conducted fish-freezing experiments at the Clothel Refrigerating Company and experimented with the process of quick freezing food that he had learned while in Labrador. In 1923, with an investment of \$7 for an electric fan, buckets of brine, and cakes of ice, Birdseye invented and later perfected a system of packing fresh food into waxed cardboard boxes and flash-freezing them under high pressure. He then established his own company, Birdseye Seafoods Inc., to freeze fish fillets via chilled air at -45°F (-43°C). In 1924, however, his company went bankrupt due to lack of consumer interest in the product. That same year he developed an entirely new process for commercially viable quick-freezing: pack fish in cartons, then freeze the contents between two refrigerated surfaces under pressure. The "double plate" freezer, as it became known in the industry, was the solution. This technique quickly froze the foods solid with almost no damage at all to their cellular structure. Foods packaged and frozen in this new way were almost exactly the same when thawed weeks or months later. Birdseye quickly applied for, and was granted, a patent on the exclusive method.

In 1924 Birdseye helped form the General Sea Foods Co. in Gloucester, Mass., and he began freezing food on a commercial scale. While in Gloucester, he developed the belt freezer, a machine that was composed of an industrial track surrounded by two metal plates, one of which was sprayed with a brine of calcium chloride chilled at -40°F. When the food passed down the track, it made contact with the unsprayed plate -- which had absorbed the cold from the other plate -- and instantly froze. It was, perhaps, his best-known contribution to the frozen-food industry.

He and his financial partners later organized this business into the General Foods Company, which served as the parent company for General Seafoods.

But despite an infusion of cash from a few investors as well as the creation of specially made freezers to hold his product, the country was not yet ready to accept the prospect of frozen food. It took another seven years before Birdseye's vision came to fruition. As time passed, he continued his experiments with the quick-freezing process.

Almost bankrupt, Birdseye continued to press for believers in his inventions. In 1925 he found one in the guise of Postum Cereal

heiress Marjorie Merriweather Post. Post, summering aboard her yacht *Hussar IV*, had sailed with husband E.F. Hutton, an investment banker, into Gloucester to visit friends. There, aboard ship, her cook served goose for dinner, which she said was "surprisingly tasty." For Birdseye, it was the goose that laid the golden egg. Post asked the cook where the goose had been purchased, and he explained it had been bought frozen. The heiress was fascinated. Keeping fresh food aboard the yacht was problematic at best, even with the latest shipboard refrigerators installed. Here, however, her cook had stumbled upon a solution: poultry that could be frozen and stored indefinitely.

Post pronounced Birdseye's work a "remarkable innovation" that would "have profound ramifications for the foodservice industry." It occurred to her that if the Birdseye process really worked, people could end the tedium of canning by shopping for frozen foods year-round. The heiress was determined to acquire Birdseye's company for Postum and attempted to enlist her husband's help in the purchase. Hutton, however, was resistant to the idea. He argued that grocers wouldn't be able to make the investment of purchasing freezers large enough to hold the product and that the majority of housewives wouldn't be able to buy them either. But Post was convinced that it would work, and that restaurateurs, grocers and housewives would purchase the appliances, and Postum entered into negotiations with Birdseye.

In 1926, Birdseye had developed a quick-freeze double-belt machine weighing 20 tons. It was later transformed into a more transportable multiple-plate freezer which was to become widely used in the frozen food industry.

In June 1929, Postum, in conjunction with the Goldman-Sachs Trading Corp., finally purchased Birdseye's company for \$22 million. After the acquisition, Postum Cereal Company changed its name to the General Foods Corp. Birdseye's personal share of the sale amounted to almost \$1 million, and he was made head of the General Foods laboratory in Gloucester. He was appointed as director of research and development at the new company and was in charge of 22 chemists and food technicians.

Part III will appear in next issue of NorthEastAire.

Information for this article was obtained from the following sources:

The Encyclopedia of World Biography on Clarence Birdseye; [Nation's Restaurant News, Feb. 1996](#), "Clarence Birdseye - Inventor of Quick Frozen Foods", by Elissa Elan; and the [Birds Eye Foods, Inc. Corporate website](#).





Region 1 Dinner Chicago Winter Meeting

When: Sunday, January 25, 6:00 pm

Where: Beef N Brandy Restaurant
127 State Street, Chicago, IL
www.beefbrandy.com

This year we will be doing separate checks - attendees will order what they would like from the menu, bar, etc. and pay their own tab. There are no deposits to worry about, or refunds for changes in plans. Please check out their website above to see the menu.

Your RSVP is still needed if you wish to attend the dinner. Please RSVP to Lee Loomis at leeloom@aol.com.

Additional Morning Technical Session!

NOTE: This meeting is in addition to the February 10th Evening program!!

Topic: Transpired Solar Collectors

(The program will focus on using Transpired Collectors to preheat ventilation air. Applications, performance, design guidelines, specifications and economics will be discussed.)

Speaker: Pat Will, DAC Sales

Date: WEDNESDAY, February 25, 2009

Time: Breakfast/Registration at 7:30 AM
Meeting: 8-10 AM

Where: National Grid Offices
201 Jones Road, Waltham, MA

Cost: FREE (thank you National Grid)!

RSVP to enrique.de.los.reyes@mail.ashrae.org
[Space is limited to about 45 people, so reserve your place soon.]

PDHs: Meeting is approved for 1.5 PDHs that are valid for New York State under P.I.E.

ATTENTION SKIERS!

SUNDAY RIVER & SUGARLOAF DISCOUNT SKI VOUCHERS

The Boston Chapter is participating in the Sunday River/Sugarloaf corporate voucher program. You will be entitled to purchase up to four discounted lift tickets [\$63 Adults, \$44 Junior/Senior] at either ski resort by presenting an ASHRAE membership card, picture ID, and voucher. There is no cost for the vouchers.

Contact Jeff Schultz (jhs@brplusa.com) or Ed Waldman (ewaldman@verizon.net) if you would like any vouchers. They will also be available at the January meeting. Complete rules below:

How To Use Vouchers

1. Bring your corporate voucher to any participating resorts ticket window.
2. Present your voucher, photo ID, and valid ASHRAE membership card to the ticket seller. In the absence of the individual member, immediate family members defined as spouse and children, must present some form of ASHRAE identification, plus a photo ID in order to receive the discount.
3. Each person expecting the corporate pricing must be present with the corporate voucher holder at the time of ticket purchase. The ticket seller will take the voucher in exchange for up to 4 lift tickets.

For information on schedules, conditions, etc., please visit the following websites:

Sunday River - www.sundayriver.com
Sugarloaf - www.sugarloaf.com



PDH CREDIT REMINDER

- Attendees wishing to receive PDH credits must present a business card at the meetings
- Members may receive PDH credits at no additional cost
- Non-members may receive PDH credits for a \$15 fee



What's New in our Chapter

By Pat Duffy

Meeting Minutes of the Board of Governor's December 9, 2008 Meeting

Below is a quick summary of what was discussed:

This Year's Meetings

Anyone interested in seeing what the remainder of the 2008-2009 season has in store, please check out the Events Calendar on the Chapter Website for additional information. All Board of Governor's meetings are going to remain at 4:30pm the day of the meeting.

Chapter Website

The Chapter's website is updated monthly to help keep chapter members up to date on chapter news and events. If your company would like to place an ad on the website, it can for the ad price of \$300.

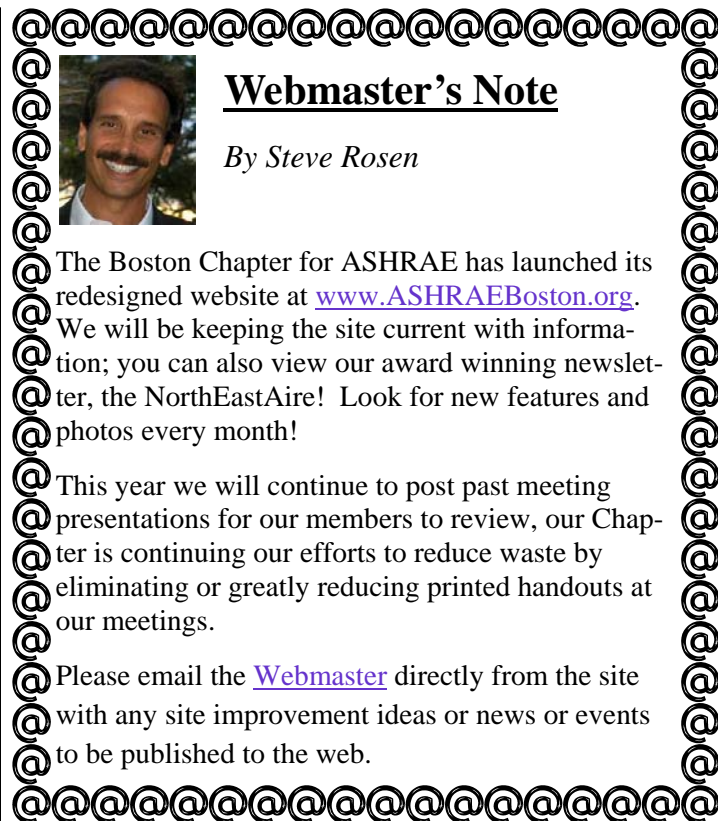
Breakfast Meetings

The Chapter is looking into holding a couple more breakfast meetings in addition to the regular monthly meetings. More information on the seminars will be sent out in coming months.

Membership

Our Membership Chair wanted to remind all members to make sure their dues are paid up in full. Unsure as to whether you are up-to-date or not? Please be sure to check Society's website www.ashrae.org or contact our Membership Chairperson Dan Cooke for more membership information.

See you at the next meeting!



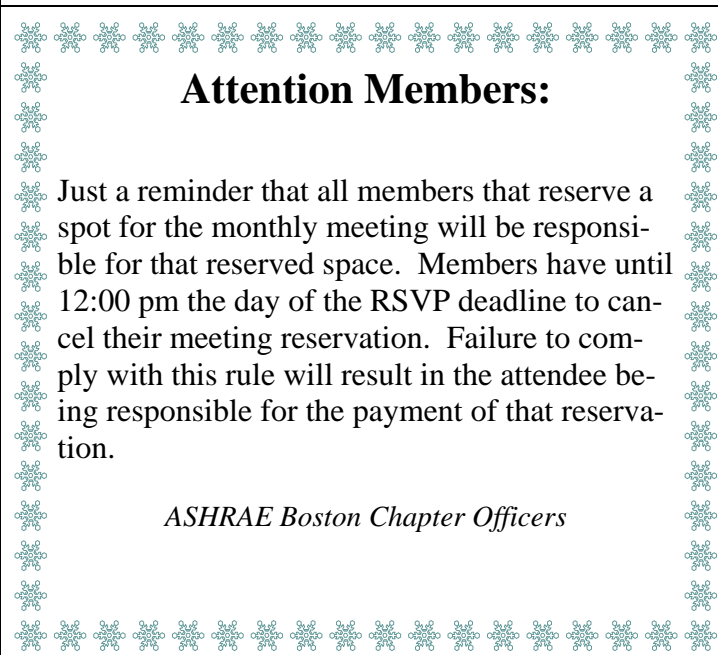
Webmaster's Note

By Steve Rosen

The Boston Chapter for ASHRAE has launched its redesigned website at www.ASHRAEBoston.org. We will be keeping the site current with information; you can also view our award winning newsletter, the NorthEastAire! Look for new features and photos every month!

This year we will continue to post past meeting presentations for our members to review, our Chapter is continuing our efforts to reduce waste by eliminating or greatly reducing printed handouts at our meetings.

Please email the [Webmaster](#) directly from the site with any site improvement ideas or news or events to be published to the web.



Attention Members:

Just a reminder that all members that reserve a spot for the monthly meeting will be responsible for that reserved space. Members have until 12:00 pm the day of the RSVP deadline to cancel their meeting reservation. Failure to comply with this rule will result in the attendee being responsible for the payment of that reservation.

ASHRAE Boston Chapter Officers

Presidential Award of Excellence

Boston Chapter - 2008 - 2009

Chapter Members	Membership Promotion Points	Student Activities Points	Research Promotion Points	History Points	Chapter Organization Points	Chapter Technology Transfer Points	Chapter PAOE Point Totals
914	135	1260	0	335	555	860	3,145

Boston ASHRAE 2008 - 2009 Meeting Schedule

Date	Main Program	Speaker	PDH Credits	Meeting Manager	Location
September Tuesday, September 9, 2008	Geothermal Heat Pumps	Carl Orio, Water Energy Distributors	1.5 PDH's Approved	Enrique de los Reyes er@energysystemsdesign.com	Doubletree - Waltham
October Tuesday, October 14, 2008	Maximizing IAQ While Saving Energy Student Meeting / Membership Night	David Bearg, P.E., Life Energy Associates	1.5 PDH's Approved	Jeff Schultz jhs@brplusa.com	Doubletree - Waltham
Additional Morning Mtg! Wednesday, October 29	Sustainable Design for Kitchen Ventilation	Olaf Zwickau, Air Solu- tions & Balancing	1.5 PDH's Approved	Enrique de los Reyes er@energysystemsdesign.com	National Grid - Waltham
November Tuesday, November 11, 2008	Underfloor Air Distribution Systems History Night / Research & Promotion Night	Steve Tafone, P.E., William A. Berry & Son	1.5 PDH's Approved	Steve Tafone stafone@berry.com	Doubletree - Waltham
December Tuesday, December 9, 2008	CSI Specification Changes ASPE Joint Meeting	Robb Wilkinson	Pending	Darcy Carbone dcarbone@stebbinsduffy.com	Lantanas - Randolph
January Tuesday, January 13, 2009	Green Maintenance Needed to Keep HVAC Systems Green Membership Night	Robert G. Baker Distinguished Lecturer	1.5 PDH's Approved	Steve Nicholas snicholas@airinds.com	Doubletree - Waltham
February Tuesday, February 10, 2009	Radiant Cooling / Chilled Beams Green Roundtable Joint Meeting	Ken Loudermilk, Trox	1.5 PDH's Approved	Enrique de los Reyes er@energysystemsdesign.com	Doubletree - Waltham
Additional Morning Mtg! Wednesday, February 25	Transpired Solar Collectors	Pat Will, DAC Sales	1.5 PDH's Approved	Teri Shannon tshannon@dac-hvac.com	National Grid - Waltham
March Tuesday, March 10, 2009	ASHRAE & Building Information Modeling Research & Promotion Night	Gordon Holness, P.E., President-Elect ASHRAE Distinguished Lecturer	Pending	Steve Rosen steven.rosen@autodesk.com	Doubletree - Waltham
April Wednesday, April 1, 2009	Emerging Technologies AEE Joint Meeting / Past President's Night	TBD	N/A	Fran Boucher francis.boucher@us.ngrid.com	Doubletree - Waltham
May Tuesday, May 12, 2009	Installation of Officers	N/A	N/A	Bryan Hermann bmh@brplusa.com	TBD
June Monday, June 1, 2009	Golf Outing	N/A	N/A	Bill Garvey william.garvey@wspfk.com	Poquoy & Halifax Country Clubs

2008 - 2009

BOSTON CHAPTER OFFICERS, BOARD OF GOVERNORS & CHAIRPERSONS

OFFICERS

President
Jeffrey Schultz, BR+A
617-925-8242
jhs@brplusa.com

President-Elect
Bryan Hermann, BR+A
617-928-8295
bmh@brplusa.com

Vice President
William Garvey, WSP Flack+Kurtz
617-210-1711
william.garvey@wspfk.com

Secretary
Patrick Duffy, BR+A
617-925-8255
pjd@brplusa.com

Treasurer
William Garvey, WSP Flack+Kurtz
617-210-1711
william.garvey@wspfk.com

BOARD OF GOVERNORS

2008 - 2011	2007 - 2010	2006 - 2009
Darcy Carbone Stebbins-Duffy 781-246-0840 dcarbone@stebbinsduffy.com	Thomas Bryte Aramark 203-245-9600 bryte-thomas@aramark.com	William Garvey WSP Flack+Kurtz 617-210-1711 william.garvey@wspfk.com
Jim Liston William Berry 978-774-1057 jliston@berry.com	Steve Nicholas Air Industries 978-682-9993 snicholas@airinds.com	Steve Bosland Einhorn, Yaffee, Prescott 617-305-9831 sbosland@eypae.com
Todd Mason MTE Engineering (781) 329-7700 tmason.mteeng@verizon.net	Joshua Benoist Autodesk 603-206-9122 joshua.benoist@autodesk.com	Jeff Scogland R.T. Forbes 978-777-1220 scogland@comcast.net

COMMITTEES

Attendance Daniel Denisi, BR+A (617) 254-0016 dcd@brplusa.com	Greeting Steven Tafone, William Berry 978-774-1057 stafone@berry.com	Product Show - April 2010 Jeffrey H. Schultz, BR+A 617-925-8242 jhs@brplusa.com	Student Activities Joshua Benoist, Autodesk 603-206-9122 joshua.benoist@autodesk.com
Chapter Program Jeffrey H. Schultz, BR+A 617-925-8242 jhs@brplusa.com	Historian Jim Liston, William Berry 978-774-1057 jliston@berry.com	Professional Development Steve Bosland, EYP 617-305-9831 sbosland@eypae.com	Sustainability Jim Shiminski, DAC Sales 207-985-0873 jshiminski@dac-hvac.com
Chapter Technology Transfer Darcy Carbone, Stebbins-Duffy 781-246-0840 dcarbone@stebbinsduffy.com	Honors & Awards Darcy Carbone, Stebbins-Duffy 781-246-0840 dcarbone@stebbinsduffy.com	Publicity Donna Harrington, Avant-garde Graphics 508-339-0601 donna@a-ggraphics.com	& Fran Boucher, National Grid 508-421-7299 francis.boucher@us.ngrid.com
CRC Delegate Jeffrey H. Schultz, BR+A 617-925-8242 jhs@brplusa.com	Membership Promotion Daniel Cooke, RDK Engineers 857-221-5947 dcooke@rdkengineers.com	Refrigeration Steven Tafone, William Berry 978-774-1057 stafone@berry.com	Website Steven Rosen, Autodesk 603-621-3259 steven.rosen@autodesk.com
CRC Alternate Bryan Hermann, BR+A 617-928-8295 bmh@brplusa.com	Nominating Robert Persechini, RDK Engineers 617-345-9885 x322 rpersechini@rdkengineers.com	Region 1 Garry Myers, P.E. 212-951-2815 garry.myers@wspfk.com	
Golf Outing William Garvey, WSP Flack+Kurtz 617-210-1711 william.garvey@wspfk.com	NorthEastAire Teri Shannon, DAC Sales 207-985-0873 tshannon@dac-hvac.com	Research Promotion Steven Rosen, Autodesk 603-621-3259 steven.rosen@autodesk.com	



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