



NorthEastAire

ASHRAE - American Society of Heating, Refrigerating and Air-Conditioning Engineers
Boston Chapter, Region 1 www.ashraeboston.org

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June 2007

Editor: Teri Shannon TEL: 207-985-0873

2006 - 2007 Officers



Darcy Carbone,
President



Steve Rosen,
President-Elect



Jeff Schultz,
Vice-President



Bill Garvey,
Treasurer



Bryan Hermann,
Secretary

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ASHRAE Golf Outing



Despite the rainy weather, we had a great turnout at the golf outing! The players had fun, and our great spirit persevered.

The Chapter would like to thank the following for their support of the ASHRAE Golf Outing:

CONTEST HOLE SPONSORS

SEi Companies
J.S. Fleming Associates
Daikin AC, Inc.

HOLE SPONSORS

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Equipment Direct Sales	Victaulic
Leonhardt Co.	W.A. O'Leary Co.
Nelson/Scribner Associates	

See page 6 for golf results!!



You're just a click away.....



Our website has a new look!

Log on to www.ashraeboston.org and check out the new format!

View upcoming events, make a donation, read about the committees, read the latest edition of the NorthEastAire... plus more!

Your feedback is most welcome!

Send your comments to steven.rosen@autodesk.com

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PRESIDENT'S MESSAGE

By: Darcy Carbone

Dear Boston Chapter Members,

I would like to take this opportunity to thank everyone for their commitment and support this past year for ASHRAE. It has been an honor as well as an amazing experience to serve as the Chapter President. If it wasn't for the wonderful group of people who serve as the Board of Governors, Officers, and Committee Chairs, the Boston Chapter would not be as successful. These people have committed their time and have shown me and the Chapter their passion and dedication to ASHRAE.

I want to particularly thank Enrique de los Reyes for helping me get on the right page in the beginning of my term. I had my hands full with newborn twins, a full-time job and a chapter to run. Enrique, having twin boys too, knew exactly what I was going through. He was always there for every phone call I made to him and always offering to help. Thanks again Enrique!!!!

Others to thank:

- Jim Shiminski – Jim really stepped up to the plate this year with the assistance of Cheryl Rossini. Jim started the Boston Chapter Sustainability Committee which he now co-chairs with Fran Boucher of National Grid. Good stuff Jim!!!

- Cheryl Rossini - Cheryl did an awesome job on the Roster and Product Guide, which will be out shortly, and for the Student Scholarship Program. Thank you so much for all of the encouragement and support you gave me throughout the years. You have been an inspiration to me with you're your strength, knowledge and ethics. THANKS!!!

- Bryan Hermann kept me VERY organized and up to date- thanks Bryan!

- Bill Garvey - thanks for doing all of the thankless jobs for the group. Bill is the one we all call to set up travel arrangements, send flowers or fruit (whether for celebratory or mourning purposes), reimbursement or payments and especially for the Golf outing. Sometimes I wondered if the money was really his. Great job Bill!!

- Pat Duffy for reaching out with the emails and taking care of the Attendance desk at every meeting.

- Jeff Schultz - thanks for dealing with the hotel and all of the problems that always came about and especially for always making me laugh with your wise comments. I could always count on you, Jeff, for a good one

- Steve Rosen jumped right in to lead the new website so George Hardisty could retire. Great job Steve!

- George Hardisty - thank you for the several wonderful years you contributed to not only to the Chapter website but to the Chapter itself. George has also always been there for me with answers to my questions. Thanks George!

- Teri Shannon - I don't know where to begin to thank her for all of her patience with me and the entire engineering community and trying to understand us. Teri, thanks again for another wonderful job done on the NorthEastAire newsletter.

Dan Cooke – thank you for being there to assist me on issues that I had and for your continuing dedication to the membership committee. Thanks Dan!

- Dave Klee – thank you for taking on the Chapter Transfer Technology Committee; you did a great job!

Last, but definitely not least, our DRC, Garry Meyers for keeping me in and out of trouble!!! Thanks Garry for a wonderful year of your support and charm!!

If I forgot anyone please let me know and forgive me.

The Chapter is in great hands with the following officers for 2007-2008:

President: Steve Rosen

President-Elect: Jeffrey Schultz

Vice President: Bryan Hermann

Secretary: Patrick Duffy

Treasurer: Bill Garvey

New Board of Governors Members: Thomas Bryte, Steve Nicolas and Joshua Benoist

As a group, our officers and committee chairs will be attending the Chapter Regional Conference this August in Niagara Falls, New York. At this event, new committee members will receive training and instruction on how to perform their duties as committee chairs, and 'old' committee chairs will receive recognition and awards for their service.

In closing I would like to thank you all for your support and encourage all members to renew their commitment to ASHRAE and to support Steve Rosen as President for 2007-2008.

Cheers,

Darcy Carbone

President – Boston Chapter ASHRAE, 2006 - 2007

MAY MEETING RECAP

By Darcy Carbone

Another well received meeting. May's meeting consisted of our Installation of Officers followed by a technical program presented by Tom Godbey of Donaldson Company Inc. He went through the basics of industrial ventilation design and recirculation to reduce the energy intensity of systems. He went through several examples of the pros, cons and typical recirculation system layouts.

If you attended this meeting and would prefer to have future meetings at the Forefront Center or have any comments on locations, please contact Jeff Schultz at jhs@brplusa.com.



Editor's Note

By Teri Shannon

At this time, we are accepting want ads only for the newsletter. Ads need to be in Word format. Company logos can be included with your ad; these need to be provided in either a .jpg or .gif file format. **The deadline for the September newsletter is August 27th.** The cost is \$200 per month for 1/4 page; \$400 per month for 1/2 page. A check should be submitted with your ad, made payable to "ASHRAE - Boston Chapter", and should be sent to:

ASHRAE

Attn: Teri Shannon
c/o DAC Sales
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W. Kennebunk, ME 04094

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If you have any questions, please feel free to contact me at 207-985-0873.

INSTALLATION OF OFFICERS

May 8, 2007



New President Steve Rosen with Garry Myers, Region 1 District Chair



Bryan Hermanny is awarded Member of the Year by Darcy Carbone, President 06-07



Tom Bryte, Steve Nicholas, Josh Benoist (all newly elected Board of Governors members), Bill Garvey (Treasure), Pat Duffy (Secretary), Bryan Hermanny (Vice President), Jeff Schultz (President- Elect)

OF
APPRECIATION
CERTIFICATES



J. Schultz, B. Garvey, B. Hermanny, D. Cooke, P. Duffy, E. del los Reyes, S. Bosland, B. Barstow, T. Shannon, S. Rosen



CCTC - TEGA Article

By David Klee

ASHRAE PUBLISHES NEW STANDARD 62.1

ASHRAE's new 2007 ventilation standard contains key changes impacting ventilation system designers and their designs.

ANSI/ASHRAE Standard 62.1-2007, Ventilation for Acceptable Indoor Air Quality, sets minimum ventilation rates and other requirements for commercial and institutional buildings.

"Standard 62.1 has served the building industry and the public as the most prominent standard on ventilation for indoor air quality," Dennis Stanke, committee chair, said. "Changes in the 2007 standard build on the improvements published in the 2004 version, providing additional guidance for designers of building ventilation systems."

The new standard includes requirements for the separation of areas with environmental tobacco smoke (ETS) from areas without ETS in the same building. Although some local building and health codes prohibit smoking indoors in many buildings and locations, other codes allow smoking in designated areas. In buildings that allow smoking in designated areas, effective separation of ETS areas ensures "ETS-free" areas contain little or no ETS-related contaminants. The new separation requirements help designers ensure effective separation, according to Stanke.

Another change clarifies how designers must analyze mechanical cooling systems to help limit space relative humidity. Many buildings suffer from air quality problems related to dampness, including mold and other microbial growth. In the past, the standard required a design analysis at specified load conditions, in an effort to demonstrate that a given design approach in a given climate could successfully limit space RH to 65 percent or less.

"Those load conditions could be confusing and difficult to establish," Stanke said. "The new requirements include a specific easy-to-establish load condition. Each system must be analyzed to check its dehumidification performance at this challenging condition to help designers make system configuration and control choices that reduce the likelihood of high-humidity problems in buildings."

The cost of ASHRAE Standard 62.1-2007 is \$65 (\$52 ASHRAE members).

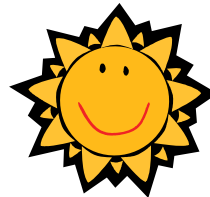
To order, contact ASHRAE Customer Service at 1-800-527-4723 (United States and Canada) or visit the ASHRAE Bookstore at www.ashrae.org.

Press Release Dated May 22, 2007

Contact: Jodi Dunlop, Public Relations, jdunlop@ashrae.org

Upcoming Events

- **ASHRAE Annual Meeting**
 - When: June 23 - 27
 - Where: Long Beach, CA
 - FMI: www.ashrae.org/events/
 - **Region 1 Annual Dinner Meeting**
 - When: June 25
 - Where: Parker's Lighthouse Restaurant patio
Long Beach, California
 - FMI: See page 7 for details
 - **Angela Persechini McAlarney Memorial Golf Tournament**
 - When: Friday, August 3, 2007
 - Where: Poquoy Brook Golf Club, Lakeville, MA
 - FMI: Bob Persechini - rpersechini@rdkengineers.com
 - **Note: Rescheduled from May 18**
 - **ASHRAE Region 1 Chapter Regional Conference**
 - When: August 16 - 18, 2007
 - Where: Niagra Falls, NY
 - FMI: Russ Stuber, General Chair, Ph: 716-693-4490
 - **AHR Winter Expo**
 - When: January 22 - 24, 2008
 - Where: New York, NY
 - FMI: www.ashrae.org/events
- All Boston Chapter members are encouraged to attend any or all of these meetings.



Student Activities

By Cheryl Rossini

The applications for **The Future Engineers Scholarship** been received and are in the process of evaluation. We have an excellent candidate pool and expect to have results by mid-June. A list of the recipients will be published in the September NorthEastAire as well as be posted on the Boston Chapter website.

On behalf of the Student Activities committee, Jim Shiminski and I would like to thank all members involved in the promotion of the scholarship.



Research Promotion

By Enrique de los Reyes

I would like to thank everyone who has so generously given to the Research Promotion campaign. Thanks to everybody's generosity we should beat our Chapter's goal by almost 20%! As always your generosity is greatly appreciated and will be recognized in the newsletter throughout the year. This fund goes to research projects of great importance to us in fields such as sustainability and improved healthcare environments.

A special thanks to the 2006 Product Show participants and to the 2006 Golf Outing Sponsors since these generous participation from these companies contributed about 1/2 of all contributions to research attributed to our Chapter.

As the ASHRAE year is coming to a close, I want to thank all contributors again and ask every member to consider a donation (large or small) when renewing your membership. Remember this donation is tax deductible (to you or to your employer if they pay for your renewal and donation) and it goes to a great cause. Darcy Carbone will be taking over in Research Promotion for next year and I want to ask that you all support her as you supported me.

Thanks again!

Boston Chapter Officers Attend 1st Annual YEA Leadership Weekend



The Boston Chapter sent Darcy Carbone, Bryan Hermann, Bill Garvey, and Pat Duffy to Atlanta, GA to participate in the first Young Engineers in ASHRAE (YEA) Leadership Weekend. This two day long weekend event helped attendees understand their own personalities and strengths as well as how to utilize the strengths of coworkers to maximize productivity.

The event was a success and was very informative. If you are a young engineer (35 or younger) who is interested in participating next year, please contact your Chapter officers for information.

MARK THE DATES!!

The tentative schedule for the 2007 - 2008 Boston Chapter meetings is:

<u>Date</u>	<u>Location</u>
Tues., Sept. 25	TD Banknorth Garden
Tues., Oct. 9	Doubletree, Waltham
Tues., Nov. 13	Lantana's, Randolph
Tues., Dec. 11	Doubletree, Waltham
Tues., Jan. 8	Doubletree, Waltham
Tues., Feb. 12	Doubletree, Waltham
Tues., Mar. 11	Doubletree, Waltham
Tues., Apr. 15	Product Show, Lantana's
Tues, May 13	TBD
Mon, June 9	Golf Outing

A postcard will be sent to all members later in the summer with the dates, locations and topics.

Please note that locations are subject to change.



Boston ASHRAE Sustainability Committee (BASC)



By Fran Boucher & Jim Shiminski

A reminder: Proposed Standard 189, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings, is being developed by the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) in conjunction with the Illuminating Engineering Society of North America (IESNA) and the U.S. Green Building Council (USGBC). This is the first such green building standard in the United States.

The proposed standard has been released for public review. Comments will be accepted through July 9, 2007.

Other exciting news:

- The USGBC (US Green Buildings Council Affiliate group in Boston, now run by the Green Roundtable) is reorganizing to be more inclusive and to increase cooperation in sustainable design activity. The group will be in operation this Fall. If you are interested in learning more contact Fran at francis.boucher@us.ngrid.com.

- The new Governor of Massachusetts has issued an executive order related to sustainable design that kicks up the state's efforts several notches. As a raw indicator of the magnitude of the anticipated impact, they are hiring five new individuals in DCAM to keep up with this work. Not yet on board with Sustainable design? Jump in while growth in this area is exploding.

Best Golfers Halifax Country Club

LOW GROSS	SCORE	LOW NET	SCORE
Chip Simek	81	Jeremiah Toomey	72
Jim Conley	82	Matt Berry	72
Raymond Thompson	83	Al Arruda	73
		Doherty	73
		Jeff Walker	73

Closest to the Pin Hole #3 - Scott Tomlinson
 Closest to the Pin Hole #8 - Al Arruda
 Closest to the Pin Hole #12 - Dave Martin
 Closest to the Pin Hole #16 - John Connelly

Longest Drive Hole #15 - Al Arruda
 Straightest Drive Hole #1 - Jeremiah Toomey



Best Golfers Poquoy Brook

LOW GROSS	SCORE	LOW NET	SCORE
Ryan Donahue	79	Peter Murphy	74
Mike Bognaski	80	George Hines	74
		Mike Travers	74

Closest to the Pin Hole #3 - George Hines
 Closest to the Pin Hole #8 - Mike Travers
 Closest to the Pin Hole #12 - Ryan Donahue
 Closest to the Pin Hole #15 - Dave McCowan

Longest Drive Hole #10 - Tim McCormick
 Straightest Drive Hole #1 - Dave McCowan



Membership Promotion

By Dan Cooke

ASHRAE has implemented a new membership renewal process, which includes a series of personalized postcards and e-mails that will be sent throughout the ASHRAE renewal grace period. Previous ASHRAE marketing surveys have shown as many as 25% of members did not renew because they had not received notification from Society. The new renewal process is designed to ensure that each member receives proper notification of their ASHRAE renewal. The first reminder notice will be an e-mail sent approximately 130 days prior to a member's expiration date, followed within a week by a renewal package that includes a personalized form and postage-prepaid business return envelope.

Members who do not receive the initial renewal reminder e-mail must be sure their correct e-mail is being used and are encouraged to use an interface on the ASHRAE Web site that quickly checks and updates each member's e-mail address. This interface is accessible through the "Renew Membership" link on the home page. Once a renewed membership is received, ASHRAE will mail a new membership certificate and wallet card as well as payment receipt.

Other incentives for quick renewal include an opportunity to renew at the \$150 annual rate instead of the \$165 annual rate due to take effect on July 1. Active members may elect to pay their chapter dues for up to three years as well when renewing this year.

Members can also visit www.ashrae.org to renew their membership at their convenience. To renew online, each member will need to enter and verify a valid e-mail address during the initial log-in process.

Upon receiving renewal notices, members are urged to remember to check the preprinted information, log on to www.ashrae.org and follow the links for membership renewal.

Persons with questions or comments can call 1-800-527-4723.

ATTENDANCE

**The Boston Chapter of ASHRAE -
May 2007 Meeting
Had 55 in attendance:**

**49 ASHRAE Members
5 Non-Members
1 Student**

REGION 1 ANNUAL MEETING DINNER

WHERE: Parker's Lighthouse Restaurant patio
Long Beach, California.

DATE: Monday, June 25, 2007

TIME: Meet at Headquarter Hotel at 6pm
Cocktail (cash bar) at 6:30pm
Buffet Dinner begins at 7pm.

Buffet Menu:

- Baked Bread
- Pacific Clam Chowder
- House Salad
- Herb Marinated Grilled Chicken Breast with Garlic Roasted Potatoes, Julienne Vegetables and Roasted Chicken Jus
- Pan-Seared Atlantic Salmon with Yukon Gold mashed potatoes, Grilled Vegetables and Roasted vegetable vinaigrette
- Assorted Cakes and Pies
- Coffee, Tea and Soft Drinks

\$40.00 Per person, if postmarked to me by Sat. June 2.
\$45.00 per person after June 2.

Must RSVP to me by Fri., June 15!

Send check or money order payable to "REGION I FUND" at:

Region Dinner
c/o Richard Vehlow
100 McChesney Ave. Apt H8
Troy, NY 12180

Please also email me at rev1969@gmail.com when sending the check so I may be vigilant in looking for your payment. This will also help me keep track of numbers better. Thank you.

For the MapQuesters and Websurfers:

Parker's Lighthouse
435 Shoreline Drive, #1
Long Beach, CA 90802
562-432-6500
www.parkerslighthouse.com

Looking forward to seeing everyone there!

Richard Vehlow
Incoming RVC- Student Activities

SOCIETY NEWS

Building Enclosure Design Award

The Boston Society of Architects' Building Enclosure Council (BEC) has announced the Building Enclosure Design Award, a competition that recognizes innovation in building enclosure design through the art, craft, science, and engineering of high performance building enclosures in Massachusetts. The intent of the award is to promote best practice and innovation in the design, construction, and performance of building enclosures and to encourage information and technology transfer of building enclosure design and the related science.

The panel of judges includes Wagdy Anis, FAIA, of Shepley Bulfinch Richardson & Abbott; David Altenhofen, AIA, of Hillier Architects; Desmond McAuley, AIA, of Childs Bertman Tseckares Inc.; Daniel Lemieux, R.A.; of Wiss, Janney, Elstner Associates, Inc.; Mark Lawton, P.Eng., Morrison Hershfield Limited; Paul Stoller, Director, Atelier Ten; Chris Benedict, R.A., Chris Benedict Architect; and Keith Yancey, AIA, P.E., Lam Partners, Inc..

The competition is open to built projects that conform to the Massachusetts State Commercial Building Code and were completed after January 1, 2002 and before January 1, 2006. Entry fee is \$125 (\$95 - BSA Members) and \$75 (\$65 - BSA Members) for each additional entry by the same firm. Entries must be submitted electronically and are due August 27, 2007. More information is available at <http://committees.architects.org/bec>

ATTENTION MEMBERS!!

Our historical items need a home!!

The Chapter may look into a local library for storage and/or display of their historical items for everyone to use and view.

Contact George Hardisty at gmh@brplusa.com if you have a suggestion for a location or for more information on the items that are available.

Massachusetts Files Case on HVAC Efficiency Standards

Massachusetts Attorney General Martha Coakley's Office filed suit against the Federal Department of Energy (DOE) over the agency's decision not to amend the energy efficiency standard for certain commercial heating, ventilation and air conditioning systems. These products account for a significant share of total U.S. energy consumption and are commonly used in offices, schools and hotels. According to DOE's own studies, tightening the standards for air conditioning products alone could save an estimated 2.913 quadrillion BTUs (a basic unit of thermal heating energy) over a 27-year period, thereby eliminating the need to construct several major power plants. The case was filed in the United States Court of Appeals for the First Circuit. The Natural Resources Defense Council, filed a parallel challenge in the Second Circuit. Earthjustice, a non-profit, public interest law firm, is handling the case for NRDC.

In 2006, the DOE proposed strengthening the standard for certain heating, ventilating and air conditioning systems. On March 7, 2007, the agency refused to move forward its original proposal, claiming that it lacked any statutory authority to do so. Specifically, the DOE interpreted the Energy Policy Act of 2005 as preventing it from tightening the standard until 2010. The Commonwealth disagrees with the new interpretation.

This legal challenge comes on the heels of Massachusetts' April 2 victory over the federal government in the global warming case before the U.S. Supreme Court. Attorney General Coakley commented, "We intend to continue to press the federal government to live up to its statutory responsibilities to address excess emissions of greenhouse gases and other air pollutants. If the federal government focused on problem solving rather than trying to avoid doing its job, we would be much closer to solving many of our environmental problems."

Visit the Government Affairs webpage at <http://www.ashrae.org/governmentaffairs> for government affairs related activities of interest to ASHRAE members and others interested in the built environment. Updated featured articles are listed below. Archives of previous updates will be available on the government affairs webpage).

If you have any recommendations regarding content, or have questions about or would like to participate in Washington Office activities, please contact ASHRAE Government Affairs staff at (202) 833-1830 or washdc@ashrae.org.



What's New in our Chapter

By Bryan Hermann

Meeting Minutes of the Board of Governor's
May 8, 2007 Meeting

Each and every month the Board of Governors have a meeting before the technical meeting to discuss the inner-workings of our Chapter. Many members wonder what's new, what's being discussed, and what's being done to make our chapter better.

Below is a quick summary of what was discussed:

Engineering Week – May 23rd and 24th

Engineering Week will be held at the Engineering Center, located at One Walnut Street in Boston. This will be a benefit to students in middle and high schools. Any questions, please contact Darcy Carbone for more information.

2007 Golf Outing

The Golf Outing is almost completely sold out at Halifax and is close at Peqouy Brook as well. We're still looking for hole sponsors at each of the courses. If you are interested in participating in the event, the information can be found in the Northeast Aire. If you interested in sponsoring the event, or sponsoring a hole for the outing, please contact Bill Garvey for information.

Student Chapters

The Boston Chapter is currently looking to expand our Student Chapter branches. We'd like to increase the amount of colleges involved, and we really should be able to gain more based on the amount of engineering colleges out there. If any member has attended one of these local engineering colleges and would like to help, or give a point of contact, we'd like to form relationships between the Chapter and these Colleges, please feel free to contact us.

We have also begun research for what the Student Branches may be looking for from the Boston Chapter itself (what the Chapter can do for the College). Any info would be greatly appreciated.

Product Show 2008

The Boston Chapter has set the date of April 15th 2008 for next year's Product Show. For additional product show information, or for volunteering assistance, please contact Jeff Schultz.

Product and Roster Guide

The Chapter is currently finishing up on the Product and Roster Guide and we anticipate it to arrive at your doorstep soon!

Upcoming Meetings

There is a June Planning meeting for the upcoming 2007-2008 season. This meeting will be held with all of the Officers, Board of Governors, and committee members to plan out another excellent season. If you have any questions or suggestions about the meeting, please feel free to contact upcoming Chapter President Steve Rosen.

Chapter Website

The new website is up and running! If any Chapter members have any requests or ideas for the new website, or if anyone interested in assisting, please contact Steve Rosen for additional information.

We're also looking to add a blurb on the website about the history of Massachusetts. This will give the chapter website more points and will help bring it closer to an award at year's end!

See you at the next meeting!

Presidential Award of Excellence

Boston Chapter - 2006 - 2007

Chapter Members	Membership Promotion Points	Student Activities Points	Research Promotion Points	History Points	Chapter Organization Points	Chapter Technology Transfer Points	Chapter PAOE Point Totals
911	1160	1,620	1,810	475	1,111	1,920	8,095

2007 - 2008

BOSTON CHAPTER OFFICERS, BOARD OF GOVERNORS & CHAIRPERSONS

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Product Show - April 2008

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&

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ASHRAE RESEARCH

Investors
Who Care
About
Tomorrow

ASHRAE Chapter Contributors

- | | | | |
|--|---|--|---|
| <p>Air Industries, Inc.
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