



## PRESIDENT'S MESSAGE

By: Enrique de los Reyes

In April we had a very successful Product Show. There were 98 booths full of new products from well established HVAC industry vendors/manufacturers. These vendors had all sorts of literature (as well as actual equipment) on new technologies in HVAC. We held eight technical seminars that were well attended. Six of the eight seminars were accredited for 1 or 1.5 professional development hour (PDH) by the Practicing Institute of Engineering, Inc. [These PDHs are acceptable for New York State Professional Engineer continuing education requirements (other states will likely accept this PDH, but as requirements vary from state to state the validity of the certificate for other states must be confirmed by the recipient). We will continue applying for PDHs for future meetings.] I want to thank everybody doing their part in a successful Product Show! First of all, I want to thank the vendors and attendees, as they are the key to making this show interesting and well attended. I want to particularly thank Jeff Schultz for leading the effort to organize the Show; Pat Duffy for reaching out with the emails and taking care of the Attendance desk; Bill Garvey for leading the legion of Student Volunteers in setting up the Show; and, last but not least, all of the (many) people that contributed behind the scenes in so many ways.

As the ASHRAE year comes to a close I would like to remind you of two great events coming up. In May, we will have the installation of officers (see meeting announcement) and in June we will have our annual golf outing. Everyone is encouraged to join these events and bring along friends/family/associates that might be interested. I especially want to encourage everyone to support Darcy Carbone as President for 2006-2007 in every way that you can. Seeing as the success of the ASHRAE year rests very heavily on advance planning, the better the input that each member can provide (in terms of speakers, topics, or other ideas) will result in a more successful year. Everyone is invited to attend the planning meeting, which will take

*Continued on Page 2*

## Installation of Officers

Tuesday, May 9, 2006  
Raso's Grille  
209 Mystic Ave.  
Medford, MA

6:00 pm to 9:00 pm

Dear Members of the Boston Chapter of ASHRAE, Committee Chairs, Committee Members, Officers and Board of Governors:

You are invited to attend the American Society of Heating, Refrigerating & Air-Conditioning Engineers, Inc. Boston Chapter of ASHRAE Installation of Officers 2006 - 07

Please RSVP by email only to Pat Duffy by 12:00 pm  
Friday, May 5, 2006  
[PJD@BRPLUSA.COM](mailto:PJD@BRPLUSA.COM)

Cost is \$25.00 at the door.  
There will be appetizers followed by a dinner buffet and a cash bar

Please join us in welcoming the new officers and to meet the ASHRAE members serving your Chapter.

Directions to Raso's Grille can be found at <http://www.rasosgrille.com/page7.html>

place on Friday June 2<sup>nd</sup> 2006 at the offices of William A. Berry and Sons in Danvers.

Finally, I want to thank everyone for all of the help that I have received this year. Most notable is our terrific North-EastAire Editor, Teri Shannon, who jumped right in just a few months ago and has very smoothly transitioned from our previous (also terrific!) Editor (Nicole Robitaille), and effectively transformed our newsletter into a fully electronic form. We still need assistance with many committees (CTTC, Student Activities, Membership, etc.). If anyone is interested please contact me or Darcy Carbone. Specifically, we need an assistant web master to work in conjunction with our current web master (George Hardisty) who will be vacating the position in about a year.

## 2005-2006 ASHRAE Boston Planning Meeting

**Friday, June 2, 2006  
12:30 PM**

**Office of William A. Berry**

As we get ready for our next season of ASHRAE, we will be holding a planning meeting on Friday, June 2<sup>nd</sup> at 12:30 PM. We will be hosted by our past-President Steve Tafone and his Company, William A. Berry and Sons. Lunch and refreshments will be provided. While it is imperative that all officers, board members, and committee chairs attend, we encourage all members that would like to attend to be at the meeting.

Please RSVP via email to Enrique ([Enrique.de.los.Reyes@mail.ashrae.org](mailto:Enrique.de.los.Reyes@mail.ashrae.org)) by **Friday, May 26<sup>th</sup>** if you are going to be there.

Any comments or suggestions that any member may have are welcome. We appreciate the input of all members. [If anyone cannot attend the meeting, but would like to make a suggestion, please send it to Enrique via email.]

## ASHRAE Boston Chapter 2006-2007 Ballot

### President: Vote

Darcy Carbone, Sebesta Blomberg

Write In

### President-Elect: Vote

Steven Rosen, Autodesk, Inc.

Write In

### Vice President: Vote

Jeff Schultz, BR+A Consulting Eng.

Write In

### Secretary Vote

Bryan Hermann, BR+A Consulting Eng.

Write In

### Treasurer Vote

Bill Garvey, SEI Companies

Write In

### Board of Directors: Vote

Bill Garvey, SEI Companies

Jeff Scogland, R.T. Forbes

Steven C. Bosland, Collaborative Engineers

Enrique de los Reyes, Energy Systems Design Inc.

Write In

Please return via fax to:  
**Enrique de los Reyes**  
**Fax: 508-276-1105**

# PRODUCT SHOW 2006 NEWS

## *A Message from Jeff Schultz, Show Chairperson*

It is not easy organizing an event as big as the Product Show of 2006. Being a volunteer means working on one's own time and maybe a bit on company time to organize. You have to first reserve the site for the show at least a year in advance, then notify all the vendors from previous shows and go through all the catalogs in the office to find new ones. We had to make sure we had the proper liability insurance to protect the chapter and officers. We came up with the Laptop raffle in order to entice the show attendees. As part of the raffle, we had to order 70 plastic fishbowls for each vendor. Now what will I do with the 65 remaining fishbowls sitting in my garage?

This only gives you a very brief idea of what it takes to put on a show like we did in April. The morning of the show during setup, there is so much that could go wrong (i.e. vendors showing up with heavy equipment that exceeds the weight limitations of the show room or just can't fit through the door). To make a long story short, everything went fine with the show and exceeded our expectations. We had approximately 700 attendees for the show!

I want to thank Jeff Scogland for coordinating the seminars, and Enrique de los Reyes for coordinating the PDH points granted by the New York State Practicing Institute of Engineering.

Bill Garvey did a great job directing students from the Massasoit Community College and Wentworth Institute of Technology student chapter volunteers, as they helped vendors move their products into the show room.

Pat Duffy, as always, did a terrific job keeping track of RSVP's and attendance along with Bryan Hermann.

The Boston Chapter Officers and Board of Governors would like to extend a special thank you to the following vendors and manufacturers that supported the Product Show of 2006, and made it stand out to be one of the best:

- |                                     |                                       |                                       |
|-------------------------------------|---------------------------------------|---------------------------------------|
| Air Distribution Corporation        | Frank I. Rounds Company               | Noble Associates, Inc.                |
| Airflow Direction, Inc.             | George T. Wilkinson, Inc.             | Northeast Air Solutions, Inc.         |
| Alfieri-Proctor Associates, Inc.    | Gourley Co.                           | Novia Associates, Inc.                |
| Barclay Water Management, Inc.      | Green Technology Associates, Inc.     | PACE Controls, LLC                    |
| Belimo Aircontrols (USA) Inc        | Hansa Air Conditioning Systems, Corp. | Potomac Enviromental Tech., Inc.      |
| Buckley Associates, Inc.            | HTS Engineering, Inc.                 | Process and Energy Measurements Corp. |
| Building Systems Integrators        | Honeywell ECC                         | RMI Regan Marjollet, Inc.             |
| Burnham Sales Corp.                 | J. & J. Panora – The Blake Group      | R.T. Forbes Company, Inc              |
| Carrier Corporation                 | J.S. Fleming Associates               | RTS, Inc.                             |
| Combustion Heat & Power, Inc.       | Johnson Controls                      | Siemens Building Technologies         |
| Control Consultants, Inc. / Tridium | Kasten & Company                      | S.J. Ginnes Associates, Inc.          |
| Control Technologies, Inc.          | Kenyon-Barstow Co                     | Skinner Associates, Inc.              |
| DAC Sales                           | Kirschner Associates, Inc.            | Stebbins-Duffy, Inc.                  |
| Daikin US Corp.                     | Leonhardt Company, Inc.               | Spirax Sarco, Inc.                    |
| David Gooding, Inc.                 | Martin Engineering Co., Inc.          | Tecogen                               |
| Distributor Corp. of N.E.           | Mechanical Solutions ,Inc.            | Tour Andover Controls                 |
| Ebtron, Inc.                        | Mestek, Inc.                          | Trane                                 |
| Emerson-Swan, Inc.                  | MAH Products                          | Tyco Thermal Controls / Raychem       |
| ENE System, Inc.                    | Munters Corp. /Oak Hill Marketing     | Urell, Inc.                           |
| Equipment Direct Sales, Inc.        | N.R. Metcalf Associates, Inc          | Victaulic                             |
| FIA, Inc.                           | Nelson-Scribner Associates            | WEIL-McLAIN                           |
| Filter Sales & Service, Inc.        | New England Combustion Products, Inc. | W.A. O'Leary Co.                      |
| Fluid Transfer Products, Inc.       | NSTAR Electric & Gas                  | York International                    |

\*\*\*\*\*  
★  
★ Congratulations to **Kevin Egan of Afternoon Air, Inc!** Kevin was the winner of the Dell ★  
★ laptop that was given away at the show as the main door prize. ★  
★  
\*\*\*\*\*

## **New Standard to Drive High Performance Building Practices to the Mainstream**

February 15, 2006 - (Washington, DC) - The U.S. Green Building Council (USGBC); the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE); and the Illuminating Engineering Society of North America (IESNA) announced today that the three organizations have agreed to co-sponsor the development of a new ASHRAE/USGBC/IESNA minimum standard for high performance green building.

Proposed Standard 189, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings, will provide minimum requirements for the design of sustainable buildings to balance environmental responsibility, resource efficiency, occupant comfort and well-being, and community sensitivity. Using USGBC's LEED(R)Green Building Rating System, which addresses the top 25% of building practice, as a key resource, Standard 189P will provide a baseline that will drive green building into mainstream building practices.

Scheduled for completion in 2007, the proposed standard will apply to new commercial buildings and major renovation projects, addressing sustainable sites, water use efficiency, energy efficiency, a building's impact on the atmosphere, materials and resources, and indoor environmental quality.

Standard 189P will be an ANSI-accredited standard that can be incorporated into building code. It is intended that the standard will eventually become a prerequisite under LEED.

"This standard will establish a baseline for a high-performance, green building," ASHRAE president Lee Burgett, P.E., said. "It will allow us to provide for the needs of the present without detracting from the ability to fulfill the needs of the future. Our partnership with USGBC to develop the proposed standard draws on their extensive experience in the green building market and assures that the needs of those who create sustainable buildings are met. We also are pleased to partner again with IESNA, building on the earlier efforts of our two societies in creating design guidance for more energy efficient buildings."

*Engineers participate in the activities which make the resources of nature available in a form beneficial to man and provide systems which will perform optimally and economically.*

L.M.K. Boelter, 1957

"We are proud to work with ASHRAE and IESNA to bring high performance green building practices to the mainstream," said Rick Fedrizzi, President, CEO and Founding Chair, USGBC. "USGBC's mission is market transformation, and we've long recognized the need to reach beyond the market leaders served by LEED to accomplish it. Given ASHRAE's integrity and long history of leadership in energy efficiency and indoor environment, and IESNA's technical strength in lighting, they're the ideal partners in the effort. We're confident that the baseline standard we'll develop together will raise the entirety of the commercial building marketplace to a new level of resource efficiency."

Fedrizzi noted that concurrent with this initiative, USGBC will begin work on LEED v3.0, which will encompass major advancements in building science and technology, such as LifeCycle Assessment and bioregional weighting.

"Sustainability is the next natural progression in the evolution of standards for building design, allowing us to weigh system solutions against the impact on the environment, while ensuring that buildings meet the needs of those who must work or live in them," said Dr. Alan Lewis, president, IESNA. "Sustainable design is a collaborative approach to architecture and construction and IESNA is pleased to be in partnership with ASHRAE and USGBC."

### **A Message from the Webmaster**

*By George Hardisty*

I would like to remind everyone that they can obtain the updated meeting schedule as well as the **NorthEastAire** on the website. Also, you may post your employment ads on the site at a cost of only \$50.00 per month. This is an excellent source to recruit highly qualified people, at a very reasonable cost. Please feel free to contact me at [gmh@brplusa.com](mailto:gmh@brplusa.com) if you have any questions.

On another note, next year will be my last year as the Chapter Webmaster, and we need someone who is interested in assuming this position. If you are interested and would like to assist me next year to "learn the ropes", please let me know.

# What's New in our Chapter

Meeting Minutes of the Board of Governor's  
April 11, 2006 Meeting

By Bryan Hermann

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:

## Scholarships

Jim Shiminski and Cheryl Rossini have distributed all of the scholarship information via email, website, and hard copy form. Each Scholarship is valued at \$2,000 and any high school, or 1<sup>st</sup> or 2<sup>nd</sup> year college students in ANY engineering field are eligible for this scholarship. Spread the word and have interested parties sign up - the deadline for this scholarship has been extended to April 17<sup>th</sup>!

## 2006 Golf Outing

The 2006 Golf Outing is already filling up fast; the Country Club of Halifax is completely sold out already and Poquoy Brook Golf Course in Lakeville, MA is 75% filled – so get your applications into Bill Garvey soon! Any other Golf Outing information, please contact Bill Garvey.

If there are any companies interested in Hole Sponsorships, Bill Garvey is looking to fill those spots. He will be following up with everyone soon, so keep an eye out and please consider marketing your company name with a Hole Sponsorship!

## Research & Promotion

Steve Tafone announced that the Boston Chapter is currently nearly half-way to our annual goal, but we need to keep up the generosity! Our goal is to be in 1<sup>st</sup> place in the Region, but we can't do it without you. Any additional information in regards to Research & Promotion, please contact Steve.

## Chapter Website

The Chapter is looking into possibly expanding the information available via the Chapter's website. Examples of this expansion such as a "Past President's" page and "Student Activities" page as well. We will keep you informed as things progress.

George Hardisty will need help on the website next year and it will be his final year as Chapter Webmaster. Anyone interested in assisting George and eventually taking over as Chapter Webmaster please feel free to contact George.

## Next Year's Meetings

It's hard to believe that another season is almost completed, but it's about that time to discuss the 2006-2007 season. The Chapter Officers and Board of Governor's are calling for a Planning meeting to discuss the topics for next year. The meeting will be some time in June.

## 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](http://www.ashrae.org) or contact our Membership Chairperson Dan Cooke for more membership information.

**See you at the next meeting!**

## **Presidential Award of Excellence**

### **Boston Chapter - 2005 - 2006**

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	450	150	103	500	949	945	3,097

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## **Historian's Column** *By Robert J. Barstow*

I thought that I would get some comment on the 3-pipe steam system mentioned two months ago, but not a one.

After the one-pipe steam system, naturally, came the two-pipe, two valve system. The radiator return line had a hand valve as well as the supply side and the condensate traveled down to the basement where it was connected to a low, below-the-boiler-water-line, return main. This water seal prevented the steam in the returns from radiators from short-circuiting and feeding steam back up the return line. If one wanted to shut off a radiator it was necessary to shut off both the supply and return valves. Otherwise return lines from above or below would back-feed into the radiator. The comments about pressure and condensate return to the boiler made two months ago regarding one-pipe systems apply also to the two-pipe, two valve system. Also the cautions about replacing the boiler apply.

After the two-pipe, two valve system came the two-pipe trapped system. The trap on each radiator and main drips kept the steam from entering the return piping, and converted the return mains from "pressure wet returns" to "no pressure wet returns". Radiator air vents were eliminated as the air could travel in the return piping and vented out at a central location.

With no pressure in the return system, the condensate could not get back into the boiler. This was overcome by the installation of a "boiler return trap". This trap was located above and adjacent to the boiler, had two check valves in the return piping, and a connection to the steam piping. When condensate built up in the return piping, a float in the boiler return trap flipped and allowed boiler steam pressure to push on the water column to equalize the levels. One check valve prevented the condensate from going back in the return piping and the other one opened to the boiler. The steam pressure was equal on both sides so the condensate was forced back into the boiler. Many people (plumbers) did not understand the boiler return trap and when the float failed, they would install a condensate pump. This, unfortunately, made a system that worked without electric power into one dependent on it.

There are many of these trapped systems around Boston and they often need new thermostatic elements, which have failed and allow steam in the return piping. You can tell when this is happening because steam will come out the condensate pump vent. Many of the trap manufacturers have gone out of business, but thermostatic elements can be obtained from Barnes & Jones, an old time local company, and from other manufacturers such as Tunstall.

## **Membership Promotion** *By Dan Cooke*

Please join me in congratulating the following Boston Chapter members on reaching significant ASHRAE milestones:

Robert E. Couture	Fifty-Year Member
George P. Fandel, Jr.	Fifty-Year Member
Armen Gechjian	Fifty-Year Member
William S. Warner	Fifty-Year Member
Robert C. Ritchie	Life Associate Member
Francis Ferreira	Life Fellow Member
Robert O. Smith	Life Member
Afzal S. Heusen	Life Member

Members wishing to update their profiles, verify their personal information (preferred mailing address, e-mail, etc.) and/or pay yearly membership dues can do so through the ASHRAE Society website ([www.ashrae.org](http://www.ashrae.org)). Send an e-mail to my attention if you would like assistance in applying for membership advancement, or if you have any questions on ASHRAE membership ([dcooke@vanderweil.com](mailto:dcooke@vanderweil.com)).

### **NorthEastAire**

#### **DEADLINE**

**The deadline for the June newsletter is May 15th.**

Want ads can be a maximum of 1/8 of a page (business card size 3 1/2" x 2"). The cost is \$200 per month, and a check should be submitted with your ad, made payable to "ASHRAE - Boston Chapter". Company logos can be placed in your ad; these will need to be provided in either a .jpg or .gif file format. Logos designed in Microsoft Word are not acceptable.

Ads may be sent via e-mail or regular mail to:

#### **ASHRAE**

Attn: Teri Shannon

c/o DAC Sales

P.O. Box 576

W. Kennebunk, ME 04094

E-mail: [tshannon@dac-hvac.com](mailto:tshannon@dac-hvac.com)

You may also place an ad on our website

**[www.ashraeboston.org](http://www.ashraeboston.org)**

Contact George Hardisty at BR+A, 617-254-0016 ext 308, for more information.

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

# ATTENTION

## ASHRAE Boston Chapter Members

There has been a growing trend within the Boston Chapter of members reserving seats for the meetings and failing to attend. We recognize that the business can have unexpected twists and turns, as well as weather conditions and family matters. But the Chapter is finally responsible for the reservation quantity that is called in to the hotel prior to the actual meeting date. And as a result, the Chapter must pay for those reserved spaces even if the member does not attend. This also results in other members, who may be very interested in attending, to be turned away when a meeting is completely booked. This becomes a financial loss and a disappointment on many accounts when those that reserve seats do not show up.

The Boston Chapter has implemented a rule, effective immediately, requiring that all members that reserve a spot for the meeting be responsible for that reserved space. They will have until 12:00pm the day of the RSVP deadline to cancel the meeting reservation. Failure to comply with this rule will result in the attendee being responsible for the payment of that reservation.

We as a Chapter are hoping to do as much as possible for our Chapter and it's members, whether it is as simple as providing more prizes for the golf outing, or providing more donations to other parties in need, scholarships to students looking to enter the HVAC industry, or even providing more Chapter sponsored events for everyone to enjoy. The more money spent on such things as empty chairs takes away from the excellent other opportunities that we may have previously been able to provide.

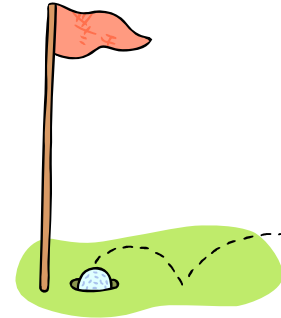
Thank you for your understanding and your continued support of the Boston Chapter of ASHRAE.

*ASHRAE Boston Chapter Officers*



# GOLF OUTING UPDATE

The Halifax course is completely sold out. There are (5) open foursomes at Poquoy Brook but you must act quick! Call Bill Garvey @ SEi Companies to reserve your spot today! Bill can be reached at (617) 210-1711. Don't be left out!



There are still hole sponsorships available - call Bill today to get your company's name on the green!

Our thanks to the following companies who have already sponsored a hole:

### Contest Holes:

- ◆ Longest Drive Sponsor - SEi Companies
- ◆ Closest to the Pin Sponsor - Daikin A/C

### Hole Sponsorships:

- ◆ Alfieri-Proctor Associates
- ◆ DAC Sales
- ◆ Emerson-Swan
- ◆ Leonhardt Company
- ◆ Nelson Scribner Associates
- ◆ Northeast Air Solutions
- ◆ RDK Engineers
- ◆ Stebbins Duffy, Inc.



# Annual Golf Outing

The Boston Chapter is planning the 41st Annual Golf Outing and Banquet, to be held at the Country Club at Halifax, in Halifax, MA, on **MONDAY, JUNE 5, 2006**.

We are appealing to your continued generosity for monetary contributions for the purpose of purchasing gifts to be awarded as golf and door prizes. In order to give the Prize Committee ample time to purchase these gifts, we would appreciate receiving your donations by **May 5, 2005**.

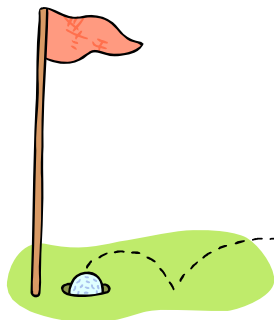
A donation of fifty dollars would be most welcome and more would be great appreciated! All donations will be publicly acknowledged by being published in the NorthEastAir bulletin.

We also welcome Hole Sponsorship. If you are interested in participating, please return the completed form (found on page 11 of the newsletter) with your contribution.

Please make check payable to A.S.H.R.A.E., Boston Chapter, and mail to:

**A.S.H.R.A.E. Golf Outing Committee**  
**c/o Bill Garvey, SEI Companies**  
**88 Black Falcon Ave., Suite 210**  
**Boston, MA 02210**

Very truly yours,  
ASHRAE Golf Outing Committee  
Bill Garvey, Chairman  
Robert J. Persechini, Prize Chairman





# 41st ANNUAL ASHRAE BOSTON CHAPTER GOLF OUTING

- Date: MONDAY, JUNE 5, 2006
- Place: COUNTRY CLUB OF HALIFAX, Halifax, Massachusetts  
POQUOY BROOK GOLF COURSE, Lakeville, Massachusetts
- Who: ASHRAE members and guests, by reservation only. Tickets will be sold on a first-come, first-serve basis, and all reservations MUST BE MADE BY **MAY 5, 2005**.
- Price: \$130.00—NO TICKET SALES AT THE DOOR  
This includes greens fees, electric carts, cheese table for cocktail hour, and five course dinner. Prizes for everyone plus golf prizes.
- Halifax Tee Time: 1:00 PM We will have a shot gun start. Two foursomes (total of 8) will drive their carts out to their pre-assigned tee (on Par 3 tees, only one foursome will tee off). Eighteen foursomes will tee off at the same time, 1:00 PM sharp. It is important that you be there ahead of time. This is regular play.
- Poquoy Brook: Because we sell out every year, any overflow will play at Poquoy Brook in Lakeville. This will be either shot gun or tee times, depending on how many foursomes are registered by May 6th. If tee times, they would be 9:30 AM to 12:45 PM.
- We need to know the foursomes as soon as possible and recommend that you call immediately for reservations, even if you do not have all the names of those in your group. Contact Bill Garvey (Phone: 617-210-1711 or Fax: 617-210-1800). **IMPORTANT: Need the sizes of those in your foursome.**
- Dinner Only: A separate meal ticket may be purchased for those who do not play golf. Cost is \$35.00.
- Note: All courses require that we follow course rules: Proper dress code—No jeans, tank tops, bathing suits. No metal spikes. You are responsible for the golf carts you drive.
- Lunch: Dutch treat from regular luncheon menu. ARRIVE EARLY.
- Happy Hour: 6:30 PM to 7:00 PM—Dutch treat in Club House.
- Dinner: 7:00 PM - Complete roast beef dinner, beverage and dessert.
- Prizes: Prizes will be given out at check-in time for each foursome, and we want everyone to have a good time! Please support our need for donations.

Make checks payable to A.S.H.R.A.E. Boston Chapter

Mail to: Bill Garvey @ SEI Companies  
88 Black Falcon Ave., Suite 210  
Boston, MA 02210

Enclosed is check for \$ \_\_\_\_\_ for \_\_\_\_\_ Golf Outing, reservations, including dinner @ \$130.00 each.

\_\_\_\_\_ Dinner only reservations @ \$35.00 each

Name: \_\_\_\_\_ Address: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ E-Mail: \_\_\_\_\_

Shirt sizes: Men/Quantity: S \_\_\_\_ M \_\_\_\_ L \_\_\_\_ XL \_\_\_\_ XXL \_\_\_\_ XXXL \_\_\_\_

Women/Quantity: S \_\_\_\_ M \_\_\_\_ L \_\_\_\_ XL \_\_\_\_ XXL \_\_\_\_ XXXL \_\_\_\_

# HOLE SPONSORSHIPS

(\$200 EACH)

HOLE SPONSORSHIPS WILL INCLUDE A SIGN ON A HOLE

## CONTEST HOLES:

(\$500 EACH)

### CONTEST HOLE SPONSORSHIPS:

1. LONGEST DRIVE
2. CLOSEST TO THE PIN
3. STRAIGHTEST DRIVE

HOLE SPONSORSHIP \_\_\_\_\_

CONTEST HOLE SPONSORSHIP \_\_\_\_\_

INDIVIDUAL SPONSORSHIP \_\_\_\_\_

MAKE CHECKS PAYABLE TO A.S.H.R.A.E. BOSTON CHAPTER

Mail to: Bill Garvey @ SEI Companies  
88 Black Falcon Ave., Suite 210  
Boston, MA 02210

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

PHONE: \_\_\_\_\_

E-MAIL: \_\_\_\_\_



2005 – 2006

BOSTON CHAPTER OFFICERS, BOARD MEMBERS AND CHAIRPERSONS

<u>OFFICERS</u>	<u>TELEPHONE</u>	<u>FAX</u>	<u>BOARD OF GOVERNORS</u>	<u>TELEPHONE</u>	<u>FAX</u>
President: Enrique de los Reyes, P.E.; Energy Systems Design	508-276-1102	508-276-1105	2003-06: Dave Klee; York International Jason Peterson; RDK Engineers	781-232-0611 978-475-0298	781-769-7339 978-475-5768
Pres. Elect: Darcy Carbone, Sebesta Blomberg & Associates	781-721-3949	781-721-7221	Jeff Schultz; BR+A	617-254-0016 x242	617-924-9339
Vice Pres.: Steven Rosen, Autodesk, Inc.	603-621-3259	603-206-9105	2004-07: Bryan Hermann; BR+A John Swift; Cannon Design	617-254-0016 x295 617-724-5440	617-924-9339
Secretary: Bryan Hermann, Bard, Rao + Athanas Consulting Engineers, LLC	617-254-0016 x295	617-924-9339	2005-08: Daniel Cooke; Vanderweil Eng. Patrick Duffy; BR+A	617-423-7423 617-925-8255	617-956-4567 617-924-9339
Treasurer: Jeffrey Schultz, Bard, Rao + Athanas Consulting Engineers, LLC	617-254-0016	617-924-9339	Jim Shiminski; DAC Sales	207-985-0873	207-985-0874

<u>COMMITTEES</u>	<u>CHAIRPERSONS</u>	<u>TELEPHONE</u>	<u>FAX</u>
Attendance	Patrick Duffy, Bard, Rao + Athanas Consulting Engineers, LLC	617-925-8255	617-924-9339
Chapter Program	Darcy Carbone, Sebesta Blomberg & Associates	781-721-3949	781-727-7221
Chapter Technology Transfer	Steven Rosen, Autodesk, Inc.	603-621-3259	603-206-9105
CRC Alternate	Darcy Carbone, Sebesta Blomberg & Associates	781-721-3949	781-727-7221
CRC Delegate	Enrique de los Reyes, P.E.; Energy Systems Design	508-276-1102	508-276-1105
Golf Outing	William J. Garvey, SEI Companies	617-210-1711	617-210-1880
Greeting	Steven Tafone, William Berry & Sons	978-774-1057	978-777-8217
Historian	Bob Barstow, Barstow Engineering	617-262-0420	617-262-5839
Honors & Awards	Robert Persechini, RDK Engineers	617-345-9885 x322	617-345-4226
Membership Promotion	Daniel Cooke, Vanderweil Engineers	617-423-7423	617-956-4567
Nominating	Robert Persechini, RDK Engineers	617-345-9885 x322	617-345-4226
NorthEastAire	Teri Shannon, DAC Sales	207-985-0873	207-985-0874
Product Show	Jeff Schultz, Bard, Rao + Athanas Consulting Engineers, LLC	617-254-0016 x242	617-924-9339
Refrigeration	Ben McLaughlin, Fluid Industrial Associates, Inc.	781-938-8900	781-933-3965
Region I	Lynn G. Bellenger, PE, Pathfinders Engineers	585-218-0730	585-218-0737
Research Promotion	Steven Tafone, William Berry & Sons	978-774-1057	978-777-8217
Student Activities	Jim Shiminski, DAC Sales	207-985-0873	207-985-0874
Website	George M. Hardisty, P.E., Bard, Rao + Athanas Consulting Engineers, LLC	617-254-0016 x308	617-924-9339

**2005 - 2006 MEETING SCHEDULE**

<u>DATE</u>	<u>MAIN MEETING</u>	<u>MAIN SPEAKER</u>	<u>MEETING MANAGER</u>
September 13, 2005 Sam Adams Brewery Tour Membership & Resource Promotion Night	Brewery Tour Refrigeration	Steve Tafone, P.E.	Darcy Carbone
October 11, 2005 Joint Meeting NAWIC Student Night	Understanding Waterhammer in Steam Systems	Wayne Kirsner, P.E.	Darcy Carbone
November 8, 2005 Joint Meeting with ASPE DoubleTree, Waltham	Variable Refrigerant Volume/Variable Refrigerant Flow	Russel J. Tivolacci	Darcy Carbone
December 6, 2005 Joint Meeting with AEE Student Night -DoubleTree, Waltham	Chapter 13 Energy Code Revisited	Nicholas Johnson, P.E.	Nicholas Johnson, P.E.
January 10, 2006 History, Past President's Night DoubleTree, Waltham	Refrigeration Design	Steve Tafone, P.E.	Steve Rosen
February 7, 2006 Student Night - DoubleTree, Waltham	"Who's In Charge Here?"	Panel	Jim Shiminski
March 14, 2006 Student Night - DoubleTree, Waltham	Air Filtration - MERV Ratings	Steve Nicholas	Steve Rosen
April 11, 2006 Lantanas, Randolph	Product Show	Various TBD	Jeffrey Schultz, Bill Garvey & Jeff Scogland
May 9, 2006 Social Event - Raso's Grille, Medford, MA	Installation of Officers		Darcy Carbone
June 5, 2006	Golf Outing - Halifax Country Club		William J. Garvey



# ASHRAE RESEARCH

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<p>Mail Check To: ASHRAE RESEARCH C/O WILLIAM A. BERRY &amp; SONS 99 CONIFER DRIVE DANVERS, MA 01923 ATTN: STEVE TAFONE</p>	<p><b>Your contribution puts us closer to achieving our goal. Please send what you can today!</b> Individual contributions of \$100 or more and Corporate contributions of \$150 or more receive this year's Commemorative Coin and Honor Roll Contribution status.</p>												
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