Boston ASHRAE Chapter

Installation of Officers &
Chapter Supporter Appreciation Dinner
Tuesday, May 13

When: Tuesday, May 13, 2008
Where: Anthony’s Pier 4
Boston’s Historic Waterfront - 140 Northern Ave.
(Visit www.pier4.com/anthony.cfm for directions)

Time: 5:00 - 6:00 pm Cash Bar & Appetizer Buffet
6:00 - 7:30 pm Dinner
7:30 - 8:00 pm Awards Ceremony
8:00 - 8:30 pm Installation of Officers

Menu:
Clam Chowder
Glover Salad
Medium Boiled Lobster OR Petit Filet **
Baked Alaska
Hot Popovers

Guest Master of Ceremonies: Garry Meyers, Region 1 DRC

Cost per person: Members, with ASHRAE member number: $30
Non-Members: $45, no walk-ins permitted
Parking: $5 valet parking

RSVP is mandatory for all attendees - Please RSVP early as space is limited!

Please RSVP to crossini@dac-hvac.com by Friday, May 9 - no phone calls please

** When you RSVP, please indicate your name, company and your preference for lobster or filet

Statements made in this publication are not expressions of the Society or of the Chapter and may not be reproduced without special permission of the Chapter.
PRESIDENT’S MESSAGE

By Steve Rosen

Our Product Show at Lantanta’s in Randolph, MA on April 15th was a huge success and was attended by 650 people! Thanks again to all who made this happen. You can read who the raffle winners were in our newsletter, but the entire Boston ASHRAE community was a winner in benefiting from the show!

Our next meeting on May 13 will take place at Anthony’s Pier 4 in Boston. Please see our website for directions and further details. This will be our Chapter Sponsor Appreciation Night & Installation of Officers meeting and all are welcome to attend. You can vote for your Officers at the meeting or use the ballot in our newsletter (see page 4).

Please feel free to send me e-mail at any time to express any comments, concerns or requests of your ASHRAE Chapter. See you at the next meeting!

Steve
Steven.rosen@autodesk.com

“Appreciation is a wonderful thing: It makes what is excellent in others belong to us as well.”

- Voltaire (1694 - 1778)

Editor’s Note

By Teri Shannon

Materials for the June newsletter are due May 21.

Employment / want ads may be submitted; they need to be in Word format. A company logo (in .gif or .jpg format) may be included.

For more information, please call or e-mail me at 207-985-0873 or tshannon@dac-hvac.com. You can also visit the Boston Chapter website at www.ashraeboston.org/committees/northeastaire.html

Future Engineers Scholarship 2008

The 2008 Future Engineers Scholarship application has been posted on our Boston Chapter of ASHRAE website (www.ashraeboston.org). Through the generosity of our donor, Mr. Chai Srisirikul, we are awarding 14 scholarships in the amount of $2000. The deadline is May 30, 2008.

High school seniors and first & second year college students pursuing an engineering education are eligible to apply; please forward the link below to any student you know. We count on your help in distributing this application since we use ASHRAE Boston Chapter as our main network for this task. Students need to be Massachusetts residents or attend a college in Massachusetts.

www.ashraeboston.org/scholarship-info.html

GOLF OUTING UPDATE

Halifax Country Club is completely booked! There are still spaces left at Poquoy Brook, but they are filling up fast. Call Bill Garvey @ SEi Companies to reserve your spot today! Bill can be reached at (617) 210-1711 or via e-mail at bgarvey@seicompanies.com. 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
♦ Straightest Drive Sponsor - JS Fleming

Hole Sponsorships:
♦ AHA Consulting Engineers
♦ Atlantic Air Products
♦ BR+A Consulting Engineers
♦ Nelson-Scribner Associates
♦ RDK Engineers
♦ RMI, Inc.
♦ R.T. Forbes Company
A Message from Jeffrey Schultz, Show Chairperson

It is not easy organizing an event as big as the Product Show of 2008. 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. By mid to late March all the booths were sold out, but that didn’t stop the phone calls from out of state vendors who were tipped off about our show from clients to the manufacturers they represented. My motto this year was “No vendor will be left behind” - sound familiar?

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 have gone 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). However everything went fine with the show and exceeded our expectations. We had approximately 650 to 700 attendees at the show! Photos from show can be seen on page 6.

I want to thank Fran Boucher and Enrique del Reyes for scheduling and coordinating nine (9) seminars. Also thanks to Steve Bosland for coordinating the PDH points granted by the New York State Practicing Institute of Engineering.

Bill Garvey did a great job directing the young men from the Massasoit Community College student chapter of ASHRAE, as they helped vendors move their products into the show room.

Chris Kerr did a terrific job keeping track of RSVP’s and attendance along with Bryan Hermanny and Bill Garvey.

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 2008, and made it stand out to be one of the best:

- Air Distribution Corporation
- Air Industries, Inc.
- Alfieri-Proctor Associates, Inc.
- APC-MGE
- Applied Energy Recovery Systems
- Atlantic Air Products Mfg LLC
- Belimo Aircontrols (USA) Inc
- Bell / Simons
- Boston Air Products
- Buckley Associates, Inc.
- Burnham Commercial
- Carrier Corporation
- Climate Energy
- Combustion Heat & Power, Inc.
- Control Consultants, Inc. / Tridium
- Control Technologies, Inc.
- Conservation Solutions Corporation
- DAC, Sales
- Distributor Corp. of N.E.
- Eaton Corporation
- Ebtron, Inc.
- Emerson-Swan, Inc.
- ENE System, Inc.
- Equipment Direct Sales, Inc.
- FIA, Inc.
- Filter Sales & Service, Inc.
- Fluid Transfer Products, Inc
- FMC Technologies, Inc.
- Frank I. Rounds Company
- GMP Lab Products
- Gourley Co.
- Green Technology Associates, Inc.
- Grinnell Mechanical Products
- HTS Engineering, Inc.
- Honeywell
- Honeywell Analytics
- Honeywell EEC
- J.S. Fleming Associates
- Johnson Controls, Inc. / York Equipment
- K-Flex USA
- Kasten & Company
- Kenyon-Barstow Co
- Kirschner Associates, Inc.
- Leonhardt Company, Inc.
- Martin Engineering Co., Inc.
- Mechanical Solutions, Inc.
- M.A. Selmon Co., Inc.
- McGill Air Flow, LLC.
- Mestek, Inc.
- New England Combustion Products, Inc.
- Noble Associates, Inc.
- Northeast Air Solutions, Inc.
- Oak Hill Marketing / Munters Corp
- Process and Energy Measurements
- Process Solutions
- RMI Regan Marjollet, Inc.
- R.T. Forbes Company, Inc
- RST, Inc.
- S.G. Torrice Co., Inc.
- Siemens Building Technologies
- Stebbins-Duffy, Inc.
- Spirax Sarco, Inc.
- Tecogen
- Tour Andover Controls
- Tower Tech Inc.
- Trane
- Trumbull Campbell Associates, Inc.
- Tunstall Corporation
- Unifrax LLC
- Urell, Inc.
- Victaulic
- WEIL-McLAIN
- W.A. O’Leary Co.
- Williston – Allen Associates

Congratulations to the following prize winners!!

- 42” plasma HDTV: Hugh O’Connor of Wyeth
- Red Sox tickets: Jim Chamberlain of BR + A (tickets were generously donated to the Chapter by Emerson-Swan)
- $100 Home Depot gift certificate: Richard Phelan of Mass Maritime Academy
- $100 Phantom Gourmet gift certificates: Kevin Caddle of TMP and Darcy Carbone of Stebbins Duffy.
- iPod Shuffles: Raphael Figueroa of TRO/Jung Brannen, Scott Clements of Vanderweil Engineers & Eric Pariseau of Lake HVAC
- Wentworth Institute of Technology Gift Bag: Susan Barstow
**Research Promotion**

*By Darcy Carbone*

I would like to thank everyone who has so generously given to the Research Promotion campaign. We are still in need for donations to make our goal this year. 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.

Several of the key Engineering firms are joining us in this cause. They have made very generous donations and we hope that other key Engineering firms will join us for next year’s campaign.

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.

**Membership Promotion**

*By Dan Cooke*

Boston Chapter member William Mayer III was approved for advancement to Member grade during the March 12th meeting of 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. Send an e-mail to my attention if you would like assistance applying for advancement, or if you have any questions on ASHRAE membership (dcooke@rdkengineers.com).

Members can verify their personal information (preferred mailing address, e-mail, etc.) as well as pay yearly membership dues through the ASHRAE Society website (www.ashrae.org). Please take a moment to make sure that your membership dues are up to date. Members who are more than 6 months delinquent on their Society Dues will be cancelled.

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**ASHRAE Boston Chapter 2008 - 2009 Ballot**

Ballots must be returned to ASHRAE Boston by Monday, May 12, 2008. Members may also cast their ballots in person at the May 13, 2008 membership meeting.

**President: Vote**

Jeff Schultz, BR+A Consulting Eng. □

Write In

**President-Elect: Vote**

Bryan Hermanny, BR+A Consulting Eng. □

Write In

**Vice President: Vote**

Bill Garvey, SEI Companies □

Write In

**Secretary Vote**

Pat Duffy, BR+A Consulting Eng. □

Write In

**Treasurer Vote**

Bill Garvey, SEI Companies □

Write In

**Board of Directors: Vote**

Darcy Carbone, Stebbins-Duffy □

Jim Liston, William A. Berry □

Todd Mason, MTE Engineering □

Write In

Please return via fax or e-mail to:

**Jeffrey Schultz**  
Fax: 617-924-9339  
E-mail: jhs@brplusa.com
Energy Modeler/Sustainable Design Consultant

The Green Engineer, LLP is seeking the right individual to help us provide energy modeling and sustainable design consulting services for our growing list of projects in the New England area.

The ideal candidate will have:
- experience modeling with eQuest or similar software
- knowledge of HVAC systems, and ASHRAE 90.1
- an engineering or architecture degree
- LEED AP
- good communication skills and native intelligence
- strong customer service instincts
- a desire to change the world

The Green Engineer, LLP is a small firm with a terrific client list and ample opportunities for growth. We offer a friendly, low-key work environment, flexible work hours with telecommuting available, good benefits, competitive salaries, and open book accounting with performance bonus opportunities.

If this sounds like the place for you, email your resume to chris@greenengineer.com or mail to:

The Green Engineer, LLP,
50 Beharrell Street
Concord, MA, 01742.
www.greenengineer.com

Commissioning / Mechanical Engineers

Cornerstone Commissioning, Inc. is a commissioning service provider with a strong national reputation in laboratory, vivarium and bio-containment facilities. We have rewarding opportunities available for Mechanical Engineers with a minimum of 10 years of construction project experience with MEP and building automation system operation. Hands-on commissioning and start-up experience is preferred. A four year engineering degree or equivalent is required. In this role, you will work closely with clients during design, construction and acceptance phases, focusing on facility operation, functionality and performance.

Compensation is competitive and includes healthcare benefits, a retirement account, an incentive program and a minimum of two weeks of training per year.

What types of people does Cornerstone employ?
- Team-oriented people with a strong work ethic
- Self-directed, not requiring substantial oversight
- Technical expertise and attention to detail
- Strong oral and written communication skills

Please send resumes to info@cxhvac.com or mail to:

Cornerstone Commissioning, Inc.
11 Cold Spring Drive
Boxford, MA  01921
www.cxhvac.com

Upcoming Events

Young Engineers in ASHRAE (YEA) Leadership Seminar
When: May 24, 2008
Where: Atlanta, GA
FMI: Steve Rosen, Steven.rosen@autodesk.com

ASHRAE Boston Golf Outing
When: June 2, 2008
Where: Halifax Country Club, Halifax, MA
FMI: Bill Garvey, bgarvey@seicompaines.com

ASHRAE Annual Meeting
When: June 21- 25, 2008
Where: Salt Lake City, UT
FMI: www.ashrae.org/events

BR+A for MDA Golf Outing
When: August 15, 2008
Where: Juniper Hill Golf Course, Northborough, MA
FMI: Jonathan Chan, jjc@brplusa.com

AHR Expo
When: January 26 - 28, 2009
Where: McCormick Place, Chicago, IL
FMI: www.ahrexpo.com
ASHRAE/ASHE Standard 170P

PURPOSE: The purpose of this standard to define ventilation system design requirements that provide environmental control for comfort, asepsis, and odor in health care facilities.

SCOPE: The requirements in this standard apply to patient care areas and related support areas within health care facilities, including hospitals, nursing facilities and outpatient facilities. This standard applies to new buildings, additions to existing buildings, and those alterations to existing buildings that are identified within this standard.

This standard considers chemical, physical, and biological contaminants that can affect the delivery of medical care to patients, the convalescence of patients, and the safety of patients, health care workers and visitors.

SUMMARY: This Standard is co-written by ASHE (American Society of Healthcare Engineering) and is a Code Intended Document, (CID) using mandatory code language, i.e. shall versus should, throughout the document. This standard will be going out for a 4th public review process in March, 2008. There is a Filtration Section 6.4 that identifies additional requirements (i.e. air filter gage, etc.) and includes a Filter Efficiency Table 6.1 found on page 13.

I would encourage all individuals involved in the healthcare industry to consider reviewing this table and consider making comments. Please take note on Filter Bank No. 1 minimum efficiency requirement MERV 7; this is not consistent with the AIA 2006 Guidelines or ASHRAE Handbook Applications-2007 which specifies a MERV 8 filter. Skilled nursing care facilities are only required to use MERV 7 filters only… again this is not consistent with AIA or ASHRAE requirements both of which specify a MERV 13 filter for this application.

Student Activities
By Joshua Benoist

We have GREAT NEWS from the Student Activities home front. We will soon be expanding our Student Chapter branches with a new Student Chapter!!! Last January alumni of Mass Maritime Academy approached us and offered to help put us in touch with faculty. We needed to identify a faculty member on campus that will sponsor the student chapter. These alumni championed this student chapter. I wish to thank David Goodman at DAC Sales for being our liaison and champion. We also want to thank George Howe for being our faculty sponsor at Mass Maritime Academy. In March, our Board of Governors voted to recognize the Student Chapter; the next step is to have the Chapter approved by the National ASHRAE Society in June. Once the Chapter has been approved at the Society Level we will have a ceremony at one of the fall meetings. At that time we will present the MMA Chapter with a check, banner and their chapter materials.

The Boston Chapter is and will continue to look to expand our Student Chapter branches. We’d like to increase the amount of colleges involved. We really should be able to gain more student chapters, based on the amount of engineering colleges out there.

We need more champions!!! We have many alumni of Massachusetts colleges and universities in our midst. We need you to step up to the plate and be that liaison between our chapter and your contacts at the college or university. We need to identify and contact a faculty member that is willing to devote some time facilitating the new student chapter.

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 our Chapter and one of these colleges.

Potential colleges (With Applicable Engineering Courses) we would like to target are:

University of Massachusetts - Any Campus; Boston University, Boston; Northeastern University, Boston; Tufts University, Medford; Worcester Polytechnic Institute, Worcester;

Please feel free to contact us at Joshua.Benoist@Autodesk.com.

The 2008 Future Engineers Scholarship has kicked off its third season. Applications should be available on the chapter website.

Please spread the word.

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 every month!

This month, we have new photos posted from our Product Show, along with the presentations from the seminars we had at that meeting. These can be located under the heading Chapter Updates, under the sub-heading Past Meetings.

We are looking at the possibility of accepting electronic payments and also registering meeting attendees directly on our website for next year. Let us know if you would like this!

This year, all our Chapter Board meetings are paperless. In addition to our Speakers allowing us to post these presentations for our members to review after the meetings, our Chapter is continuing our efforts to reduce waste by eliminating or greatly reducing printed handouts at our meetings.

Please look on our website for a way to renew your membership online – save paper and a stamp – and ASHRAE will send you a hat!

Please email the Webmaster directly from the site with any site improvement ideas or news or events to be published to the web.

Golf Quotes

Eighteen holes of match or medal play will teach you more about your foe than will 18 years of dealing with him across a desk. ~Grantland Rice

Golf is a game in which you yell "fore," shoot six, and write down five. ~Paul Harvey

Man blames fate for other accidents but feels personally responsible for a hole in one. ~Martha Beckman

The reason the pro tells you to keep your head down is so you can't see him laughing. ~Phyllis Diller

Golf is a lot of walking, broken up by disappointment and bad arithmetic. ~Author Unknown

Golf is so popular simply because it is the best game in the world at which to be bad. ~A.A. Milne
CRC Activities
Golf Outing – Shinnecock Golf Course
Thursday, 9:00 a.m.
Welcome Reception & Dinner - Mystic Aquarium
Thursday, 7:00 p.m.
President’s Luncheon
Friday, 12:15 p.m.
Technical Sessions
Friday, 1:45 p.m. & 3:30 p.m.
Banquet
Friday, 6:00 p.m.
Awards Luncheon
Saturday, 12:00 noon
Area Attractions
- Mystic Seaport (discounted admission)
- Mystic Aquarium (discounted admission)
- Institute for Exploration
- Old Mystic Village
- First World & Mohican Sun canoe
- USS Nautilus & submarine museum
- Deep sea fishing
- Ocean Beach Park
- River cruise
- Sea kayaking
- Hiking
- Biking

For more information about area attractions, visit www.ctshrae.org/crc08

Hotel Accommodations
Hilton Mystic
20 Coogan Blvd.
Mystic, CT 06355
860-572-0731

Make hotel reservations separately.
ASHRAE room rate is $109.00 per night, single or double occupancy.

Area airports:
- Bradley International, Hartford
- T.F. Green, Providence

Directions:
Interstate 95, take Exit 90.
At end of exit, go south on RI 27
(Greenlawville Ave.)
Follow signs to Mystic Aquarium.
The Mystic Hilton hotel is right across the street from Mystic Aquarium.

Event sponsors:
- Carrier
- Johnson Controls
- EMCOR

The Connecticut Chapter of ASHRAE invites you to join us in historic Mystic Country on the Connecticut shoreline

ASHRAE Region 1
Chapters Regional Conference
August 14th – 16th, 2008

Registration Form
(complete only one form for each member/family attending)

DEADLINE: July 15th – to avoid late price

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<tr>
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<td>Fri. Banquet and Saturday meeting</td>
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*$ea included. Thru dinner at Sat. lunch
Please include a note on special dietary needs

Total $__________

Name

Companion name

Address

City State Zip

Phone

Email

ASHRAE Chapter

Chapter officer? Committee chair?

More details provided by
Region 1 ASHRAE CRC 2008
Mail to:
Fred Waggs
18 Charlie Circle
South Windsor, CT 06074

CRC 2008 Agenda

Thursday, August 14th
Registration - Hotel
8 am - 7 pm
Golf Outing – Shinnecock GC
9:00 am
Hospitality Suite
4 pm - 5:30 pm
1st Business Meeting
4:30 pm - 6:00 pm
Orientation
4:30 pm
Welcome Reception & Dinner - Mystic Aquarium
7 pm - 10 pm

Friday, August 15th
Registration - Hotel
7 am - 7 pm
Breakfast
6:30 am - 10 am
Casino
7:00 am
2nd Business Meeting
8:30 am - 12:15 pm
President’s Luncheon
12:15 pm
1st Technical Sessions
1:45 pm
2nd Technical Sessions
3:45 pm
Hospitality Suite
1:45 pm - 5:30 pm
Banquet & Music
6:00 pm - 10 pm
Hospitality Suite
10:00 pm - 11:00 pm

Saturday, August 16th
Registration - Hotel
7 am - 10 am
Breakfast
8:30 am - 10 am
Executive Session
7 am - 9:15 am
Breakout Workshops
9:30 am - 11:45 am
Hospitality Suite
9 am - Noon
Awards Luncheon
Noon - 2 pm
3rd Business Meeting (if necessary)
2 pm - 4 pm

For further information visit www.ctshrae.org or contact
Committee Chair Full Convention at 603-342-3970
pboe@comcast.net

Welcome Reception & Dinner
Thursday Night 7 pm
at the fabulous Mystic Aquarium
Don’t miss it!!!

The world famous Mystic Aquarium will be reserved exclusively for ASHRAE CRC attendees.

** Drinks**
** Hors d’oeuvres**
** Fun**
** Tap dancing dolphins (OK Maybe not)**

It’s going to be great! Make sure you plan to arrive by Thursday evening!
The 9th Annual

Charity Golf Outing

Friday, August 15, 2008

Juniper Hill Golf Course
202 Brigham Street
Northborough, MA 01532

♦ Contest holes including $10,000 putt challenge
♦ Texas style BBQ dinner reception
♦ Auction
♦ 9:00 am Shotgun Start
♦ Raffles
♦ Free lunch at the turn
♦ Gift bags for all golfers
♦ Driving Range & Practice Green

For information on costs and sponsorship levels, contact Jonathan Chan (617) 925-8283 or jjc@brplusa.com

Mail or return complete application by May 31, 2008 to:

BR+A for MDA
C/o BR+A Consulting Engineers
The Arsenal on the Charles
311 Arsenal Street
Watertown, Ma 02472

Raffle Prize and Silent Auction Donations are welcome.
Please contact Jonathan Chan at (617) 925-8283 or jjc@brplusa.com

Name: _______________________ Company: ____________________________
Tel: _________________________ Email: ______________________________

Golfer 1: ______________________ Handicap: ________________________
Golf shirt Size (Please circle): Men’s XL L M S Women’s XL L M S

Golfer 2: ______________________ Handicap: ________________________
Golf shirt Size (Please circle): Men’s XL L M S Women’s XL L M S

Golfer 3: ______________________ Handicap: ________________________
Golf shirt Size (Please circle): Men’s XL L M S Women’s XL L M S

Golfer 4: ______________________ Handicap: ________________________
Golf shirt Size (Please circle): Men’s XL L M S Women’s XL L M S
What’s New in our Chapter

By Pat Duffy

Each and every month the Board of Governors have a meeting before the technical meeting to discuss the innerworkings 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:

ASHRAE Research Promotion
The Boston Chapter of ASHRAE has completed the “Full Circle Award” once again this year. This award is given to a Chapter when each Chapter Officer donates $100 or more towards ASHRAE Research Promotion. If you would like to donate to research and promotion contact Darcy Carbone, the research and promotion chair.

CTTC Reaching out
The CTTC committee is looking into reaching out to the major towns and cities of Massachusetts to offer our assistance for energy saving tips and suggestions. Letters have been sent out to town engineers.

Boston ASHRAE Chapter Historical Library
The Boston Chapter will be establishing a Historical Library to house the chapters HVAC&R Artifacts, Books, and other miscellaneous items. The Historical Library will be located at the BR+A office in Watertown. Any members interested in visiting the Library can contact a member of the board to setup a time to visit.

Chapter Website
The Chapter now has a newly-revamped website 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.

BASC
The Boston Chapter of ASHRAE Sustainability Committee is currently looking into a possible lab seminar, possibly 4 hours in length. More information to follow as this develops.

Genzyme Tour
A tour of the Genzyme Center building that has received the Platinum LEED rating has been scheduled to take place on April 1st. The tour will be in addition to the Product show, which will be held April 15th. The meeting will start at 5:30 and will include a tour of the Genzyme Center along with a dinner.

This Year’s Meetings
Anyone interested in seeing what 2008 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.

Product Show 2008
The Bi-annual Boston Chapter Product Show will once again be held on April 15th at Lantana’s. There will be (8) seminars, approx. 1.5 hours long each, held the majority of which will offer PDH credits. The topics are still in discussion. Jeff Schultz will be running the product show, and thanks again to his efforts the Product Show is sold out.

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.

Student Activities
Joshua Benoist is working on developing additional student chapters at colleges and universities in Massachusetts. He is striving to continue to expand the student involvement in ASHRAE, so that the next generation of engineers can be engaged at an early point in their development.

See you at the next meeting!!

President's Award of Excellence
Boston Chapter - 2007 - 2008

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<th>Chapter Members</th>
<th>Membership Promotion Points</th>
<th>Student Activities Points</th>
<th>Research Promotion Points</th>
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Attention Members:

Just a reminder that all members who 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

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The Walworth Manufacturing Company - Part III of III

As the 20th century loomed, Walworth continued to grow. They relocated their main offices to New York, but maintained a strong presence in Boston and its environs with several large scale manufacturing facilities. Walworth was a major supplier for the New York City Subway Transit system in 1905-06.

As electricity became common in rural areas, Walworth dropped their line of gas producing machines (for in-house gas lights) and began to supply the hardware and fittings for the support of wires through city streets and to residences. They also supplied the fittings for electric trolleys, from the support poles for the overhead wires to the equipment fitted to the trolleys themselves to pick up current from overhead.

Walworth continued to supply booster water pumps for industry and city water supply and in the early 1900's, they were producers or distributors for pipes, valves, waste pipe, boilers, ornamental cast iron radiators, electric trolley poles, steam pumps, steam oilers, gauges and whistles, drill presses, vices, wrenches, taps and dies, chain blocks, jacks, coal barrows, hand air and water pumps, sinks, domestic water heaters, heated glue pots, laundry machines and industrial sized laundry presses, storm drain grates, etc.

Throughout the 20th century Walworth strengthened itself in the production of gate, globe and check valves in different materials, such as cast steel, including special valves required by various industries used in nuclear, maritime, military and industrial processes, among others. The complete Walworth line of products including valves, piping, fittings, accessories and tools came to encompass more than 40,000 items. Many of the machines used for manufacturing product lines were designed and built at Walworth.

However, by the late 1970’s, the Company fell on hard times and a Mexican group purchased the Walworth name and brought it to Mexico where it expanded into a huge operation with over 50 companies. However, the rapid expansion and overwhelming debt eventually drove the company into bankruptcy. When the company came up for sale in 2002, it had no inventory and only 180 employees. There were many potential buyers because Walworth has been in the valve industry for 165 years and its reputation for good designs and great performance was known all around the globe.

By 2005, the new ownership had increased the number of employees to 500, and by the end of 2007, that number had reached 600.

In 2006, Walworth Europe and Asia operations had been established. Recently, a new 185,000 ft² United States facility was opened in Huston, TX to carry out machining, modifications and assembly for Walworth valves being shipped to the US market.

As of 2007, the Walworth Company had been in operation for 165 years.

Annual Golf Outing

The Boston Chapter is planning the 43rd Annual Golf Outing and Banquet, to be held at the Country Club at Halifax, in Halifax, MA, on **MONDAY, JUNE 2, 2008**.

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 9, 2008.

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

We also welcome Hole Sponsorship. If you are interested in participating, please return the completed form (found on page 13 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 Engineering, Inc.  
88 Black Falcon Ave., Suite 210  
Boston, MA  02210

Very truly yours,  
ASHRAE Golf Outing Committee  
Bill Garvey, Chairman
43rd ANNUAL ASHRAE
BOSTON CHAPTER GOLF OUTING

Date: MONDAY, JUNE 2, 2008

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 9, 2008.

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 Engineering, Inc.
        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 Engineering, Inc.
88 Black Falcon Ave., Suite 210
Boston, MA 02210

NAME: __________________________________________________________________

ADDRESS: _______________________________________________________________

_______________________________________________________________

PHONE: ____________________________________

E-MAIL: __________________________________________________________________
<table>
<thead>
<tr>
<th>Date</th>
<th>Main Program</th>
<th>Speaker</th>
<th>PDH Credits</th>
<th>Meeting Manager</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td><strong>September</strong></td>
<td></td>
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<tr>
<td>September 25, 2007</td>
<td>Opening Meeting!! Join us for a tour of the TD Banknorth Garden</td>
<td>N/A</td>
<td>N/A</td>
<td>Teri Shannon</td>
<td>TD Banknorth Garden - Boston</td>
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<td><strong>October</strong></td>
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<td>October 9, 2007</td>
<td>Fuel Cells</td>
<td>Jim Horwitz</td>
<td>Approved for 1.5 PDH’s</td>
<td>Jim Shiminski</td>
<td>Doubletree - Waltham</td>
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<td><a href="mailto:jshiminski@dac-hvac.com">jshiminski@dac-hvac.com</a></td>
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<td><strong>November</strong></td>
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<td>November 13, 2007</td>
<td>Mechanical Design for Green Buildings</td>
<td>Thomas Lawrence, Ph.D., P.E. - Distinguished Lecturer</td>
<td>Approved for 1.5 PDH’s</td>
<td>Enrique de los Reyes</td>
<td>Doubletree - Waltham</td>
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<td><a href="mailto:er@energysystemsdesign.com">er@energysystemsdesign.com</a></td>
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<td><strong>December</strong></td>
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<td>December 11, 2007</td>
<td>Efficient Chillers &amp; Pumping Stations</td>
<td>Jackson Ball, Smardt, Inc.</td>
<td>Approved for 1.5 PDH’s</td>
<td>Fran Boucher</td>
<td>Lantanas - Randolph</td>
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<td><a href="mailto:francis.boucher@us.ngrid.com">francis.boucher@us.ngrid.com</a></td>
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<td><strong>January</strong></td>
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<td>January 8, 2008</td>
<td>Overview of ANSI/ASHRAE/IESNA Standard 90.1</td>
<td>Larry Spielvogel - Distinguished Lecturer</td>
<td>Approved for 1.0 PDH</td>
<td>Bryan Hermanny</td>
<td>Doubletree - Waltham</td>
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<td><strong>February</strong></td>
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<td>February 12, 2008</td>
<td>“BIM There, Done That!” BIM (Building Information Modeling)</td>
<td>Robert Middlebrooks, AIA AEC Solutions, Autodesk</td>
<td>Approved for 1.5 PDH’s</td>
<td>Steve Bosland</td>
<td>Doubletree - Waltham</td>
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<td><a href="mailto:sbosland@eypac.com">sbosland@eypac.com</a></td>
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<td><strong>March</strong></td>
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<td>March 11, 2008</td>
<td>The Greening of Boston</td>
<td>Jim Hunt, Chief for Environmental &amp; Energy Services for the City of Boston</td>
<td>N/A</td>
<td>Steve Rosen</td>
<td>Doubletree - Waltham</td>
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<td><a href="mailto:steven.rosen@autodesk.com">steven.rosen@autodesk.com</a></td>
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<td>April 1, 2008</td>
<td>Tour of Genzyme Bldg - Note: Added Meeting!</td>
<td>N/A</td>
<td>N/A</td>
<td>Steve Nichols</td>
<td>Genzyme - Cambridge, MA</td>
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<td>Lantanas - Randolph</td>
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<td><strong>May</strong></td>
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<td>May 13, 2008</td>
<td>Installation of Officers &amp; Chapter Supporter Appreciation Dinner</td>
<td>N/A</td>
<td>N/A</td>
<td>Jeff Schultz</td>
<td>Anthony’s Pier 4</td>
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<td>June 2, 2008</td>
<td>Golf Outing</td>
<td>N/A</td>
<td>N/A</td>
<td>Bill Garvey</td>
<td>Poquoy &amp; Halifax Country Clubs</td>
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<td><a href="mailto:bgarvey@seicompanies.com">bgarvey@seicompanies.com</a></td>
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545 SALEM STREET
WAKEFIELD, MA  01880

Name: _______________________________________________________________________________________________

Company: __________________________________________________________________________________________

Address: ___________________________________________________________________________________________

TEL: _____________________________________________________

INDIVIDUAL    $25.00    $50.00    $100.00    $200.00

CORPORATE    $250.00    $500.00    $1,000.00    $2,000.00

Your contribution puts us closer to achieving our goal. Please send what you can today!
Individual contributions of $100 or more and Corporate contributions of $150 or more receive this year’s
Commemorative Coin and Honor Roll Contribution status.

Other: ____________

Other: ____________

NorthEastAire

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