



NorthEastAire

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

XXXXV No. 53

December 2006

Editor: Teri Shannon TEL: 207-985-0873

2006 - 2007 Officers



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MAIN MEETING

LEED & Maximizing Water Efficiency Points

Featured Speaker: Richard Moore, AIA, LEED

An overview of the process used in achieving US Green Building Councils LEED Version 2.1 ratings in sustainable building design. This presentation will focus on water efficient plumbing fixtures, rain water harvesting and grey water systems from geothermal bleed water & chilled water condensate. Drip irrigation and computer forecasting for water efficient landscaping will also be briefly discussed. The LEED Excel spreadsheet tool will be reviewed in detail for Wec3 Water Use Reduction credit. Water related credits will be covered in this workshop utilizing 4 certified projects and 8 registered projects that are currently in the CA project phase. Workshop is for all disciplinary levels.

Meet the Speaker

Richard Moore Environmental Consulting offers environmental consultation to architectural firms and facility owners. He is an adjunct professor at Wentworth Institute of Technology in Boston. The recipient of a Boston Society Architects' Sustainable Design Award, he has presented numerous "green" workshops for Environ Design, Build Boston, AIA/NH, CSI/Boston and ASID. He is also a speaker at AIA National Convention, U.S. Green Building Council's Environ Design 4, AIA/BSA Build Boston, AIA/NH, CSI/Boston, and ASID/Boston Design Center on topics including LEED design, sustainable design and green products. This July 2005 Richard Moore AIA LEED will present a LEED tutorial at Ecobuild Conference in Orlando Florida.

DATE: Tues., December 12, 2006

MEETING MANAGER: John Swift

MEETING PLACE: Lantana's, Randolph, MA
Joint Meeting with ASPE

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

COST: Members that RSVP \$30.00
Members that do not RSVP \$40.00
Walk-ins \$40.00

DIRECTIONS: Exit 5A off Route 128/I-93 (Randolph - Rte. 28 South). Take right at first set of lights onto Scanlon Drive. Lantana is at end of Scanlon on right.

RSVP: Patrick Duffy— pjd@brplusa.com by Fri., Dec. 8

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PRESIDENT'S MESSAGE

By: Darcy Carbone

Dear Boston Chapter Members,

We had our second successful joint meeting, in November, with the Association of Energy Engineers (AEE). There were a total of 130 people. I want to thank all Boston Chapter Members, AEE members and all guests that attended the meeting. I would also like to extend a special thanks to the President of the AEE Boston Chapter, Jim Donnelly, for continuing our traditional joint meeting. Along with the trade show, AEE honored ten college engineering students who earned AEE Scholarships for this academic year. For those of you that could not attend the meeting, please see the meeting recap in this month's newsletter

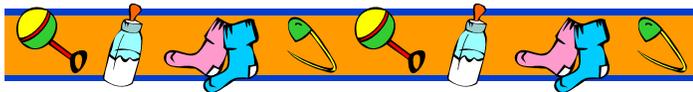
I would like to congratulate one of our past presidents, Cheryl Rossini, on the birth of her daughter, Christina. Both mother and daughter are doing well.

This month is our annual joint meeting with the American Society of Plumbing Engineers (ASPE). The presentation will focus on the Water Conservation aspects of LEED as noted in this month's newsletter. I hope to see another great turnout. The meeting has been approved for 1.5 PDH's. If you wish to request those, please be sure to bring a business card with you.

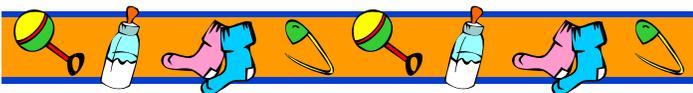
I wish you all a happy and safe holiday season, and I hope to see you at the next meeting

Cheers,

Darcy Carbone
President – Boston Chapter ASHRAE



Congratulations to Cheryl & Mike Rossini!! They welcomed their 2nd daughter, Christina Marie, on Nov. 11. Both Christina and big sister, Angela, are doing well.



NOVEMBER MEETING RECAP

By Darcy Carbone

In November we had a joint meeting with the Association of Energy Engineers (AEE). While we usually do a joint December meeting with AEE, we decided to join them this year for their Sponsor Night where AEE sponsors have table top displays and answer questions from members in an informal setting. Their annual equivalent of our Product Show provides an interesting format for asking vendors about products and for networking.

After dinner we had the "Rapid Fire Presentations." Many AEE sponsors provided a brief introduction of themselves, their company and their products and/or services. We had presentations from many disciplines in the energy industry including lighting, controls, cooling measures, performance contractors, energy marketers, utilities and consultants.

ATTENDANCE

The Boston Chapter of ASHRAE -
November 1, 2006 Meeting
Had 130 in attendance:

40 ASHRAE Members
85 Non-Members
5 Students



Editor's Note

By Teri Shannon

Effective with this issue, there will be new rates for ads. Want ads only will be accepted and should be in Word format. **The deadline for the January newsletter is December 22nd.** Company logos can be included with your ad; these need to be provided in either a .jpg or .gif file format. 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
P.O. Box 576

W. Kennebunk, ME 04094

E-mail: tshannon@dac-hvac.com

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



Student Activities

By Jim Shiminski

Seeking New Faces of Engineering

Do you know a young engineer who is an inspiration to others? The National Engineers Week Foundation recognizes some of the profession's up-and-coming talent around the world in the New Faces of Engineering campaign. Top nominees are recognized in USA TODAY. New Faces provides stimulation and incentive for college-level students and encourages younger students to consider engineering careers. Eligible candidates are age 30 and under who hold an engineering degree, have been employed as an engineer from two to five years, and are involved in projects that impact public welfare or further professional development and growth. All nominations must come through an engineering organization represented on the National Engineers Week Steering Committee.

Mentors Available

The Women's Initiative at the Massachusetts Institute of Technology (MIT) is run entirely by students and is completely cost-free for participating middle and high schools. Each January, enthusiastic women from the MIT School of Engineering are selected to go to middle and high schools nationwide to speak with young women about the excitement of careers in engineering. The presentations include activities to engage students in thinking about engineering concepts, demonstrations of projects on which the presenters have worked, and information about the fields of engineering and the life of an engineering student. The MIT students have reached more than 10,000 young women in the program's first six years.

Presentations take place only during the month of January. Pairs of presenters fly to selected school districts for a week. Every day they visit one or two schools and give four to five presentations. The presentations range from 60-90 minutes and are geared toward an all female audience of 30-60 students. Each presentation is unique, as each pair of presenters decides the best approach for their schools.

If you have questions about the program or how to apply, contact wi-directors@mit.edu.



CCTC - TEGA Article

By David Klee

Changes to Data Center Cooling?

Throughout conventional HVAC system designs, we see many examples of indirect, Rube-Goldberg-like exchanges of BTUs, providing a cumulative effect of low efficiency to accomplish our end goal of cooling people or processes. Stakeholders in the design of server racks and data centers are doing something about this fundamental flaw in their designs.

These stakeholders have realized an important issue: that the AC system for a data center consumes almost as much power as the servers and storage arrays that that system cools. The tail is nearly wagging the dog. With the increasing quantities of equipment and the increasing popularity of heat-load-dense, blade-type servers, the need to do something differently is growing more urgent. Normal cooling routines just cannot keep up with the head loads.

So, instead of carrying away heat in air circulated through server racks, engineers are working on solutions that remove heat from server racks more directly.

One manufacturer of gear already offers an add-on unit that accepts chilled water and has a fan that blows air across a chilled water heat exchanger and directly onto the heat producing components. Another offers a product that takes chilled water directly to the processor chip. Other products use refrigerant directly, rather than sacrificing system efficiency by using air or water as a transfer medium.

Still, many engineers and owners worry about fluids in their data centers. However, the real problem is standardization. To this end, ASHRAE is already working with OEMs on guidelines and best practices for using liquid cooling with IT equipment.

Perhaps similar economics will soon affect comfort cooling applications, as energy scarcity and costs become more problematic. The question is, what can we do to eliminate fundamental flaws in these designs?

Source: *Enterprise Storage Forum*. "Keeping Storage Cool:"

Drew Robb, November 21, 2006.

<http://www.enterprisestorageforum.com/technology/features/article.php/3645196>



Tis the season to be jolly... Fa la la la la la la la...





Boston ASHRAE Sustainability Committee (BASC) By Jim Shiminski

The Boston ASHRAE Sustainability Committee (BASC) met on Tuesday 11/7 at the Doubletree, Waltham. A strong group of participants spent several hours discussing direction and goals for the committee. The following is a mission statement that has evolved to represent the direction of the committee.

“The mission of the Boston ASHRAE Sustainability Committee (BASC) is to leverage and utilize the credibility, expertise and intellectual capital of ASHRAE to encourage sustainable building design and operation practices. The BASC will sponsor efforts to address standards, design practices, education/training, awareness and regulations. The BASC seeks to be a leader and galvanizing force in the push towards sustainable practices. The BASC will work to improve communication and collaboration with other local professional trade associations and organizations. The sum of these efforts will translate into creative, forward-thinking practices in both design and operations of new and existing buildings.”

Several subcommittees have been organized to start work towards our goals:

Education Sub-Committee: Education was recognized by nearly all committee members as one of the most important goals for the committee. It was determined that education was a very broad topic and could encompass many areas. A subcommittee was formed to develop a plan to narrow focus to a practical level. Fran Boucher volunteered to head this sub-committee. francis.boucher@us.ngrid.com

Sustainability Resource Database Sub-Committee: Interfacing with other organizations was highlighted as a key goal for the committee. It was shared that there are many groups already in pursuit of sustainability. It was suggested that the BASC take the lead to create a greater communication between these groups. As a start the BASC will seek to create a resource database to help sort out the players (A who’s who and what’s what for sustainability). Jim Shiminski has volunteered as the interim chair of this sub-committee. jshiminski@dac-hvac.com

Government Liaison Sub-Committee: The committee recognized that it would be important to maintain a relationship with local government entities. This relationship could sponsor changes in allocations of funding and in changes of codes standards and regulations. Steve Rosen has volunteered to head this sub-committee. steven.rosen@autodesk.com

We invite all ASHRAE members interested in assisting to contact committee chairs or Jim Shiminski. We have lots of great ideas. Now we will need willing participants to help with the work. Many hands make for lighter lifting.

ASHRAE NEWS RELEASE

Become Part of the Green Team: New Guidance from ASHRAE

Looking to become a more effective player on the green team? ASHRAE GreenGuide: The Design, Construction and Operation of Sustainable Buildings will help teach designers how to participate effectively on design teams charged with producing green buildings.

“This is a design guide for mechanical engineers who are interested in advancing integrated, high performance/green concepts and applications on building design projects,” said Malcolm Lewis, Ph.D., a member of ASHRAE’s technical committee on building environmental impacts and sustainability, which wrote the book. “The guidance will help building professionals analyze system design options and point them in the right direction for deeper analysis.”

The book, an update to the 2003 version of ASHRAE GreenGuide, contains a new chapter outlining guidance on the Leadership in Energy and Environmental Design (LEED™) Rating System developed by the U.S. Green Building Council. The chapter discusses ways in which LEED credits affect engineers and how they can best respond to the opportunities presented by the use of LEED on projects.

“The GreenGuide will assist the design and development team in striving for a level of accountability as to the effectiveness of their efforts to produce a building that is truly green,” Lewis said.

The book also contains a new chapter on how HVAC&R systems interact with the local environment and methods for mitigating or reducing that impact.

“There are some areas that are either not intuitively obvious as being potential impacts of HVAC systems or are items that some may not consider to be truly sustainable issues,” Lewis notes.

The ASHRAE GreenGuide also contains more than 40 GreenTips, which are sidebars containing information on techniques, processes, measures or systems. The tips contain a list of other sources for reference. To read the GreenTips, visit www.engineeringforsustainability.org.

This is the first in a new series of books, known as The ASHRAE Professional Series, published in cooperation with Butterworth-Heinemann/Elsevier. The series is intended to provide high-quality professional information for a global audience of HVAC&R engineers as well as professionals in related fields.

The cost of the ASHRAE GreenGuide is \$79.95 (\$62.95, ASHRAE members).

To order, contact ASHRAE Customer Service at 1-800-527-4723 (United States and Canada) or 404-636-8400 (worldwide), fax 404-321-5478, by mail at 1791 Tullie Circle NE, Atlanta, GA 30329, or visit the ASHRAE.org Bookstore at www.ashrae.org.

My Visit to the New York City Chapter

By Darcy Carbone, President

While on a business trip to New York in October, I decided to take advantage of an ASHRAE meeting at the New York City Chapter. I was accompanied by a co-worker, and we were greeted with open arms and made to feel right at home. It was exceptionally nice to see my ASHRAE colleagues that I only see once a year at our Regional Conference. I want to extend special thanks to Michel Rimpel, the President of ASHRAE New York City Chapter, Garry Meyers, District Regional Chair, Eric Glatzl, Past President of the New York City Chapter and all the members of New York City Chapter that made our visit pleasant. They had delicious food, immense energy and a highly regarded presentation given by Mr. Peter Funk, Esq.

Mr. Peter Funk, Esq., a partner with Duane Morris Law firm, presented implications of a comprehensive Energy Bill passed by the US Congress in 2005. He discussed specific measures that design, construction, Operations and Maintenance Engineers and Managers would need to take for compliance with the spirit and letter of EPACT 2005. He explained how EPACT relies heavily on ASHRAE 90.1 Energy Efficiency Standards for buildings as a benchmark and requires Federal Facilities to reduce the energy usage by 2% per year and achieve energy usage levels that are below the ASHRAE 90.1 standards by 20% or more by the year 2015. This is a challenging requirement since ASHRAE 90.1 already recommends a highly energy efficient building envelope and buildings systems equipment design and construction.

In addition, Federal Agencies are required to procure “Energy Star” equipment and appliances that are designated by FEMP as being in the highest 25% for energy efficiency. EPACT 2005 also stresses more controls and supervisory systems that promote energy efficiency and sustainability in “Operations & Maintenance of Facilities” Commercial Refrigeration equipment, Unit heaters and ceiling fans are required to significantly improve their energy performance. Most States and Municipalities have or in the process of passing similar energy efficiency legislations for State, Municipalities and Schools. Private businesses will be given tax credits and other incentives for energy efficiency initiatives. There would be a greater emphasis on Energy Service Performance Contracts, equipment ratings, lighting improvements so as to deliver performance exceeding ASHRAE Standards.

Thanks again to the New York City Chapter for their hospitality.



L to R: Chris Kerr, Sebesta Blomberg, Woburn, MA, Michel Rimpel, President of ASHRAE New York City Chapter, and Darcy Carbone, President of ASHRAE Boston Chapter.

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	275	255	0	175	810	665	2,180



What's New in our Chapter

By Bryan Hermann

Meeting Minutes of the Board of Governor's November 1, 2006 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:

Meeting Changes

There seems to be a conflict with the January meeting speaker and as a result, the January and February meeting topics may switch with one another. The details are still in progress and we will inform everyone of the changes when they have been completed.

Meeting Payments

The Chapter is still researching other methods of implementing a credit card payment into the payment methods for attending the meetings. The Chapter had tried the credit card machine previously, but due to slow processing, the Chapter had to abandon the idea because of the delay in the check-in process. We will inform everyone if we are able to work out the details and ensure a fast processing machine.

Scholarships

The "Future Engineers Scholarship" will be given away once again this year. The fundraising for the scholarship was even larger than last year, which may allow additional scholarships to be given out. Jim Shiminski and Cheryl Rossini are once again in charge of the process. If you have any questions, or if you are interested in helping out the cause, please feel free to contact them. Once the information has been released, please keep in mind that the P.O. Box has changed from last year's application, so please ensure that you are sending the information to the right address.

ASHRAE has a Design Competition that the Chapter will be distributing information on shortly. Keep your eyes open for the info.

PDH Credit

We will now be requiring a business card for all attendees requesting PDH credit. This helps eliminate confusion and limits errors in the application process that we have been facing. Please be prepared to provide a card upon filling out the paperwork. Future meetings that will issue PDH credit will be at a cost to all non-members that request the credit. Each certificate will cost \$15 for each non-member per meeting. Members will be given credit at no additional cost.

ASHRAE Research Promotion

The Boston Chapter of ASHRAE will be going after 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.

Sustainability Committee

The opening meeting for the Sustainability Committee was a huge success. The Boston Chapter had a large turn-out of members interested in getting involved. We encourage all members

interested in joining the committee or interested in helping out to join in on the next meeting in December 2006. If anyone has interest in helping out with the committee, please contact a Board member or Committee Chair Jim Shiminski for additional information.

We're Planting Trees too!

Our industry is constantly discussing ways to help the environment, and ways to make it a cleaner place. As a result, the Chapter is getting involved with planting additional trees at various local colleges. This also shows the other Chapters that the Boston Chapter wants to get involved with the environment's condition in every way possible. This will all take place within the Spring of 2007.

Upcoming Meetings

Discussions have already begun for the Installation of Officers meeting in May 2007. Initial discussions have been to places such as Naked Fish. Plans and discussions are ongoing, so we'll keep you informed as it develops.

Also, the Opening meeting for the 2007-2008 season has already been brought up as well. There was a vote on possible locations for the meeting, and it appears as though the TD Banknorth Garden was the winner. Plans and discussions are ongoing, so we'll keep you informed as it develops.

Chapter Website

The Board has met with the new web designer and we will soon see a transformation of the website. We will update everyone on new information as it develops. If any Chapter members have any requests or ideas for the new website, please feel free to contact one of the Board members with your ideas.

Anyone interested in assisting with the website can contact Steve Rosen, George Hardisty, or Teri Shannon for additional information.

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.

Roster & Product Guide

The Roster and Product guide was potentially going to CD this year, but due to security issues that cannot be resolved in time, the Chapter will proceed with the paperback version again this year. We'll keep you informed as things develop. If you are interested in helping out, or if you have any questions, please contact Cheryl Rossini.

See you at the next meeting!



Symmes Maini & McKee Associates is a leading multi-disciplinary design firm with a rich dynamic office culture. Our award winning architecture, engineering, interior design and planning services, our diverse client base and corporate, institutional, commercial and science technology and health projects keep our 140+ professionals energized and challenged. SMMA is an ISO 9001-2000 certified company that is dedicated to client service and to our employees. We foster a team environment and provide excellent benefits for our employees.

Senior Mechanical / HVAC Engineer

Minimum of 10 years of experience in facility and support systems design. As both senior engineer and project engineer, individual will lead design efforts for a wide variety of challenging projects ranging from high-end commercial office spaces to laboratory and clean room applications. Excellent organization, team leadership, and communication skills required. Bachelor in Mechanical Engineering required, PE Registration and LEED™ accreditation preferred.

Senior Plumbing/FP Engineer

Minimum of 10 years of experience in building plumbing and fire suppression design. Demonstrated experience in the design of commercial and laboratory piping systems as well as wet-pipe, dry-pipe, and inert gas fire suppression system required. Excellent organization, team leadership, and communication skills required. Bachelor in Mechanical Engineering, PE Registration and LEED™ accreditation preferred.

Engineers and Designers

Minimum of 3 years of experience in the building and support system design industry. Fields of experience desired: Mechanical, Plumbing, Fire Protection, or Electrical. Experience in obtaining field conditions / site investigations as well as systems layout and coordination with structure and architecture program elements preferred. Strong communication and organizational skills required along with an enthusiasm to learn and growth. Must be proficient in AutoCad.

Qualified candidates should e-mail resumes and cover letter to jquercia@smma.com or mail to:

Symmes Maini & McKee Associates
 1000 Massachusetts Avenue
 Cambridge, MA 02138
 Attn: Jane Quercia

**ENGINEERED SOLUTIONS INC.
 HVAC Engineer/Designer**

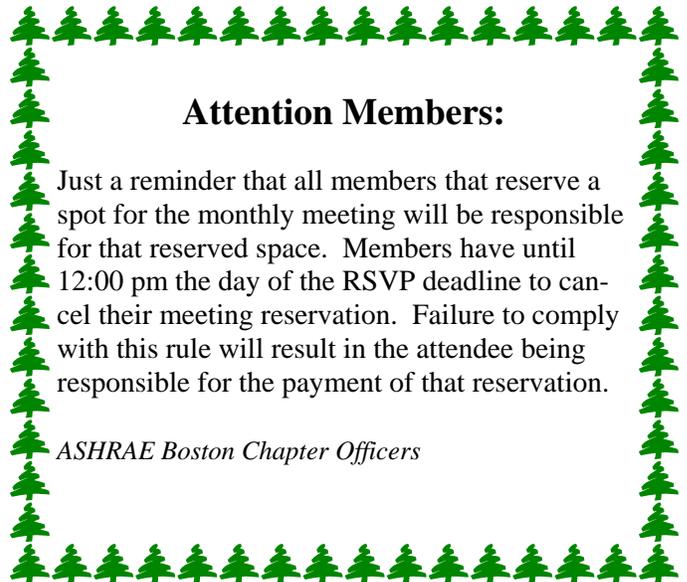
Growing, dynamic HVAC engineering consulting firm seeks HVAC Engineer with BSME, 2+ years experience doing HVAC design and analysis. Experience with mechanical room layout and AutoCAD a major plus. This position provides/requires opportunities for field work and client interaction in the greater Boston area. For the right candidate, this is a unique opportunity for career growth and large project experience with high-profile clients in a small company environment.

Engineered Solutions Inc, established in 1988, is an HVAC/ Energy Consulting firm with many prominent clients in the Greater Boston area. It provides high level engineering services to a variety of clients including Hospitals, Universities, High Rise Office Buildings, Telecommunications Facilities, Manufacturing Facilities, and Laboratories.

Engineered Solutions Inc. offers highly competitive salaries and an outstanding benefits package including generous company contribution to Health and Dental Insurance, SEP-IRA/Pension Retirement Program, Disability and Life Insurance, Full Tuition Reimbursement, Flex-time, and an excellent Performance Based Bonus Program.

Please mail or fax resume to:
 Judy Maguire
 Engineered Solutions Inc.
 6 Union St., Natick, MA 01760

Fax: 508-652-1936
 Email: jmaguire@engsolutions.com
www.engsolutions.com



Attention Members:

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

ASHRAE Boston Chapter Officers



Historian's Column

By Bob Barstow

As your historian, I thought it would be interesting to start an oral history of the chapter, members, and earlier heating systems. I have been in HVAC for 58 years, so I'm a historical artifact myself and will start the oral history.

My first job was with the J.F. Tuttle Co., manufacturers' representative for Warren Webster Co. and Ric-wiL Co. J. Frank Tuttle was president of ASHVE in 1921-1922, which is well before my time. I got the job because my brother Paul, who was my predecessor, was called up in the Korean war and I took his place. Warren Webster made steam traps, valves, and heating system specialties. Ric-wiL made prefabricated, insulated piping systems, mostly for underground steam distribution. Warren Webster was later represented by Thomas E. Murray Co. and is now long gone but Webster traps and valves still exist in many old downtown and other buildings.

My brother Paul became the representative for the Ric-wiL line, which has now been bought by Perma-Pipe. His company is Kenyon-Barstow Co. which is now owned and operated by his daughter, Susan. I must be among the last people who was brought up with steam heating systems. Forced hot water was becoming the popular system at that time and was influenced by Bell & Gossett which is now represented by FIA, Inc. The B & G Handbook was the standard text. Most people who entered the field at that time spent most of their effort learning about forced hot water systems.

In subsequent columns I will write about some of the names I remember and types of early heating systems. I will appreciate any stories any of you may remember from "the old days". When I list some of the old names, I'm sure it will trigger some old memories.



Research Promotion

By Enrique de los Reyes

(AKA BEGGING 101)

I would like to thank everyone who has already donated to the Research Promotion, and now I need to start begging all the others to *please, please, please* consider donating whatever you can. Remember it is tax deductible and goes to a very good cause. This fund goes to research projects of great importance to us in fields such as energy conservation, food preservation, and improved operating room environments that result in fewer post-operative infections.

We still have to raise about \$14,000 this year. Every contribution is appreciated (large or small) as it takes participation by many members in order to support this important campaign (e.g. a \$30 per year or \$2.5 per month, contribution from 55% of our members would suffice to beat the goal that ASHRAE has set for our Chapter). All of the Officers joined me in personally donating at least \$100 last month each as a way to demonstrate our commitment to this cause. I ask each of you to please fill out the form on the back cover and mail it to me with whatever contribution you can make.

Another way that people can donate using a credit card is via the internet at https://www.ashrae.org/aboutus/resource_promotion (if doing it this way, please be sure to put Boston down under "Assigned ASHRAE Chapter:").

As always your generosity is greatly appreciated and will be recognized in the newsletter throughout the year.

Thank You Very Much!



A Message from the Webmaster

By George Hardisty

Check the web site regularly as it will keep you up to date on all that is going on in the chapter and what is happening at the board meetings.

If anyone is interested in being a sponsor of the site, please contact me at gmh@brplusa.com. The cost is \$300.00 per year and includes a link to your web site, posting of a line card, and a random posting of a logo on the home page. It is a great value.

Please feel free to contact me if you have any suggestions or new ideas.



**ASHRAE
Research**

1791 Tullie Circle, NE • Atlanta, Georgia 30329-2305 ☎ 404-636-8400 • Fax 404-321-5478 • <http://www.ashrae.org>

Ronald W. Swarthout, P. E.
Vice Chair, Region I
Research Promotion
Reply to: 921 Forest Road
Endwell, NY 13760
607-754-1590
rswarthou@cs.com

Region 1 Dinner Dallas Winter Meeting

Date: Monday, January 29, 2007

Location: YO Ranch Steakhouse Restaurant, 702 Ross Avenue at Market Street, Dallas, Texas
“One of Dallas’s premier dining establishments and most extensive selection of wild game”

Time: 6:00 PM Meet at the Adam’s Mark Hotel Lobby
(5 minute train ride from Adam’s Mark Hotel)
6:30 PM Arrive at Steakhouse for cocktails – cash bar
7:00 PM Dinner

Menu: Starters
House Salad with garlic cilantro vinaigrette or Seafood Bisque Soup

Choice of Entrees:
Prime Aged Beef Filet Mignon
Grilled Salmon Filet with a bruschetta butter
Sautéed Chicken Breast with a wild mushroom brandy sauce

Desserts
Jack Daniels Pecan Pie or White Chocolate Macadamia Nut Bundt Cake
w/ raspberry sauce

Cost: \$40.00 per person received before January 22, 2007 -- \$45.00 per person after January 22

Reservations with payment: must be received by Monday, January 22, 2007

Make checks out to ASHRAE – Region 1 Fund & mail to Ronald Swarthout at the above address

Name _____ Menu Choice _____



2006 – 2007

BOSTON CHAPTER OFFICERS, BOARD MEMBERS AND CHAIRPERSONS

OFFICERS

OFFICE / OFFICER	PHONE	E-MAIL
President: Darcy Carbone, Sebesta Blomberg	781-721-3949	dcarbone@sebesta.com
President-Elect: Steve Rosen, Autodesk	603-621-3259	steven.rosen@autodesk.com
Vice President: Jeffrey H. Schulz, BR+A	617-925-8242	jhs@brplusa.com
Secretary: Bryan Hermann, BR+A	617-254-0016 x295	bmh@brplusa.com
Treasurer: William Garvey, SEI Companies	617-210-1711	bgarvey@seicompanies.com

BOARD OF GOVERNORS

NAME	YEARS	PHONE	E-MAIL
Enrique de los Reyes, P.E., Energy Systems Design	2006 - 2009	508-276-1102	er@energysystemsdesign.com
William Garvey, SEI Companies	2006 - 2009	617-210-1711	bgarvey@seicompanies.com
Steve Bosland, PE, Einhorn Yaffee Prescott	2006 - 2009	617-305-9831	sbosland@eypae.com
Jeff Scogland, R.T. Forbes	2006 - 2009	978-777-1220	scogland@comcast.net
Dan Cooke, RG Vanderweil	2005 - 2008	617-423-7423	dcooke@vanderweil.com
Patrick Duffy, BR+A	2005 - 2008	617-925-8255	pjd@brplusa.com
Jim Shiminski, DAC Sales	2005 - 2008	207-985-0873	jshiminski@dac-hvac.com
Bryan Hermann, BR+A	2004 - 2007	617-254-0016 x295	bmh@brplusa.com
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COMMITTEES

<u>COMMITTEES</u>	<u>CHAIRPERSONS</u>	<u>TELEPHONE</u>	<u>E-MAIL</u>
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Boston ASHRAE 2006 - 2007 Meeting Schedule

Date	Main Program	Speaker	Certificate for PHD's	Meeting Manager	Location
Friday, September 15, 2006	Casino Night – Research & Promotion Fund Raiser	N/A	N/A	Teri Shannon	Lantana's - Randolph
MEMBERSHIP & RESEARCH PROMOTION NIGHT					
Tuesday, October 10, 2006	Chilled ceilings, floors and beams description and operating fundamentals (each are unique)	Stanley A. Mumma, Ph.D., P.E., ASHRAE Fellow – Distinguished Lecturer	Approved for 1.0 PDH	Jason Peterson	DoubleTree - Waltham
JOINT MEETING NAWIC STUDENT NIGHT					
Wednesday, November 1, 2006	Chapter Sponsors Night	N/A	N/A	Steve Rosen	DoubleTree - Waltham
JOINT MEETING AEE					
Tuesday, December 12, 2006	How to maximize your LEED points for mechanical and plumbing	Richard Moore an Environmental Consultant	Approved for 1.5 PDH	John Swift	Lantana's - Randolph
JOINT MEETING ASPE, STUDENT NIGHT					
Tuesday, January 9, 2007	Smoke Management Concepts in the IBC, and chair of Transaction 10 titled Evacuation Analysis Methods for Mass Transit Facilities and Tunnels.	Jeffrey Tubbs, P.E.	In Progress	Jim Liston, P.E.	DoubleTree - Waltham
HISTORY, PAST PRESIDENTS NIGHT					
Tuesday, February 13, 2007	<i>"Integrated Building Design"</i>	ASHRAE Distinguished Lecturer Charles Gullede	In Progress	Dan Cooke	DoubleTree - Waltham
STUDENT					
Tuesday, March 13, 2007	Industrial Ventilation ASHRAE 62.1	TBD	In Progress	Enrique de los Reyes, P.E.	DoubleTree - Waltham
STUDENT					
Tuesday, April 10, 2007	Air to Air heat exchangers, heat pipes and plate & frame heat exchangers	TBD	In Progress	Jim Shiminski	DoubleTree - Waltham
MEMBERSHIP & RESEARCH PROMOTION NIGHT					
Tuesday, May 8, 2007	Installation of Officers		N/A	Steve Rosen	TBA
SOCIAL EVENT					
June 2007	Golf Outing		N/A	William J. Garvey	Country Club of Halifax & Poquoy Brook Golf Course
SOCIAL EVENT, RESEARCH PROMOTION NIGHT					



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