2010 - 2011 Officers

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Pat Duffy
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MAIN MEETING

ASPE Joint Meeting

BIM Software for MEP Professionals

Tuesday, December 14, 2010

SPEAKER: William Mainor
Solutions Specialist, MEP

William graduated from the University of Rhode Island with a Bachelor’s Degree in Mechanical Engineering and a Bachelor of Arts degree in German. His experience includes providing technical support to pharmaceutical and manufacturing companies, writing contract documents, and managing contractors. Prior to coming to Microdesk, William was a Service Engineer for Eisai USA. His duties included mechanical rebuilds, circuit board repair, electrical rewiring, and training machine operators and mechanics.

At Microdesk, William is responsible for providing implementation and consulting services, technical support, and training in the New York/New Jersey area.

Attention to all ASHRAE Boston Chapter Members:

No-Show Policy
Each member is responsible to RSVP cancellation on or before the deadline. If member RSVP after deadline, he or she will be charged for the meeting fee.

If you have any questions, please contact William Tang at wkt@brplusa.com.

DATE: Tuesday, December 14, 2010
MEETING: Bill Garvey
MANAGER: william.garvey@wspfk.com
LOCATION: Randolph, MA
TIME: 5:30 - 6:00 p.m. - Social Half Hour
       6:00 - 7:00 p.m. - Dinner
       7:00 - 8:00 p.m. - Main Program
COST: Members that RSVP $35.00
       Non-Members $45.00
       Walk-in $45.00
       Student Members FREE

See page 3 for meeting menu.

RSVP Deadline for this meeting is 12:00pm on Thursday, December 9, 2010
RSVP Cancellation Deadline for this meeting is 12:00pm on Friday, December 9, 2010.

Please only RSVP to William Tang at wkt@brplusa.com.

Upon receiving RSVP, a confirmation email will be sent back to confirm your reservation. If you have not received a confirmation email, you will need to RSVP again.

Thank you William Tang
PRESIDENT’S MESSAGE

By Bill Garvey

Our November meeting drew a great crowd and we received some very informative information from ASHRAE Distinguished Lecturer Dr. Thomas Lawrence. This was Thomas’ second trip to visit our chapter. We also had one of our scholarship winners attend the meeting and he received his certificate and check from President-Elect Patrick Duffy. Bryan Hermanny also conducted our annual sponsor appreciation night and handed out the ASHRAE commemorative coins, congratulations to everyone and thank you for your continued support.

Our monthly meetings have consistently shown an increase in attendance since the Chapter decided to begin issuing PDH credits to attendees. This is a great way to keep up your requirements for your PE license. The Chapter incurs a cost for doing so, and we have gotten to a point where we need to recover some of these costs. As a result, we are charging $15.00 per non-Chapter member looking for the PDH credit. A non-member attending a meeting spends $45.00 to attend the meeting plus $15.00 for the credit, totally $60 per meeting. As a member, you receive this credit for FREE, and only pay $35 to attend. That means the $40 Chapter membership pays for itself after only two meetings, which is well worth it!

Our next meeting will be on Tuesday, December 14, 2010 and it will be a joint meeting with ASPE Boston Chapter. The meeting topic will be on BIM Technologies and the meeting is going to be held at The Lantana’s in Randolph, MA (this is the same place we hold our Product Show). Please make sure to get your RSVP into William Tang and sign up.

On another note, please make sure you give your member ID number and inform to William Tang when making RSVP’s. If you are currently not a member but would like to join, please contact Teri Shannon at tshannon@dac-hvac.com. She will be more than happy to assist you in any way for your membership.

See you at the next meeting,

Bill Garvey, President

Happy Holidays

Editor’s Note

By Stacie Suh

Materials for the January newsletter are due on December 17. Please submit employment/want ads in Word format. A company logo (in .gif or .jpg format) can be included. Any ideas you would like to share, please email me.

Please submit your project for the project of the month section and also submit your project for the 100th year Gala event.

For more information, please call or e-mail me at 781-258-1002 or Stacie@stebbinsduffy.com.

You can also visit the Boston Chapter website at http://www.ashraeboston.org/committees/northeastaire.html

Effective September 2010, there will be a $15 fee for each PDH certificate provided at our Chapter meetings for non-Chapter members. PDH credits will continue to be offered to our Chapter members at no cost. Please note that this fee will be in addition to the regular meeting dues.

Note: PDH certificate fee will be waived for April Product show.

Sincerely,
Boston Chapter

ASHRAE Boston Chapter – Employment Ads

The NorthEastAire is published monthly, September through June. It is posted on the Chapter website at www.ashraeboston.org. A link is sent each month to all members of the Chapter, currently over 900.

Newsletter Rate:
$200 for 1/4 page
$400 for 1/2 page
$800 for full page

Website Rate:
$300 per calendar month

Format:
Word format, company logos in .jpg or .gif

Email:
Stacie Suh at Stacie@Stebbinsduffy.com

Deadline for January Newsletter: December 17, 2010
YEA

By Joshua Benoist

We are in the process of forming a Boston YEA group. YEA stands for "Young Engineers in ASHRAE." Our goal is to enable engineers age 35 and under to network with each other and with the older members in our society. ASHRAE is an aging society and we aim to engage our younger engineers, allow them to integrate and get to know the chapter at large, and to enable them to become involved in the society at all levels. The YEA group picks up where our Student Chapters leave off. So as a Student graduates and becomes an engineer, we hope they stay involved in ASHRAE and YEA is a resource there to welcome them to our chapter and help them in that transition.

We were scheduled to have a softball outing to raise money for the Cheryl Rossini Scholarship fund, but it was canceled. We will reschedule the softball to sometime next Spring or fall. We are currently looking to plan some other social activities to bring Students, YEA members and older members together and can use your help.

Please feel free to contact us at
Joshua Benoist, PE / Joshua.Benoist@Autodesk.com / (603) 206-9122

FREE SUNDAY RIVER & SUGARLOAF DISCOUNT SKI VOUCHERS

The Boston Chapter is participating in the Sunday River/Sugarloaf corporate voucher program again this year. Each voucher entitles you to purchase up to four discounted lift tickets [$65 Adults, $57 Teen, $46 Junior/Senior] at either ski resort by presenting an ASHRAE membership card, picture ID, and voucher. The regular adult price is $79. Contact Ed Waldman 508-405-1554, ewaldman1@verizon.net, if you would like any vouchers. There is no charge for the vouchers and there are no blackout dates.

Complete rules below:

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

PROJECT OF THE MONTH

Project of the Month section will be utilized to highlight unique or groundbreaking projects that showcase the talents of the HVAC Engineers in the Boston Chapter. Boston Chapter firms, we encourage you to submit your projects for inclusion as Project of the Month. ASHRAE Boston Chapter can submit your projects to society for honors/awards. We look forward to your submission of projects. Please email the project information to Stacie@stebbinsduffy.com.
MEETING RECAP

New ASHRAE Std 189.1 for High Performance Green Buildings
History Night / Research & Promotion Night / Donor Recognition Night

By: Bill Garvey

Our November 9th monthly meeting turned out well, we had over 100 people in attendance for the meeting. Those members that attended the meeting and signed the PIE sign-in sheet will receive a 1.0 PDH certificate.

We started the meeting off presenting one of the scholarship winners with his certificate and check. Bryan Hermanny presented the ASHRAE Research and Promotion donors with their ASHRAE Commemorative Coin. We thank all of our members and corporations for their continued support of ASHRAE Research and Promotion.

The presentation began after our Chapter business, and ASHRAE Distinguished Lecturer Dr. Thomas Lawrence gave his presentation on the New ASHRAE Std 189.1-2009 for High Performance Green Buildings. Thomas kept the meeting interesting and full of educational material, a lot more information than he could get through in the allotted time. It was great to have Thomas back to our Chapter to enlighten and educate our members. His complete presentation will be available on the chapter website soon.

Photos by Stacie Suh

Boston ASHRAE Chapter Attendees:

98 Members
9 Non-Members
5 Students
7 Walk-ins

By: Bill Garvey

Past President Bryan Hermanny conducted annual sponsor appreciation night and President Bill Garvey handed out the ASHRAE commemorative coins to sponsors.

Left to right: Robert Kean and Michael Williams, professor John Fitzgerald from Massasoit, Dan Diorio (Student Activities Chair).

Pat Duffy (President Elect) presenting Cheryl Rossini Future Engineers Scholarship award to Jeffrey Schlichte

Bill Garvey (Boston Chapter President) speaking after dinner.

Left to right: Thomas Lawrence (Speaker) and Bill Garvey (Boston Chapter President).
US votes to improve national building energy code by 30%

US state and local officials have voted to improve the national building model energy code to deliver a 30% boost in savings.

The new 2012 International Energy Conservation Code (IECC) covers the constructions of both new homes and commercial buildings across the US, as well as additions and renovations. The changes to the code ensures that homes are better sealed to reduce heating and cooling losses, improves the efficiency of windows and lighting, increases insulation in ceilings and walls, and improves hot water systems to reduce waste energy.

Commercial buildings will have to match homes with similar features, but will also include daylighting controls, continuous air barriers and use of economizers for climate controls. Efficiency will be further increased through use of renewable energy systems, more efficient HVAC equipment or lighting. The measures also require that new buildings will be commissioned to ensure that the actual energy performance meets the design brief.

“In the last four years, the International Code Council has accomplished more in efficiency improvements than all updates combined since 1975,” comments Harry Misuriello, fellow of the American Council for an Energy-Efficient Economy (ACEEE). “Local governments clearly realize that they and their citizens have an important stake in reducing building energy use.”

For further information check out www.iccsafe.org and http://aceee.org/

DOE Launches New Energy Efficiency and Renewable Energy Advisory

The U.S. Department of Energy (DOE) recently announced the establishment of the Energy Efficiency and Renewable Energy Advisory Committee (ERAC). ERAC is a federal advisory committee whose members will report directly to the Secretary of Energy with advice on the portfolio of the Office of Energy Efficiency and Renewable Energy (EERE). The 19 members selected have experience in a variety of sectors and will bring a range of technical expertise and perspectives to the committee.

“We are fortunate to have such knowledgeable people volunteering their time and efforts to the Department's clean energy endeavors,” said DOE Secretary Dr. Steven Chu. “They will be contributing their expertise and experience to help address the energy challenges faced by our nation.”

ERAC will periodically review EERE's portfolio and provide advice to the Secretary of Energy on a variety of areas, including: completion of long-range plans, priorities and strategies; program funding; and any issues of specific concern expressed by the Secretary of Energy or the Assistant Secretary for EERE. ERAC is expected to meet twice a year; the meetings will be open to the public. The Committee is being established in accordance with the Federal Advisory Committee Act (FACA). DOE also expects to organize various subcommittees under ERAC.

ERAC will hold its inaugural meeting on Tuesday, November 20, 2010 at the U.S. Department of Energy’s Forrestal Building, 1000 Independence Avenue, S.W., Washington, DC 20585. This meeting is open to the public, and ASHRAE will be in attendance.

For more information on ERAC members visit the EERE Advisory Committee Web Site at http://bit.ly/bFWiZh.
To view the press release, visit http://bit.ly/8YeTbP.
This year Greenbuild celebrated Generation Green with over 1,000 exhibiting companies and nearly 200 educational seminars at Chicago’s McCormick Place. With several notable speakers from a wide range of leadership and inspirational roles, Greenbuild 2010 highlighted the innovative spirit and dedication of people from all walks in our efforts to create a sustainable future.

Headlining the Opening Plenary was General Colin Powell, USA (Ret.) with inspiring remarks about leadership and innovation as well as his own personal story of overcoming the odds. General Powell touched on several topics including current efforts to retrofit U.S. Embassies around the globe as well as a new 50-unit housing building named after the General just a few blocks from Powell’s childhood home in the Bronx. The General Colin L. Powell Apartments complex recently earned a LEED Platinum Rating and features a host of sustainable features including a high-efficiency heating system, recycled materials, and a green roof. General Powell recounted that when he was growing up in the Bronx, roofs were covered in tar and kids would say, “I’m going up on tar beach to hang out.” The move toward green roofs now provides his former neighborhood with both a sustainable feature and a wonderful gathering place for the community. The General Colin L. Powell Apartments complex sets a new standard for urban housing design and construction and will hopefully serve as the model for future apartment construction in New York City.

General Powell also shared his thoughts on leadership including the traits that make a good leader: passion, high ethical standards, willingness to make tough decisions, and the ability to empathize with people’s needs and fears. “Every human being has a need to be recognized,” he said. “Good leaders are those who can see that.” He stressed that in order to be successful the sustainability movement needs good leaders, and those leaders should understand that everyone has a role to play.

General Powell also touched on overcoming obstacles by sharing his experience entering the Army in 1958, only four years after it was officially desegregated. “I have not let where I am from…be any kind of crutch,” he said. General Powell’s parents emigrated to the U.S. from Jamaica and he earned a degree in Geology from City College in Harlem before entering the Army for a highly illustrious career. He later returned to school to receive an MBA from George Washington University before eventually being appointed Secretary of State under President George W. Bush. His story of personal determination serves as an example for all people to defy the odds.

The Exhibit Hall at Greenbuild 2010 was dramatically larger than the last few years with an intense focus on energy efficiency. In years past, the Greenbuild Exhibit Hall included mostly architectural products and services with focus on using environmentally friendly construction materials. This year saw a vast increase in the number of vendors showcasing a wide range of energy efficiency products and strategies. From Building Performance Screens to packaged Wind Turbines to “Smart Grid” technology, the Greenbuild Exhibit Hall comprised the cutting edge of energy efficiency and performance monitoring throughout the Building Design, Construction, and Operation industries.

Greenbuild also included a few green concepts at the McCormick Place venue including real-time energy performance monitoring of the conference provided by Lucid Design Group as well as a contest among Exhibitors for the “greenest” exhibitor booth. One booth reduced their carbon footprint by using stationary cyclists to generate electricity for booth lighting.

In general, Greenbuild 2010 underscored the fact that sustainability has become a core value in the building industries, and people are responding by rapidly developing new ideas and products, improving existing strategies, and sharing their experience with others. Generation Green is here, and the tremendous amount of momentum we have is impacting our world for the better.
Employment Ad Section

AHA Consulting Engineers, Inc. is a leading Mechanical, Electrical, Plumbing, Fire Protection, Commissioning and LEED consulting engineering firm. Projects include the full life cycle development of laboratories, biotechnological, institutional, educational and commercial building systems.

We are currently seeking a Senior Sustainability Engineer & an Energy Modeler for our Corporate Headquarters in Lexington, MA.

Qualifications: **Senior Sustainability Engineer**
- Bachelor's degree (BSME, BSAE or related)
- LEED Accredited Professional
- Ability to perform LEED documentation and calculations
- Thorough understanding of LEED programs & experience with LEED online
- Understanding of Energy modeling protocols preferred
- Advanced knowledge of mechanical building systems, concepts and operations
- Ability to read and interpret engineering plans, schematics and specifications

Qualifications: **Energy Modeler**
- LEED Accredited Professional
- 2 or more years experience in energy modeling and calculations
- Operational understanding of and experience with eQuest
- Fundamental knowledge of building system operations
- Knowledge of and experience with LEED documentation and modeling requirements
- Knowledge of utility incentive application process is a plus

We offer a comprehensive benefit package, tuition reimbursement, 401(k) and profit sharing plan and more. Visit our website at www.aha-engineers.com. Please send resume and salary requirements to jobs@aha-engineers.com.

NO AGENCIES contact or submissions accepted.

Sebesta Blomberg is currently seeking an **Commissioning Engineer** for its Woburn, MA office.

The Commissioning Engineer applies standard practices and techniques in specific situations, adjusts and correlates data, recognizes discrepancies in results, and follows operations through a series of related detailed steps or processes. Prepares commissioning plans and specifications for small or limited-scope projects. Participates in Cx Design reviews. Conducts site visits to verify system/equipment installation and prepares Field Reports to document site observations and/or Functional Testing. Reviews system/equipment submittals and shop drawings for conformance with Owner’s Project Requirements and for commissionability. Drafts System Readiness Checklists and FTP and assists in conducting systems FPT. Assists in analyzing test results and compares to acceptance criteria outlined in the test procedure. Assists with troubleshooting, analyzing and/or researching equipment/system issues to determine root cause. Recommends solutions and/or corrective action for commissioning issues identified during site visits and/or functional testing. Participates in Commissioning Progress Meetings and/or Construction Progress Meetings. Reviews Operations & Maintenance data submitted by contractors for conformance with specifications and owner’s project requirements. Reviews Training Plans and instructor qualifications for conformance with specifications and owner’s training needs. Assists with preparation of Systems Manuals. Assembles data necessary to complete the summary Commissioning Report.

The successful candidates will have 3-5 years progressive commissioning or facilities operations & maintenance experience. A Bachelor's Degree within in engineering field preferred. Must be able to travel to worksites as needed or required.

Qualified candidates may apply at our website: www.sebesta.com.
Another month is in the books for the 2010/2011 ASHRAE season. I have been extremely pleased with the student turnout at the monthly meetings. The December meeting will present BIM Software for MEP Professionals. This is a great opportunity for students to learn more about the type of technology being used in the workplace.

Mike Williams, a student at Massasoit Community College, was the first ‘victim’ in the ‘Adopt a Student’ program. Mike joined me at a head table shared by other ASHRAE Officers and Board of Governor members. We discussed his current classes which focus on HVAC as well as his plans following graduation this coming spring. Mike displayed a genuine enthusiasm for the ASHRAE community and will continue to stay involved as he begins his professional career. Please be sure to contact me as soon as possible if you are planning on attending the December meeting and would like to be…adopted!

Students! If you are receiving this newsletter from your faculty advisor, and not through your personal ASHRAE membership, please listen up! I’d like to personally invite you to become Student Members of ASHRAE. Student Membership has wonderful benefits in addition to being able to attend monthly meetings for FREE! You will receive monthly editions of the ASHRAE Journal, ASHRAE Insights, and the HVAC&R Industry Newsletter. There are also major discounts available on ASHRAE publications, including the handbooks. For more information, be sure to visit www.ashrae.org/students.

Student activities are being planned for this winter and coming spring. They will likely include things such as on-site lectures and presentations as well as construction site walkthroughs. If there are additional activities you would like to see planned or if you are interested in hosting or presenting, please contact me when you have a free moment.

See you all at the December meeting! As usual, make sure to wander over and say hello during the social hour. If you’re old enough, I’ll even trick one of my fellow Board Members into buying you a drink! For more information about Student Activities, I can be reached at daniel.diorio.2@bc.edu.
Notice to Members (and Non-Members)

In an effort to clean up our meeting mailing list, we are asking that all ASHRAE members log in and ensure their information is current and up-to-date, especially the e-mail address. We would like to minimize the amount of returned mail notices that are received plus ensure that our members are receiving the meeting notices in a timely manner. We will soon be switching to sending emails only to members at the email addresses that are listed with ASHRAE. If you are not sure that you have recently updated you information (especially email address!) please take a minute login to http://www.ashrae.org/ with your membership card and update your information. For those that are no longer members, please consider re-upping or follow the new mailing list procedure below.

For all non-members, if you wish to continue receiving notices of the meetings you must opt in by sending a specific request to remain on the mailing list. Please send your request to Enrique de los Reyes at Enrique.de.los.Reyes@mail.ashrae.org. Again this will help to keep our mailing list up-to-date. **As of October 30, all non-members who have not requested to be on the mailing list in this manner will be removed from the list.**

Thank you in advance for your assistance.

Regards,

Teri Shannon  
Membership Promotion Chair  

Enrique de los Reyes  
Membership Promotion Committee  

William Tang  
Attendance Chair

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**ASHRAE Boston 100th Year Gala Event**

*By Bob Persechini  
Darcy Carbone*

We are looking for companies, people, places and things that have formed our engineering community for the past 100 years. ASHRAE Boston Chapter would like to showcase them in our monthly newsletters and website. We look forward to your submission of projects. See page 22 for pictures that were taken back in the 90’s of ASHRAE members.

Please email the project information to Stacie@stebbinsduffy.com.
Research Promotion

By Bryan Hermanny

Last month's meeting was a Donor recognition Night, and we had the opportunity to recognize our donors for helping us meet our campaign goal last year. Each donor will receive a certificate in the mail soon for their efforts. The donors with larger donations had earned the commemorative coin and wooden plaque holder, and we presented each with their plaque at the meeting.

Those that received the coins that night were:
- Air Industries Inc.
- APA
- Cornerstone Commissioning, Inc.
- Frank I. Rounds Company
- RDK Engineers
- RST, Inc.
- Vanderweil Engineers, Inc.
- WSP Flack and Kurtz

Thank you again to all that donated to the 2009-2010 campaign, we hope that you'll be able to repeat (or exceed!) your donation again this year!

Winter Conference Technical Program to Focus on Net-Zero Energy Design, Greening the Industry

ATLANTA—Highlighting the importance of finding balance in design, the extravagant setting of Las Vegas serves as a unique contrast to the 2011 ASHRAE Winter Conference Technical Program’s theme of net-zero energy design. The Technical Program features a wide-range of programs and papers addressing the real cost of net-zero energy design, the efficient use of energy, the greening of the industrial base and other topics related to design, standards, codes and professional skills. In total, the program includes paper-related sessions – five technical paper sessions, 24 conference paper sessions and a poster session – application-oriented, non-paper seminars (57) and open discussion forums (8).

Numerous sessions address the “real cost of net-zero energy buildings” and cover modeling and design, applications and equipment. Also, several sessions examine how countries around the world have approached net zero, such as Cutting-Edge Japanese Technologies for Zero-Energy Buildings, Zero Energy Buildings around the World and European Net-Zero Energy Activities and Buildings. As a nod to the Conference location, several sessions focus on HVAC systems for casinos, such as Designing for Improved Air Quality in Casinos with ETS and Historical Perspectives: Las Vegas Casino Design Past to Present. Other sessions address the growing demand for green buildings and the importance of integrated design: Mechanical Engineer’s Role in Green Building and Building Development: High Performance Teamwork for High Performance Buildings.

The Virtual Conference includes access to all speakers’ PowerPoint and audio presentations, an open forum for a two-week period following the conference and the ability to rate presentations.

The 2011 ASHRAE Winter Conference and will take place at the Las Vegas Hilton hotel, Las Vegas, Nev. For complete conference information, including abstracts on all technical program sessions, or to register, visit www.ashrae.org/lasvegas. Those who take part in the early-bird registration before Dec. 31 can save up to $160 from on-site costs.

ASHRAE is an international technical society that fulfills its mission of advancing heating, ventilation, air conditioning and refrigeration to serve humanity and promote a sustainable world through research, standards writing, publishing and continuing education.
This month’s column contains some fantastic biographical information, insights, and feedback for going forward as a Chapter. We thought it would be a wonderful idea to briefly interview some of our Past Presidents, to check in with them, and to give them an opportunity to share with all of our membership their recollection and recommendations.

To gain the “historical” aspect, only Presidents that served more than ten years past were interviewed.

The questions were simple.

1. Why did you become involved with the ASHRAE and more specifically with the Boston Chapter?
2. What do you consider the greatest accomplishment of your term of service?
3. Do you have any feedback as to the current state of the Chapter.

The interviews are not necessarily in chronological order vis a vis their years of service but are represented in the order in which the Presidents responded.

**Bob Persechini (1989-90)** got involved while working for Ginns/Dubin Engineers, and Bud Jensen (83-84) continually “kept dropping off ASHRAE literature” to his office. Bob finally “relented” and joined the Chapter, and has become one of our most dedicated and hard working Past Presidents with his work at the Society level and spear heading numerous other committees and events throughout the years. He lists his greatest achievement as presiding over the 1997 Summer Meeting, despite his status as Past President at the time. He stresses the continuity of “new blood” in the Chapter as the most important issue to keeping us strong.

**Ed Waldman (1994-95)** wanted to give back to this great industry some of the good will for his success running his own Rep Firm. He recounts his continued interaction with Engineers and other members as invaluable. His greatest accomplishment was moving the monthly meetings from the tiny Mugar Hall at Tufts to its most accessible and much larger venue at Doubletree. He compliments the current administration as being “strong and well run”.

**Paul Katzantsis (1991-92)** placed great emphasis on the “networking” capabilities omnipresent in frequent attendance as the single driving reason for his getting involved.

His important credit for all of us and the future of the industry in general is reviving the Scholarship Fund from its dormant status at the time into the vibrant and vital status that it currently occupies. Paul says that the Chapter is “on the right track” but we need to attempt to solicit the involvement of more varied and dynamic speakers for the monthly meetings.

**Rich Scogland (1987-88)** was involved in a career change from the pertro-chemical field into the cooling tower equipment market and wanted to be as proactive as possible to establish his interest in our great industry. His finest accomplishment was presiding over the 1988 CRC held in Boston despite being very ill. Personal kudos from the Historian go out to Mr. Scogland on that one. He is very upbeat about the status of the current Chapters’ operations but agrees with Paul Katzanziss that topical, “quality” and varied speakers be sought out for the meetings.

**Jim Magarian (1990-91)** became active in ASHRAE, again, to interface with other Engineers and as a principal now of TMP Consulting Engineers, his service and affable manner has served the Chapter well. He is a good friend to all of us. His greatest accomplishment goes right along the lines of his desire to do his part to make the HVAC industry more “user friendly” through networking and interaction with our peers. Jim is very pleased that the “torch has been passed” to the younger Engineers just as it was to those of us who came up through the Chairs in the 80’s and 90’s.

**Eric Edman (1997-98),** who along with Bob Persechini is considered a “superstar” of the Boston Chapter by this writer, became “convinced” to join ASHRAE in 1982 while a student at (now) Massasoit College at Blue Hills. He was further prodded by Steve Gins, a classmate and now President of S J Ginns Company to become more involved, and the rest as they say is “history”. He continues to enjoy a great career at BR+A. Erics’ accomplishments are almost infinite. He is responsible for organizing the most successful local Product Show in the Region, for his success in keeping the Roster and Product Guide as its very valuable tool, and for establishing the student chapter at M I T.

He states that our Chapter contains a “real feeling of caring and doing a great job”.

Amen, Eric.

**Allan Ames (1993-94)** with whom yours truly had the honor of being his President Elect, initially got involved while in college at U Mass. His course in HVAC design and its emphasis on the Fundamental Handbook, to paraphrase Mr. Ames, “clinched the deal”. Gene Bard (1988-89) further encouraged Allan to move into the Chairs and he is considered at the top of his profession and a valued asset to the Chapter for his wisdom and experience. His involvement with the Product Show is listed as one of his many accomplishments as President, and he is also proud of the fact that he was able to draw more practicing consulting Engineers to the meetings. Allan has nothing but good things to say about the current strength of the Chapter, the attendance and the topics of the meetings.
Membership Promotion

By Teri Shannon

Please join me in welcoming the following new members – be sure to say hi to these folks at future meetings:

Members: Chris Albers, Terri Laurence

Associate Members: Adil Abdul, Kevin Bernier, Stephen Brown, Andrew Doe, Noel Keating, Mark Leonard, Paul Query

Student Members: Kristoffer Brinch, Russell Diatalevi, Ryan Eisenhaver, Diego Ibarra, Tim Nash, Amanda Webb, Alec Zebrowkis

To all current Associate Members – If you have 12 or more Society-approved years of experience with ASHRAE and/or the HVAC field, you should consider applying for an advancement to Member grade. To advance from Associate to Member, you must update your ASHRAE bio online and notify Society at membership@ashrae.org that you have an updated bio and wish to be considered for advancement. To update your bio, log in at www.ashrae.org and click on “update your bio”. Click on the link “Edu.Pro.Reg” located in blue font above your name to add all of your educational history, relevant professional licenses and work history.

Reasons to advance:
- Prestige
- Chapter recognition through the newsletter
- Chapter recognition at meeting
- Society recognition in Insights
- To serve on a technical committee
- To server in a regional role
- To qualify for ASHRAE Fellow and other Society awards
- Allows your Chapter to shine

If you have any questions on advancing your membership, please do not hesitate to contact me at tshannon@dac-hvac.com.

Reminder to all members - Please verify your membership dues are up to date! Members who are more than 6 months delinquent on their Society dues will be cancelled. In order to continue to receive the benefits of being a Boston ASHRAE member, including reduced meeting fees and free PDH’s, please be sure to renew your dues in a timely manner.

Please do not hesitate to contact me (tshannon@dac-hvac.com) if you have any questions on your membership, dues or updating your contact information.

Cheers,
Teri

Webmaster’s Notes

By Steve Rosen

The ASHRAE Boston website www.ASHRAEBoston.org was awarded the highest honor at the CRC 2010 held this year in Watkins Glen, the Webstation of Excellence.

Many thanks to our website designer Donna Harrington of Avant-garde Graphics, Inc.

We will be keeping the site current with information; check back often!

On the Employment page (under the Chapter Updates section) not only will you see job opportunities, but we are now accepting resumes to post for free from any ASHRAE member in good standing looking for work!

Let employers find you on the ASHRAE Boston website!

We will continue this year to post past meeting presentations for our members to review, and our Chapter is continuing our efforts to reduce waste by eliminating printed handouts at our meetings.

As always you will also be able to link to following:
- Chapter officers and committee chairs contact information (who’s who)
- Chapter monthly meeting info (when, what, where)
- Region I website, and view the Chapter history
- Sign up for the e-mailed newsletter
- Confirm attendance at the monthly meeting
- ASHRAE membership information

And also view the following:
- Current chapter newsletter, past newsletters, upcoming events and future meetings
- Other functional Chapter committee pages; Membership, RP, SA, Programs, CTT.
- Most recent and past BOG/Meeting minutes
What’s New in our Chapter

By Teri Shannon

Meeting Minutes of the Board of Governor’s
Last Planning Meeting
(Meeting was held on November 9, 2010)

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:

**Roster & Product Guide**
The BOG has been discussing the possibility of making the Chapter Roster & Product Guide into a CD/DVD or accessible via the Chapter website. A committee is being formed to help spearhead this effort. [Note – anyone wishing to volunteer for the committee should contact President Bill Garvey] Goal is to publish this in March 2011.

**CRC 2012**
Boston will host the 2012 Region 1 CRC, which coincides with Boston’s 100th anniversary. This will be held the 3rd weekend of August 2010. A gala event will be held on the Saturday night. Venues are being researched for both the CRC and gala event. Bob Persechini and Darcy Carbone are general co-chairs of the committee and are looking for volunteers to participate on the many sub-committees that will be formed – Tours, Sessions, Information and Hospitality, to name a few. Anyone wishing to volunteer should contact Bob or Darcy. Monthly meetings will be held before the BOG meetings, at 4:00 PM, starting next month.

**Research & Promotion**
The November meeting is Research & Promotion Night. Bryan Hermanny will be presenting certificates to donors. He noted that R&P is currently at $1,700. He also noted that the Chapter has met the Full Circle Award.

**Sustainability Committee**
Jim Armstrong, co-Chair of the Sustainability Committee noted they are working on putting together a calendar showing various organizations’ events. He noted that National Grid will be sponsoring a data center program in March/April. If you know of an event they should list, or would like to volunteer on the committee, please contact Jim at jarmstrong@siemens.com.

**YEA Committee**
A new YEA committee has been formed, for the Young Engineers in ASHRAE; Josh Benoist is the Chair. Josh will be looking into some YEA events/meetings, to take place outside of the usual monthly ASHRAE meetings. If you are a YEA and would like participate in these activities (or volunteer on the committee!), please contact Josh at joshua.benoist@autodesk.com.

**Doubletree Hotel – Changing Names!**
Over the next few months, as you attend the monthly meetings, you will notice construction and renovations taking place at the Doubletree Hotel. The hotel will be changing names – will be the Embassy Suites. This will not affect our meetings, and it should all be completed by our January meeting.

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**Presidential Award of Excellence**

**Boston Chapter - 2010~2011**

<table>
<thead>
<tr>
<th>Chapter Members</th>
<th>Membership Promotion Points</th>
<th>Student Activities Points</th>
<th>Research Promotion Points</th>
<th>History Points</th>
<th>Chapter Organization Points</th>
<th>Chapter Technology Transfer Points</th>
<th>Chapter PAOE Point Totals</th>
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<tr>
<td>974</td>
<td>200</td>
<td>675</td>
<td>0</td>
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<td>450</td>
<td>275</td>
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</tbody>
</table>
How do HVAC system and ground characteristics affect ground heat exchanger design? How can ground source heating design enhance system efficiency? Hear the answers to these questions and more from the experts by participating in the ASHRAE Webcast, "Ground Source Heat Pump Systems - Putting the Earth to Work for You." Register and access this free webcast via the Internet on April 21, 2011, from 1p.m. to 4p.m. EDT. The program is sponsored by ASHRAE's Chapter Technology Transfer Committee with support from ClimateMaster, Mammoth, and Taco.

On-line registration begins March 21, 2011 at www.ashrae.org/GHPwebcast

Three (3) Professional Development Hours (PDHs) or three (3) AIA Learning Units (LU's) may be awarded to viewers who complete the "Participant Reaction Form" online by April 30, 2011.

Chapters are welcome to serve as viewing sites for multiple members, and may earn up to 100 Presidential Award of Excellence (PAOE) points for hosting the webcast.

Information about the program, presenters, continuing education credits, sponsorships, and heat pump resources are available at www.ashrae.org/GHPwebcast. Please watch for updates via ASHRAE Insights and www.ashrae.org.

If you have questions, please call (678) 539-1200 or email ashrae-webcast@ashrae.org
ASHRAE’s Educational Training and Publications

ASHRAE Learning Institute
Seminars & Courses at ASHRAE’s Winter Conference in Las Vegas, NV

2 WAYS TO REGISTER
Internet: www.ashrae.org/lasvegascourses
Phone: Call 1-800-527-4723 (US and Canada) or 404-636-8400 (worldwide)

Full Day Professional Development Seminar
$485/$395 ASHRAE Member -- Earn 6 PDH/6 CEU or 6 AIA LU credits
The Commissioning Process in New & Existing Buildings
Saturday, Jan 29 – 8:00 a.m. to 3:00 p.m.
Healthcare Facilities: Best Practice Design and Application
Saturday, Jan 29 – 8:00 a.m. to 3:00 p.m.
Complying with ASHRAE/IES Standard 90.1-2010
Saturday, Jan 29 – 8:00 a.m. to 5:00 p.m.
Implementing Energy Management in New and Existing Buildings: A Sustainable Activity
Saturday, Jan 29 – 8:00 a.m. to 3:00 p.m.
Integrated Building Design
Saturday, Jan 29 – 8:00 a.m. to 3:00 p.m.
Energy Modeling Best Practices and Applications: HVAC/Thermal
Tuesday, Feb 1 – 9:00 a.m. - Noon, 2:00 p.m. - 5:00 p.m.

Half Day Short Courses
$159/$119 ASHRAE Member -- Earn 3 PDH/3 CEU or 3 AIA LU credits
Fundamental Requirements of ASHRAE Standard 62.1-2010
Saturday, Jan 29 – 8:00 a.m. to 11:00 a.m.
Understanding Air-to-Air Energy Recovery Equipment and Applications
Sunday, Jan 30 – 2:00 p.m. to 5:00 p.m.
Using Standard 90.1 to Meet LEED Requirements
Sunday, Jan 30 – 2:00 p.m. to 5:00 p.m.
Determining Energy Savings from Performance Contracting and LEED Projects: M&V
Monday, Jan 31 – 2:30 p.m. to 5:30 p.m.
Understanding & Designing Dedicated Outdoor Air Systems (DOAS)
Tuesday, Feb 1 – 9:00 a.m. to Noon
Successful Solar Applications for Commercial & Industrial Facilities
Tuesday, Feb 1 – 9:00 a.m. to Noon
District Cooling & Heating Systems: Central Plants
Tuesday, Feb 1 – 2:00 p.m. to 5:00 p.m.
Application of Standard 62.1-2010: Multiple Spaces Equations & Spreadsheet Calculation
Saturday, Jan 29 – Noon to 3:00 p.m.
Chilled Beam Technology for Excellent Indoor Climate in an Energy Efficient Manner
Sunday, Jan 30 – 2:00 p.m. to 5:00 p.m.
The Commissioning Process & Guideline 0
Monday, Jan 31 – 2:30 p.m. to 5:30 p.m.
Understanding Standard 189.1-2009 for High-Performance Green Buildings
Monday, Jan 31 – 2:30 p.m. to 5:30 p.m.
Low Temperature Radiant Heating & High Temperature Radiant Cooling Systems
Tuesday, Feb 1 – 9:00 a.m. to Noon
Avoiding IAQ Problems: Using ASHRAE’s New IAQ Guide
Tuesday, Feb 1 – 2:00 p.m. to 5:00 p.m.
Designing Toward Net Zero Energy Commercial Buildings
Tuesday, Feb 1 – 2:00 p.m. to 6:00 p.m.

New Publications from ASHRAE
- ANSI/ASHRAE 55-2010 – Thermal Environmental Conditions for Human Occupancy
- ANSI/ASHRAE 62.1-2010 – Ventilation for Acceptable Indoor Air Quality

Package:
- ANSI/ASHRAE 34-2010 – Designation and Classification of Refrigerants

Visit www.ashrae.org/bookstore to order

ASHRAE eLearning
Get web-based training you can trust, anytime, anywhere, and earn PDHs/CEUs in the process.
- Energy Efficiency
- High-Performance Green Buildings
- Data Centers
- HVAC&R

Train around your schedule.
Save time and travel expenses.
Visit www.ashrae-elearning.com

ASHRAE Certification Programs
Take advantage of ASHRAE’s special pencil & paper administration of our certification examinations on Wednesday Feb. 2, 2011, in conjunction with the 2011 ASHRAE Winter Conference.
- Building Energy Assessment Professional (BEAP)
- Building Energy Modeling Professional (BEMP)
- Commissioning Process Management Professional (CPMP)
- Healthcare Facility Design Professional (HFDP)
- High-Performance Building Design Professional (HPDP)
- Operations & Performance Management Professional (OPMP)

For more info, visit www.ashrae.org/lasvegas certification
ATLANTA – The team that brought you the national standard for energy efficiency in commercial buildings has joined together to help homes attain higher levels of energy performance.

ASHRAE and the Illuminating Engineering Society of North America (IES) are working together to strengthen requirements in ANSI/ASHRAE Standard 90.2, *Energy Efficient Design of Low-Rise Residential Buildings*. Previously, the standard was developed only by ASHRAE and was first published in 1993.

Standard 90.2 provides minimum requirements for the energy-efficient design of residential buildings. Last year, ASHRAE’s Board of Directors recommended to the Standard 90.2 committee that it consider a goal of writing the standard so that it is 30 percent more efficient than the 2004 version, including both a prescriptive and a performance path.

The standard would target home builders and code officials in an easy-to-understand format that is simple to use. The committee plans to have an advisory public review of the standard later this year to determine whether proposed changes are meeting the needs of the audience.

“ASHRAE is honored and proud to have IES as a co-sponsor of Standard 90.2,” ASHRAE President Lynn G. Bellenger said. “The partnership between ASHRAE and IES originated 35 years ago when we joined together to create the first building energy conservation standard, ANSI/ASHRAE/IES Standard 90-1975, *Energy Standard for Buildings Except Low-Rise Residential Buildings*. The partnership has flourished as we’ve collaborated on updates to that standard and created Advanced Energy Design Guides. Now, as we focus on the residential market, whose 107 million housing units consume 22 percent of the primary energy in the U.S., we have the opportunity once again to define the actions needed to make energy conservation our ‘first fuel.’ By identifying ways for this major market to reduce energy use and costs, we serve the public and increase our energy security.”

“The opportunity to be a cosponsor with ASHRAE on this standard continues the long standing and successful partnership on a trilogy of standards addressing energy conservation – Standard 90.1, *Energy Standard for Buildings Except Low Rise Residential Buildings*, Standard 100, *Energy Conservation in Existing Buildings*, and now 90.2 dealing with efficient design of low-rise residential buildings,” Rita M. Harrold, IES director of technology, said. “IES will contribute expertise in providing ways to achieve energy savings through lighting in this important market segment that consumes approximately 212 billion kWh per year, or approximately 15 percent of residential electricity consumption. The challenge here will be to achieve savings while still providing a quality environment to satisfy occupant needs.”

For Release: November 2, 2010  Contact: Jodi Scott / Public Relations /678-539-1140 /jscott@ashrae.org
SOCIETY NEWS

2010 Energy Standard Provides for 20 Percent-Plus Energy Savings

ATLANTA – By following the guidance in the newly published 2010 energy standard from ASHRAE and IES, more than 20 percent energy reduction can be achieved over savings in the 2004 standard.

“This year marks the 35th anniversary of our flagship energy conservation standard, and the 2010 version of 90.1 represents a milestone achievement in increased energy and cost savings,” Lynn G. Bellenger, ASHRAE president, said. “Working within the constraints of strict economic justification and a prescriptive format, the project committee has achieved remarkable energy savings across all building types and U.S. climate zones. The standard is written in mandatory code language and offers code bodies the opportunity to make a significant improvement in the energy efficiency of new buildings, additions and major renovations. We congratulate the project team and our partners of 35 years, the Illuminating Engineering Society.”

“IES is pleased to continue in its role as a partner with ASHRAE in this 2010 edition of standard 90.1,” Rita M. Harrold, director of technology, said. “Each revision brings new challenges to find ways to reduce energy. Our congratulations to the project committee for its diligence in identifying and demonstrating significant energy savings opportunities compared to the 2004 standard. IES contributions to the savings have been achieved by refining lighting power limits and placing more emphasis on controls and system energy use. We look forward to participating in future versions of the standard where even more focus will be placed on how we can support the goal of designing quality lighting while balancing human needs with energy and cost savings in all building types.”

ANSI/ASHRAE/IES Standard 90.1-2010, Energy Standard for Buildings Except Low-Rise Residential Buildings, provides minimum requirements for the energy-efficient design of buildings except low-rise residential buildings. The standard contains 109 addenda approved since the 2007 standard was published.

At the time of publication, the energy cost savings of the new standard vs. the 2004 standard are estimated to be more than 20 percent. Not all addenda have been included in analysis for these energy savings estimates. Final savings estimates will be issued by ASHRAE when available.

How was the energy reduction achieved? Here are a few examples:

- The Scope was expanded so that 90.1 covers receptacles and process loads, including data centers. This allows future addenda to the standard to address energy consuming equipment and systems previously outside its scope.
- Continuous air barrier and cool/high albedo roof requirements were added.
- Lighting: Most interior Lighting Power Densities were lowered, and additional occupant sensing controls and mandatory daylighting requirements were added for specific spaces, along with a new five-zone exterior Lighting Power Density table.
- Mechanical: Most equipment efficiencies are higher, energy recovery is required in more applications, economizers are required in more climates and more energy-conserving controls are required.
- Modeling requirements have been clarified and expanded so that building modelers can more accurately compare energy cost of their building project with an appropriate baseline building as defined by the standard.

“The 2010 edition of Standard 90.1 represents a significant accomplishment by ASHRAE and IES to implement cost-effective measures for energy conservation in new buildings designed using the standard,” Steve Skalko, 90.1 committee chair, said.

Since being developed in response to the energy crisis in the 1970s, Standard 90.1 has become the basis for building codes, and the standard for building design and construction throughout the United States.

The cost of 90.1-2010 is $125 ($106, members). The standard is currently available as a PDF download with hard copies slated to be available for purchase later in November. Hard copies are now available for pre-order. To order, contact ASHRAE Customer Service at 1-800-527-4723 (United States and Canada) or 404-636-8400 (worldwide) or visit www.ashrae.org/bookstore.

For Release: November 3, 2010 Contact: Jodi Scott / Public Relations /678-539-1140 /jscott@ashrae.org
SOCIETY NEWS

International Code Council (ICC)
Takes Action on ASHRAE Proposals

ATLANTA – International building codes will incorporate requirements from a new load calculation standard from ASHRAE and ACCA as well as match requirements from Standard 90.1 under several recent proposals recently approved by the ICC membership.

Final action hearings took place during the last week of October to determine the final disposition on ASHRAE proposals to the ICC, which develops model codes that may be adopted by code jurisdictions in the United States or internationally. The actions taken will next appear in the 2012 I-Codes – due out in April 2011.

Under a proposal to the International Mechanical Code (IMC), inspection and maintenance of HVAC systems will be required by ANSI/ASHRAE/ACCA Standard 180-2009, Standard Practice for Inspection and Maintenance of Commercial Building HVAC Systems. The standard establishes minimum requirements for inspection and maintenance of HVAC systems to ensure proper functionality which will save energy and money for the building owner in addition to preventing potential accidents by failing systems.

“Inclusion of Standard 180 in code documents is an important advance,” Robert Baker, chair of the Standard 180 committee, said. “Proper maintenance is critical to preserving an HVAC Systems ability to continue to realize the energy efficiency capabilities that are designed into today’s systems. If we are to realize the vital energy independence goals that we have established, excellence in maintenance will be an important part of the package of things we must achieve.”

“Correctly designing and installing an HVAC system are only the first steps to proper performance of the system,” John Sedine, president, Engineered Heating & Cooling; ACCA chairman of the BOD, said. “An HVAC system must be properly maintained or it does not perform as originally designed; contributing to unhealthy environments, consuming excess energy, and reducing comfort levels. ACCA congratulates the code enforcement community’s adoption of the ACCA/ASHRAE 180 Commercial Maintenance Standard; providing code officials with a nationally-recognized standard to which they can refer. This is an important step toward safer and more efficient commercial buildings.”

Also approved were proposed changes regarding energy stringency based on requirements in ANSI/ASHRAE/IES Standard 90.1-2010, Energy Standard for Buildings Except Low-Rise Residential Buildings. These changes include:

- Adding requirements for areas under skylights, including lighting controls in areas where skylights are used in order to take advantage of natural light in conditioned spaces.
- Modifying equipment efficiency requirements for heat rejection and heat transfer equipment including open and closed circuit cooling towers, chillers, unitary air-conditioning and condensing units, unitary and applied heat pumps, singe package vertical air conditioners and packaged terminal air conditioners.
- Modifying the piping insulation requirements

Also related to 90.1 was a proposal that rewrote the majority of the commercial chapter of the IECC. This proposal maintained the reference to the prescriptive requirements of Standard 90.1, and made the following requirements consistent with 90.1-2010:

- Fenestration leakage
- Demand control ventilation
- Energy recovery
- Economizer efficiency
- Lighting controls, including daylight zone controls and manual lighting controls
- Lighting system functional testing
- Building area and space by space lighting power densities

The proposal calls for an additional path of compliance for water-cooled chillers and consolidation of and new requirements for some of the existing categories.

ASHRAE, founded in 1894, is an international organization of some 50,000 persons. ASHRAE fulfills its mission of advancing heating, ventilation, air conditioning and refrigeration to serve humanity and promote a sustainable world through research, standards writing, publishing and continuing education.
Boston Chapter ASHRAE will be holding Region I Chapters’ Regional Conference (CRC) August 2012 which is also the chapters 100th anniversary. We are looking for volunteers to be on the Host Committee to help plan many of the events that will occur during the conference especially our 100th year anniversary Gala!!!!

Please contact Darcy Carbone – CRC General Chair dcarbone@stebbinsduffy.com or Bob Persechini- CRC Co-Chair Rpersechini@RDKengineers.com

More information will be made available soon.

**Boston Chapter ASHRAE Started February 8, 1912**
Originally the Boston Chapter was the Massachusetts Chapter.

The Name
1894-1954 -- American Society of Heating and Ventilating Engineers (ASHVE) and chartered the Massachusetts Chapter February 8, 1912.
1954-1962 -- American Society of Heating and Air Conditioning Engineers (ASHAE)
1905-1962 -- American Society of Refrigerating Engineers (ASRE). Formed in 1905 and chartered the Boston chapter December, 4 1929
1959 -- Society name ASHRAE is known since January 1959 when ASRE and ASHAE society predecessors merged.
1959-Present -- American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE)

Early History
Quote directly (including punctuation, capitalization, and spelling) from the 1912 ASHRAE Transactions, Proceedings of the Semi-Annual Meeting, "Report of Massachusetts Chapter", p. 326:
"The first meeting of the Massachusetts Chapter was held at the office of the Society at the Engineering Societies’ Building, New York City. H. W. Whitten was elected temporary President, and D.S. Boyden, temporary Secretary. A committee on constitution and by-laws, of which Wm. G. Snow was chairman, and on nomination of officers, of which A.B. Franklin was chairman, were appointed.

"The second meeting was held February 8, at office of Cooper & Bailey, 89 Franklin street, Boston. The following officers were elected:

"President, Wm. G. Snow.
"Vice-Presiden, Frank Irving Cooper.
"Secretary, Herbert W. Whitten.
"Treasurer, Wm. T. Smalmlan.


"Mr. Snow reported a constitution and by-laws which were adopted, subject to the action of the Board of Governors of the parent body.”

Other items to note
The first elected president William G. Snow had been national president of the society in 1909.

Boston has hosted Society events the first was in 1925 and took place jointly in New York and Boston and they commuted by train:

<table>
<thead>
<tr>
<th>Year</th>
<th>Event Type</th>
<th>Date</th>
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<tr>
<td>1925</td>
<td>ASHRAE Annual</td>
<td>January 27-30</td>
</tr>
<tr>
<td>1932</td>
<td>ASHRAE Semi-Annual</td>
<td>June 9-11</td>
</tr>
<tr>
<td>1945</td>
<td>ASHRAE 51st Annual</td>
<td>November 25-28</td>
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<tr>
<td>1956</td>
<td>ASHRAE Semi-Annual</td>
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<td>1975</td>
<td>ASHRAE Annual</td>
<td>June 22-26</td>
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<tr>
<td>1997</td>
<td>ASHRAE Annual</td>
<td>June 28-July 2</td>
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</table>
Shirts ordered can be picked up at monthly meetings or mailed out for an additional $2.50 per shirt.

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

Mail to:
Bob Persechini
RDK Engineers
70 Fargo Street, Suite 800
Boston, MA 02210

Enclosed is check for $______ for quantity _______ x $35.00  Short Sleeve Polo shirts to be picked up
$______ for quantity _______ x $37.50  Short Sleeve Polo shirts to be mailed
$______ for quantity _______ x $40.00  Long Sleeve Polo shirts to be picked up
$______ for quantity _______ x $42.50  Long Sleeve Polo shirts to be mailed
Total $ ______________

Name: ____________________________  Address: _________________________________________
Phone:________________  Fax:___________________  E-mail:______________________

Shirt color:  □ Navy  □ Columbia Blue

Shirt sizes:  Men/Quantity:  S___  M___  L___  XL___  XXL___  XXXL___
Women/Quantity:  S___  M___  L___  XL___  XXL___  XXXL___
CALL FOR INFORMATION

Photos Submitted by Bob Persechini

Guess who is in the picture?

Contact Stacie Suh at Stacie@Stebbinsduffy.com to claim your prize.

ASHRAE Boston Chapter
Year 1997, Annual Meeting
Boston, MA

Pictures:
Top left and right: Bob Persechini
Bottom: Bob Persechini
<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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<td>September</td>
<td>Tour of Fenway Park</td>
<td>NA</td>
<td>Steve Nicholas</td>
<td>Fenway Park</td>
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<td>Thursday, September 23, 2010</td>
<td>AFE joint Meeting</td>
<td><a href="mailto:snicholas@airinds.com">snicholas@airinds.com</a></td>
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<tr>
<td>October</td>
<td>AHRI Efficiency Std 1230 &amp; Impact on ASHRAE Std 90.1</td>
<td>Andrew Moore</td>
<td>1.0</td>
<td>Steve Tafone</td>
<td>Doubletree - Waltham</td>
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<td>Tuesday, October 12, 2010</td>
<td>Student Night/ Membership Night</td>
<td><a href="mailto:stafone@berry.com">stafone@berry.com</a></td>
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<tr>
<td>November</td>
<td>New ASHRAE Std 189.1 for High Performance Green Buildings</td>
<td>Thomas Lawrence</td>
<td>1.0</td>
<td>John Morrill</td>
<td>Doubletree - Waltham</td>
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<td>Tuesday, November 9, 2010</td>
<td>History Night / Research &amp; Promotion Night / Donor Recognition Night</td>
<td><a href="mailto:mequip@verizon.net">mequip@verizon.net</a></td>
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<td>December</td>
<td>BIM Software for MEP Professionals</td>
<td>William Mainor</td>
<td>TBD</td>
<td>Bill Garvey</td>
<td>Lantana’s</td>
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<td>Tuesday, December 14, 2010</td>
<td>ASPE Joint Meeting</td>
<td><a href="mailto:william.garvey@wspfk.com">william.garvey@wspfk.com</a></td>
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<td>January</td>
<td>Steam Systems – The Lost Art</td>
<td>Mark Ehrenzeller</td>
<td>TBD</td>
<td>Pat Duffy</td>
<td>Doubletree - Waltham</td>
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<td>Tuesday, January 11, 2011</td>
<td>Membership Night/YEA</td>
<td><a href="mailto:pjd@brplusa.com">pjd@brplusa.com</a></td>
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<td>February</td>
<td>Modeling a Sustainable World</td>
<td>Lynn Bellenger</td>
<td>TBD</td>
<td>Teri Shannon</td>
<td>Doubletree - Waltham</td>
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<td>Tuesday, February 8, 2011</td>
<td>Past President’s Night/ YEA Night</td>
<td><a href="mailto:tshannon@dac-hvac.com">tshannon@dac-hvac.com</a></td>
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<td>March</td>
<td>Commissioning Green Buildings</td>
<td>Ron Wilkinson</td>
<td>TBD</td>
<td>Steve Nicholas</td>
<td>Doubletree - Waltham</td>
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<td>Tuesday, March 8, 2011</td>
<td>Joint meeting with BSA Research &amp; Promotion Night</td>
<td><a href="mailto:snicholas@airinds.com">snicholas@airinds.com</a></td>
<td></td>
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<tr>
<td>April</td>
<td>Cogeneration in MA</td>
<td>TBD</td>
<td>TBD</td>
<td>Jim Armstrong</td>
<td>Doubletree - Waltham</td>
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<td>Tuesday, April 5, 2011</td>
<td>Joint meeting with AEE</td>
<td><a href="mailto:jarmstrong@siemens.com">jarmstrong@siemens.com</a></td>
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<tr>
<td>May</td>
<td>Installation Of Officers</td>
<td>TBD</td>
<td>Pat Duffy</td>
<td>TBD</td>
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<tr>
<td>June</td>
<td>Golf Outing</td>
<td>N/A</td>
<td>N/A</td>
<td>Bill Garvey</td>
<td>Halifax Country Clubs</td>
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<td>Monday, June 6, 2011</td>
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<td><a href="mailto:william.garvey@wspfk.com">william.garvey@wspfk.com</a></td>
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C/o Bryan Hermanny
BR+A Consulting Engineers
311 Arsenal St
Watertown, MA 02472

Name: ____________________________________________________________

Company: _______________________________________________________________________________________________

Address: _________________________________________________________________________________________________

TEL: _____________________________________________________

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Other: ____________

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.

NorthEastAire

ASHRAE - BOSTON CHAPTER  www.ashraeboston.org

Stebbins Duffy, INC  
10 Technology Drive  
Peabody, MA 01960

ADDRESS SERVICE REQUESTED
RSVP Deadline for this meeting is **12:00pm on Thursday, December 9, 2010.**

RSVP Cancellation Deadline for this meeting is **12:00pm on Friday, December 9, 2010.**

Please only RSVP to William Tang at **wkt@brplusa.com.** Upon receiving RSVP, a confirmation email will be sent back to confirm your reservation. If you have not received a confirmation email, you will need to RSVP again. Each member is responsible to RSVP cancellation on or before the deadline. If member RSVP after deadline, he or she will be charged for the meeting fee.

Thank you
William Tang

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**BIM Software for MEP Professionals**

**ASPE Joint Meeting**

**Tuesday, December 14, 2010**

---

**SPEAKER: William Mainor**

**Solutions Specialist, MEP**

William graduated from the University of Rhode Island with a Bachelor’s Degree in Mechanical Engineering and a Bachelor of Arts degree in German. His experience includes providing technical support to pharmaceutical and manufacturing companies, writing contract documents, and managing contractors. Prior to coming to Microdesk, William was a Service Engineer for Eisai USA. His duties included mechanical rebuilds, circuit board repair, electrical rewiring, and training machine operators and mechanics.

At Microdesk, William is responsible for providing implementation and consulting services, technical support, and training in the New York/New Jersey area.

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**THIS MONTH’S MEETING MENU**

**Appetizer**
Minestronne Soup

**Entrée**
Cape Cod Stuffed Chicken Breast

**Dessert**
Blueberry Cobbler

Vegetarian option is available. Please let William Tang know when you RSVP.

**For additional information & directions to the meeting, please visit:** [http://www.ashraeboston.org](http://www.ashraeboston.org)

---

**MEETING MANAGER:**

**Bill Garvey**  
[william.garvey@wspfk.com](mailto:william.garvey@wspfk.com)

**LOCATION:**

Randolph, MA

**TIME:**

5:30 - 6:00 p.m. - Social Half Hour  
6:00 - 7:00 p.m. - Dinner  
7:00 - 8:00 p.m. - Main Program

**COST:**

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