



2008 - 2009 Officers



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MAIN MEETING

Chilled Beam Cooling Systems

Speaker: Ken Loudermilk, Trox USA



This presentation will go over chilled ceilings, the different types of chilled beams and how they work. Also presented will be the use of chilled beams with UFAD systems, in laboratories, and school applications. The presentation will also touch on the economics of chilled beams and comparative energy costs vs. a traditional VAV system. Finally, a new concept termed multi-service chilled beams will be introduced. This type of chilled beam has become very popular for its ability to reduce constructions costs and installation time.

Meet the Speaker

Ken Loudermilk is the Vice President of Technology and Development for Trox USA Inc, a division of TROX Technik, a German manufacturer of air distribution and filtration equipment. Ken earned his B.S. in Mechanical Engineering from the University of Arkansas (1977) and post graduate degrees from the University of Texas (Dallas) and Mercer University (Atlanta, GA). Mr. Loudermilk has been employed in the HVAC industry for over twenty-five years and held positions in engineering and management for TITUS and Price Companies, as well as his current employment at TROX. He has also been an active member of ASHRAE during that time, serving on several technical committees and having authored numerous technical papers.

Additional Meeting This Month - February 25 - See Details on Pg 3!

DATE: Tues., February 10, 2009

MEETING MANAGER: Enrique de los Reyes

MEETING PLACE: Doubletree, Waltham, 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
Members that do not RSVP	\$45.00
Non-Members	\$45.00
Students	Free

DIRECTIONS: Rt. 128S to Winter St. Ext. (27B), head west off the exit. Turn left at the bottom of the hill onto Second Ave. Double-Tree Hotel is the first driveway on the left.

RSVP: Dan Denisi - dcd@brplusa.com - by Fri., Feb. 6.

This Month's Menu

Appetizer:

Tri-Color Tortellini w/
Pesto Cream Sauce

Entrée:

Roast Prime Rib of
Beef w/ Popover

Dessert:

NY Cheesecake w/
Strawberry Coulis

Special dietary needs can
be met; let Dan know
when you RSVP



PRESIDENT'S MESSAGE

By Jeffrey Schultz

During the month of February, the chapter will be offering two meetings. Please see the write ups in other sections of this newsletter for more details. Remember, please support our chapter with your attendance. Don't forget, when you RSVP, we are holding a space for you which the chapter is responsible for. Problems do arise, but if you find yourself in a situation where you can't attend, even up until noon, on the day of the meeting, please be sure to contact Mr. Dan Denisi at BR+A.

The Boston Chapter is one of the largest chapters in the Country and we have many gifted members. Dr. Leon R. Glicksman, Professor of Building Technology and Mechanical Engineering, Massachusetts Institute of Technology, Cambridge, MA is one of our members. He has received a fellowship from ASHRAE, voted on at the past winter meeting in Chicago. Fellow ASHRAE is a membership grade that recognizes distinction in the arts and sciences of environmental technology. The honor is earned through achievement as a researcher, designer, educator or engineering executive. The Society elevated twenty two members to the grade of Fellow ASHRAE this year. These selections were made globally and Dr. Glicksman is one of our own members to be honored. A warm congratulation to Dr. Glicksman from the Officers and Board Members of the Boston Chapter of ASHRAE.

Recently, I was contacted by Pro Expos Group who has organized the Northeast Buildings & Facilities Management Show & Conference. The Conference is being held at the Boston Convention Exhibit Center, Boston, MA on June 10 and 11, 2009. There will be approximately 400 exhibitors in the HVAC and Maintenance fields. They have offered us a booth at no charge. Further information will be sent out a later date, along with complimentary tickets for entrance, lunch as well as discount parking. I hope to see you there!

Jeffrey Schultz, President



Editor's Note

By Teri Shannon

Materials for the March newsletter are due **February 27**.

Employment / want ads may be submitted; they need to be in Word format. A company logo (in .gif or .jpg format) may be included. Please see website for deadlines for each issue.

For more information, please call or e-mail me at 207-985-0873 or tshannon@dac-hvac.com.


Happy
Valentines
Day!

JANUARY MEETING RECAP

By Jeffrey Schultz

This month we had yet another great speaker and presentation, keeping up with our Chapter theme of sustainability. In attendance for the meeting were 73 members, of those members there were five Past Presidents. This meeting was Membership Night and Dan Cooke (Membership Chair) presented Arthur Bergles with an ASHRAE Life Member Certificate from Society. Congratulation Arthur!

Our ASHRAE DL (Distinguished Lecturer) Robert Baker (President of RGB Group) gave his presentation on "Green Maintenance to Keep HVAC Systems Green". Mr. Baker's presentation discussed the need for having a strong maintenance program for buildings, to help maintain overall environmental responsibility and sustainability of the original system design. There were many great examples of successful & unsuccessful maintenance attempts shown in the presentation. Mr. Baker also stressed how building owners can reduce energy costs just by having a proper maintenance schedule. The presentation also reviewed the importance of the new ANSI/ASHRAE/ ACCA Standard 180 that had just been released last September. This meeting was approved for 1.5 PDH points for those attendees that had signed the PIE form.



Left: Arthur Bergles gives his thanks for being presented with a Life Member Certificate.

Below: Robert Baker, speaker, with Jeffrey Schultz, Chapter President.



Additional Morning Technical Session!

NOTE: This meeting is in addition to the February 10th Evening program!!

Transpired Solar Collectors

The program will focus on using Transpired Collectors to preheat ventilation air. Transpired Solar Collectors have been highly recommended by the National Renewable Energy Lab and the U.S. Dept of Energy as “the most reliable, best performing, and lowest cost solar heating for commercial and industrial buildings available on the market today.” Applications, performance, design guidelines, specifications and economics will be discussed. With energy costs high and continuing to rise, and simple pay-backs typically in the 2-4 year timeframe, come hear why more and more projects are using Transpired Solar Collectors to preheat building air using the sun.

Speaker: Pat Will, DAC Sales

Date: WEDNESDAY, February 25, 2009

Time: Breakfast/Registration at 7:30 AM
Meeting: 8-10 AM

Where: National Grid Offices
201 Jones Road, Waltham, MA

Cost: FREE (thank you National Grid)!

RSVP to enrique.de.los.reyes@mail.ashrae.org
[Space is limited to about 45 people, so reserve your place soon.]

PDHs: Meeting is approved for 1.5 PDHs that are valid for New York State under P.I.E.



Membership Promotion

By Dan Cooke

Members Urged To Renew Online

With more than 50,000 dues renewal notices being mailed every year, ASHRAE is encouraging its members to renew their dues online.

“This program, which we began in 2007 is designed to make it easier for members to renew,” said Kevin Marple, chair of the Membership Promotion Committee. “Members are taking advantage of the initiative—in the 2006–’07 Society year, 4,748 members renewed online. In 2007–2008, 12,500 members went paperless by either joining or renewing online.

To renew online, members need to enter and verify a valid e-mail address during the initial log-in process. Those visiting ASHRAE.org for the first time will need to create an ASHRAE Account. This can be done by visiting the Login section of the homepage and then following the instructions. On return visits to the site, members only have to enter their e-mail address and password.

“When you renew your membership online, you’re using less paper, you’re saving time and money as well as saving mail carrier energy,” said Marple. “Of course, we still gladly accept paper dues renewal. Our goal is to make the renewal process as easy and cost effective as possible for our members and the Society.”

For more information about online dues renewal or any other aspect of dues renewal, contact Customer Service at membership@ashrae.org or 404-636-8400.

Source: November 2008 edition of *ASHRAE Insights*

Upcoming Events

Northeast Buildings & Facilities Management Show & Conference

When: June 10 & 11, 2009

Where: Boston Convention & Exhibition Center, Boston

FMI: www.proexp.com

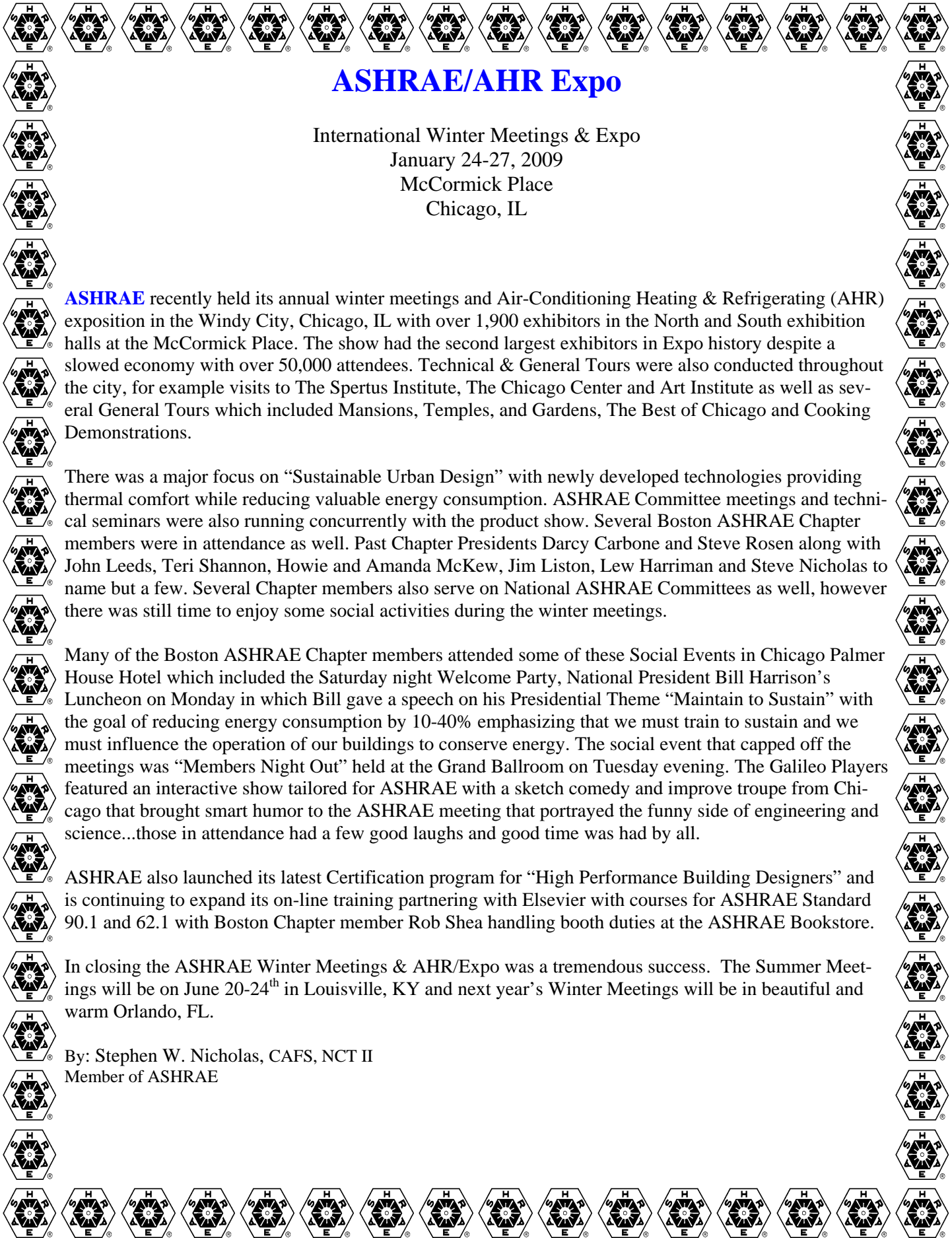
All Boston Chapter members are encouraged to attend any or all of these meetings.

If you have an event that you feel would benefit the members of Boston ASHRAE and wish to have it listed, please e-mail Teri Shannon at tshannon@dac-hvac.com.

ATTENDANCE

The Boston Chapter of ASHRAE -
January 09 Meeting
Had 73 in attendance:

70 ASHRAE Members
3 Non Members



ASHRAE/AHR Expo

International Winter Meetings & Expo
January 24-27, 2009
McCormick Place
Chicago, IL

ASHRAE recently held its annual winter meetings and Air-Conditioning Heating & Refrigerating (AHR) exposition in the Windy City, Chicago, IL with over 1,900 exhibitors in the North and South exhibition halls at the McCormick Place. The show had the second largest exhibitors in Expo history despite a slowed economy with over 50,000 attendees. Technical & General Tours were also conducted throughout the city, for example visits to The Spertus Institute, The Chicago Center and Art Institute as well as several General Tours which included Mansions, Temples, and Gardens, The Best of Chicago and Cooking Demonstrations.

There was a major focus on “Sustainable Urban Design” with newly developed technologies providing thermal comfort while reducing valuable energy consumption. ASHRAE Committee meetings and technical seminars were also running concurrently with the product show. Several Boston ASHRAE Chapter members were in attendance as well. Past Chapter Presidents Darcy Carbone and Steve Rosen along with John Leeds, Teri Shannon, Howie and Amanda McKew, Jim Liston, Lew Harriman and Steve Nicholas to name but a few. Several Chapter members also serve on National ASHRAE Committees as well, however there was still time to enjoy some social activities during the winter meetings.

Many of the Boston ASHRAE Chapter members attended some of these Social Events in Chicago Palmer House Hotel which included the Saturday night Welcome Party, National President Bill Harrison’s Luncheon on Monday in which Bill gave a speech on his Presidential Theme “Maintain to Sustain” with the goal of reducing energy consumption by 10-40% emphasizing that we must train to sustain and we must influence the operation of our buildings to conserve energy. The social event that capped off the meetings was “Members Night Out” held at the Grand Ballroom on Tuesday evening. The Galileo Players featured an interactive show tailored for ASHRAE with a sketch comedy and improv troupe from Chicago that brought smart humor to the ASHRAE meeting that portrayed the funny side of engineering and science...those in attendance had a few good laughs and good time was had by all.

ASHRAE also launched its latest Certification program for “High Performance Building Designers” and is continuing to expand its on-line training partnering with Elsevier with courses for ASHRAE Standard 90.1 and 62.1 with Boston Chapter member Rob Shea handling booth duties at the ASHRAE Bookstore.

In closing the ASHRAE Winter Meetings & AHR/Expo was a tremendous success. The Summer Meetings will be on June 20-24th in Louisville, KY and next year’s Winter Meetings will be in beautiful and warm Orlando, FL.

By: Stephen W. Nicholas, CAFS, NCT II
Member of ASHRAE



CCTC - TEGA Article

By Darcy Carbone

EPA Designates ODS Substitutes

This Determination of Acceptability expands the list of acceptable substitutes for ozone depleting substances under the U.S. Environmental Protection Agency's (EPA) Significant New Alternatives Policy (SNAP) program. The determinations concern new substitutes for use in the refrigeration and air conditioning, fire suppression and explosion protection, and foam blowing sectors.

- R-407A [R-32/125/134a (20.0/40.0/40.0)] is acceptable for use in new and retrofit equipment as a substitute for hydrochlorofluorocarbon (HCFC)-22 and HCFC blends including, but not limited to, R-401A, R-401B, R-402A, and R-402B in: Retail food refrigeration; Cold storage warehouses; Refrigerated transport; Residential and light commercial air conditioning and heat pumps.
- KDD6 is acceptable for use in new and retrofit equipment as a substitute for CFC-12 in: Chillers (screw, reciprocating); Industrial process refrigeration; Industrial process air conditioning; Retail food refrigeration; Cold storage warehouses; Refrigerated transport; Commercial ice machines; Ice skating rinks; Household refrigerators and freezers; Vending machines; Water coolers; Residential dehumidifiers; Residential and light commercial air conditioning and heat pumps; Non-mechanical heat transfer.
- R-427A [R-32/125/143a/134a (15.0/25.0/10.0/50.0)] is acceptable for use in retrofit equipment as a substitute for HCFC-22 in: Retail food refrigeration; Industrial process air conditioning; Reciprocating chillers; Screw chillers; Household refrigerators and freezers; Residential and light commercial air conditioning and heat pumps; Motor vehicle air conditioning (buses and passenger trains only).
- R-424A [R-125/134a/600a/600/601a (50.5/47.0/0.9/1.0/0.6)] is acceptable for use in new and retrofit equipment as a substitute for HCFC-22 in motor vehicle air conditioning (buses and passenger trains only).
- R-434A [R-125/143a/134a/600a (63.2/18.0/16.0/2.8)] is acceptable for use in new and retrofit equipment as a substitute for HCFC-22 in motor vehicle air conditioning (buses and passenger trains only).

For more details, see the Federal Register notice (74 FR 21) at <http://www.gpoaccess.gov/fr>.

Source: ASHRAE's Government Affairs



Research Promotion

By Steve Rosen

We would like our Boston Chapter to donate \$19,280 for ASHRAE Research this year to match our goal. This goal has been set for us based on our membership of 914 dues paying members. If each member would contribute \$21.09, then we have satisfied our obligation!

Make a donation for yourself or from your company. Make a donation to honor someone in your life or in memory of someone who was in your life.

Please fill out the form in this newsletter and mail it to me with whatever contribution you can make or please go to the ASHRAE Boston website at www.ASHRAEBoston.org. Click on the Donation Form under Research & Promotion, or go there directly with this link:

<http://www.ashraeboston.org/researchpromo/donation-form.html>

Credit card payments can also be made when you're on the ASHRAE website. Use this link:

https://www.ashrae.org/aboutus/resource_promotion.asp

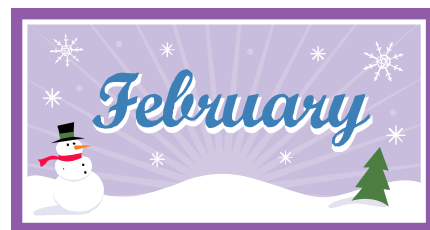
Since its inception, ASHRAE has conducted research to advance the arts and sciences of HVAC&R and allied disciplines for the benefit of the general public. Today, ASHRAE funds over \$2 million in research annually.

Research priorities are guided by ASHRAE's Research Strategic Plan, developed every 5 years by the Research Advisory Panel (RAP) with broad input from the membership. You can comment on The Plan currently being developed looking forward to research priorities for 2010 through 2015.

That plan is being put in place now! Anticipating donations of 2.5 million per year, we are looking at the allocation of 12.5 million over the next five years! Please let me know what YOU want to see for research projects and I will forward your views.

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

Thank You!





Student Activities

By Joshua Benoist

We want to thank all of our Students that attend our meetings. We realize it's a great opportunity for you to get to know our industry, to learn about industry issues and to network. We also realize it is a great opportunity for us to meet you and share our knowledge and passion for the industry. If you were to ask any one of us why we got started in the business, you would receive a diverse range of answers. I suspect that many of us enjoy the thought that we can point to a building and say to our children or peers, I helped design and build that. Some would say with pride, our designs help our buildings be more energy efficient. We have a direct responsibility and role in minimizing the energy and global warming crisis.

So speaking of responsibility, don't forget we have a responsibility to mentor, to pass on our knowledge, and just as important, to generate passion. We cannot succeed if there is no interest in our industry. How many of us, thinking back when we were younger, said we want to grow up to be an HVAC engineer? Probably not many, but someone or something pulled us into the industry and inspired us to stay here. Who else is going to do that for the next generation but you, and ASHRAE.

If you are still reading this, then maybe we have caught your interest. There are many in which you can contribute, none of which takes much effort or time. The simplest way is to attend our regular ASHRAE chapter meetings. When you do, don't choose to sit in the usual spot. Look around for a young engineer or student and sit next to them. Engage them in conversation. Don't assume that someone else will take up that role or that you are somehow not the right person for the job. If you are at our meeting, you likely have valuable experience to share, so make a difference.

We have one new item of business. We have student(s) that have contacted us looking for help finding summer interns or co-op positions.

If you want more information or wish to volunteer, please feel free to contact us at Joshua.Benoist@Autodesk.com.

Please spread the word!



ATTENTION SKIERS!

SUNDAY RIVER & SUGARLOAF DISCOUNT SKI VOUCHERS

The Boston Chapter is participating in the Sunday River/ Sugarloaf corporate voucher program. You will be entitled to purchase up to four discounted lift tickets [\$63 Adults, \$44 Junior/Senior] at either ski resort by presenting an ASHRAE membership card, picture ID, and voucher. There is no cost for the vouchers.

Contact Jeff Schultz (jhs@brplusa.com) or Ed Waldman (ewaldman@verizon.net) if you would like any vouchers. They will also be available at the January meeting. 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.

For information on schedules, conditions, etc., please visit the following websites:

Sunday River - www.sundayriver.com

Sugarloaf - www.sugarloaf.com



PDH CREDIT REMINDER

- Attendees wishing to receive PDH credits must present a business card at the meetings
- Members may receive PDH credits at no additional cost
- Non-members may receive PDH credits for a \$15 fee



Historian's Column

By Jim Liston



The Father of Frozen Food – Part III

Birds Eye Frosted Foods products went on sale for the first time in March 1930 in Springfield, Mass. The company introduced frozen peas, spinach, raspberries, cherries, loganberries, fish and various meats, but the packages, kept in ice-cream cabinets, were hidden from view and sold at high prices. Since many retailers couldn't afford to buy freezers during the Depression, Birdseye introduced an inexpensive freezer display case and leased it to them. The ability to distribute and sell frozen foods at the retail level marked the beginning of the frozen food industry. In 1944, Birdseye leased the first insulated railroad cars and nationwide frozen food distribution became possible. In effect, Birdseye created a market for frozen foods. Refrigerator freezer cubic space in home refrigerators grew as the relevance of frozen foods grew over the next decades.

During this same period, Birdseye started the Birdseye Electric Company to create a single unit bulb and reflector for use in display lighting. He also designed more efficient lighting filaments and heat lamps for use in keeping food warm. In 1939, Birdseye sold the Birdseye Electric Company and it later became a part of the Sylvania Company, which was headquartered in Danvers, MA.

At first, many in the foodservice industry labeled frozen foods "a passing fad," and one New York restaurant chain went so far as to attach a card to its menu stating: "No frozen food deception here. Your doctor will tell you frozen foods can't give you all the fresh food vitamins." But the American Medical Association included frozen fruits and vegetables on its list of accepted foods, and the restaurant chain was forced to retract the false statement and apologize. Although the restaurant industry eventually accepted the convenience of frozen food, its usage was generally denied or kept secret at the outset.

For Birdseye, once his company was firmly established, he moved on to experiment with other inventions. "I do not consider myself a remarkable person," Birdseye said. "I am just a guy with a very large bump of curiosity and a gambling instinct." Throughout the 1940s and 1950s he continued working on his frozen-food concept in his home laboratory and worked with the United States Housing Administration as well. He experimented with mineral-water bottling and perfected and sold a successful spotlight for store-window displays and a harpoon for marking whales. In 1949 he perfected anhydrous freezing, a process that cut normal freezing time from 18 hours to 90 minutes. In addition to his inventions, Birdseye also served as president of the United States Fisheries Association.

The last years of Birdseye's life were devoted to the development of better methods of paper manufacture. He worked for two years on a plantation in Peru. There he developed a method of converting sugar cane waste into paper pulp, shortening to 12 minutes a process that had previously taken nine hours. This is considered his last major contribution to technology.

The freezing process invented by Birdseye is still in widespread use. It preserves not only the flavor and texture of the foods, but also their nutritional value. Clarence Birdseye indirectly improved the health of almost everyone in the industrialized world by providing fresh food in a convenient way. Over his lifetime he was granted 300 foreign and US patents. Before his death from a heart attack in Springfield, Massachusetts, on October 8, 1956, at the age of 70, Birdseye realized that his discovery on the cold tundra of the Arctic had grown into a highly successful business.

Information for this article was obtained from the following sources: The Encyclopedia of World Biography on Clarence Birdseye; Nation's Restaurant News, Feb. 1996, "Birdseye - Inventor of Quick Frozen Foods", by Elissa Elan; and the Birds Eye Foods, Inc. Corporate website.



SOCIETY NEWS

ASHRAE 2008 BACnet Published

ATLANTA – Guidance to reduce a building’s energy consumption on demand is contained in ASHRAE’s newly published BACnet standard.

ANSI/ASHRAE Standard 135-2008, BACnet® -- *A Data Communication Protocol for Building Automation and Control Networks*, allows building equipment and systems manufactured by different companies to work together. It is the only open, consensus-developed standard in the building controls industry. The new standard contains seven addenda approved since the 2004 standard was published.

“The 2008 version of the standard incorporates many years of work by the BACnet committee,” said immediate past chair Bill Swan. “This includes material first published a couple of months ago. It replaces the 2004 version as the standard for BACnet technical and specification efforts.”

The standard contains new guidance related to the Load Control object, an extension to reduce a building’s energy consumption on demand - a key element of the integration of energy utilities and buildings to reduce or eliminate brown-outs and blackouts from energy grid overload.

It also covers:

- the Access Door object, the first of the extensions to fully support physical access control
- improvements in requirements on BACnet devices
- new capabilities such as BACnet Web Services which, among other things, are being considered for energy utility-building communications
- a standardized and interoperable means to record alarms

The cost of ANSI/ASHRAE Standard 135-2008, BACnet® -- *A Data Communication Protocol for Building Automation and Control Networks*, is \$119 (\$99 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, or visit at www.ashrae.org/bookstore.

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.

ASHRAE’s 2009 Satellite Broadcast Focuses on IAQ for Sustainable Buildings

ATLANTA – What’s lean and green and clean all over? Your next sustainable building project and its indoor air quality, thanks to ASHRAE’s upcoming satellite broadcast. The program, “**Clean, Lean, and Green – IAQ for Sustainable Buildings**,” will take place April 22 from 1 to 4 p.m. EDT.

The free broadcast, sponsored by ASHRAE’s Chapter Technology Transfer Committee with support from the U.S. Environmental Protection Agency, will challenge the building community to use good IAQ practices to create a more sustainable built environment. The program will highlight guidance from the publication *IAQ Guide: Best Practices for Design, Construction, and Commissioning*, developed collaboratively by ASHRAE, AIA, BOMA, EPA, SMACNA and USGBC.

Participants who complete the participant reaction form online at www.ashrae.org/iaqbroadcast the week following the broadcast may be awarded three PDH credits.

The broadcast presenters and their topics are:
Martha Hewett, Director of Research, Center for Energy & Environment, Minneapolis, MN
Practical, Proven Strategies to Deliver Better IAQ

Hoy Bohanon, P.E., Owner and Manager of Bohanon Engineering, PLLC, Winston-Salem, NC
Improving Your IAQ and Reducing Your Energy Costs through HVAC Design

H.E. Barney Burroughs, Owner and CEO of Building Wellness Consultancy, Inc, Atlanta, GA
Keeping Buildings Clean: Avoiding and Building Control of Contaminants to Attain and Maintain IAQ Acceptability

George DuBose, Certified General Contractor, Liberty Building Forensics Group, Orlando, FL
Avoiding Costly IAQ Problems in the Building Envelope

John McFarland, P.E., Director of Engineered Systems, WorkingBuildings, LLC, Atlanta, GA,
Integrating Good IAQ into the Design & Construction Process

For more information about the broadcast, please call (678) 539-1206, visit www.ashrae.org/iaqbroadcast or e-mail ashrae-satellitebroadcast@ashrae.org. Online registration for satellite site coordinators and Webcast viewers will begin March 2, and viewer registration will begin March 16. There is no fee for registration.





What's New in our Chapter

By Pat Duffy

Meeting Minutes of the Board of Governor's January 13, 2009 Meeting

Below is a quick summary of what was discussed:

This Year's Meetings

Anyone interested in seeing what the remainder of the 2008-2009 season has in store, please check out the Events Calendar on the Chapter Website for additional information. All Board of Governor's meetings are going to remain at 4:30pm the day of the meeting.

Chapter Website

The Chapter's website is updated monthly to help keep chapter members up to date on chapter news and events. If your company would like to place an ad on the website, it can for the ad price of \$300.

Breakfast Meetings

The Chapter is looking into holding a couple more breakfast meetings in addition to the regular monthly meetings. More information on the seminars will be sent out in coming months.

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.

See you at the next meeting!



Webmaster's Note

By Steve Rosen

The Boston Chapter for ASHRAE has launched its redesigned website at www.ASHRAEBoston.org. We will be keeping the site current with information; you can also view our award winning newsletter, the NorthEastAire! Look for new features and photos every month!

This year we will continue to post past meeting presentations for our members to review, our Chapter is continuing our efforts to reduce waste by eliminating or greatly reducing printed handouts at our meetings.

Please email the [Webmaster](#) directly from the site with any site improvement ideas or news or events to be published to the web.

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

Presidential Award of Excellence

Boston Chapter - 2008 - 2009

Chapter Members	Membership Promotion Points	Student Activities Points	Research Promotion Points	History Points	Chapter Organization Points	Chapter Technology Transfer Points	Chapter PAOE Point Totals
914	160	1280	520	335	630	860	3,785

Boston ASHRAE 2008 - 2009 Meeting Schedule

Date	Main Program	Speaker	PDH Credits	Meeting Manager	Location
September Tuesday, September 9, 2008	Geothermal Heat Pumps	Carl Orio, Water Energy Distributors	1.5 PDH's Approved	Enrique de los Reyes er@energysystemsdesign.com	Doubletree - Waltham
October Tuesday, October 14, 2008	Maximizing IAQ While Saving Energy Student Meeting / Membership Night	David Bearg, P.E., Life Energy Associates	1.5 PDH's Approved	Jeff Schultz jhs@brplusa.com	Doubletree - Waltham
Additional Morning Mtg! Wednesday, October 29	Sustainable Design for Kitchen Ventilation	Olaf Zwickau, Air Solu- tions & Balancing	1.5 PDH's Approved	Enrique de los Reyes er@energysystemsdesign.com	National Grid - Waltham
November Tuesday, November 11, 2008	Underfloor Air Distribution Systems History Night / Research & Promotion Night	Steve Tafone, P.E., William A. Berry & Son	1.5 PDH's Approved	Steve Tafone stafone@berry.com	Doubletree - Waltham
December Tuesday, December 9, 2008	CSI Specification Changes ASPE Joint Meeting	Robb Wilkinson	Pending	Darcy Carbone dcarbone@stebbinsduffy.com	Lantanas - Randolph
January Tuesday, January 13, 2009	Green Maintenance Needed to Keep HVAC Systems Green Membership Night	Robert G. Baker Distinguished Lecturer	1.5 PDH's Approved	Steve Nicholas snicholas@airinds.com	Doubletree - Waltham
February Tuesday, February 10, 2009	Radiant Cooling / Chilled Beams Green Roundtable Joint Meeting	Ken Loudermilk, Trox	1.5 PDH's Approved	Enrique de los Reyes er@energysystemsdesign.com	Doubletree - Waltham
Additional Morning Mtg! Wednesday, February 25	Transpired Solar Collectors	Pat Will, DAC Sales	1.5 PDH's Approved	Teri Shannon tshannon@dac-hvac.com	National Grid - Waltham
March Tuesday, March 10, 2009	ASHRAE & Building Information Modeling Research & Promotion Night	Gordon Holness, P.E., President-Elect ASHRAE Distinguished Lecturer	Pending	Steve Rosen steven.rosen@autodesk.com	Doubletree - Waltham
April Wednesday, April 1, 2009	Emerging Technologies AEE Joint Meeting / Past President's Night	TBD	N/A	Fran Boucher francis.boucher@us.ngrid.com	Doubletree - Waltham
May Tuesday, May 12, 2009	Installation of Officers	N/A	N/A	Bryan Hermann bmh@brplusa.com	TBD
June Monday, June 1, 2009	Golf Outing	N/A	N/A	Bill Garvey william.garvey@wspfk.com	Poquoy & Halifax Country Clubs

2008 - 2009

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