



Philadelphia Chapter

Volume 44, No. 3
November 2008

Quaker City CLIMATE

JOURNAL OF THE PHILADELPHIA CHAPTER OF THE AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR CONDITIONING ENGINEERS, INC.

Thursday,
November 13, 2008

*"Philadelphia Building Codes:
Review and Discussion"*

by

Ralph DiPietro

Supervisor, Center City Inspection District
Dept. of Licenses and Inspections
and

George M. Altmeier, PE

Supervisor, Building Services Unit
Dept. of Licenses and Inspections

5:00 pm to 6:00 pm

Social Hour
cash bar

6:00 pm to 8:00 pm

Dinner and Presentation

Donor Recognition Night & Research Promotion Night

LOCATION

Dave & Buster's
325 North Columbus Blvd.
Philadelphia, PA 19106

Parking is available on the street level
parking garage directly below the
restaurant.

RESERVATION NOTICE

Reservations must be made
no later than 12:00 Noon
on Monday, November 10, 2008.

COST

Philadelphia Chapter Members with
online reservation and prepayment
\$30

ASHRAE Members who have not paid
Philadelphia Chapter dues with online
reservation and prepayment
\$35

Non-Members with
online reservation and prepayment
\$40

Young Engineers with online
reservation and prepayment
\$20

Students with online reservation
and prepayment
\$10

Phone reservations
to 610-971-2169
without online registration
\$45

Walk up fees
(based on availability)
\$45

FOR RESERVATIONS

**All attendees should register online
through Cvent.**

**Watch your email for further details
and an invitation soon!**

YEA After Hour

If you're 35 years or under,
stick around after the next
ASHRAE meeting on
November 13th for the YEA After Hour. Since the
meeting is at Dave and Buster's, it's a great place
to meet other contacts and similar-minded
individuals. There will be future YEA social events,
but this is an opportunity to interact with other YEA
members without having to go anywhere!!



From Our President

Welcome members to this issue of the *Climate*. As I am typing this, the Phillies have won the World Series and are going to parade down Broad Street. Yeah Phillies!

We look forward to our next dinner meeting which will take place on November 13 at Dave and Buster's. The speaker will be Ralph DiPietro of Philadelphia Licenses and Inspections office. He will discuss Philadelphia's permit review process and recent changes to the code. Afterwards will be the first meeting of our chapter for Young Engineers in ASHRAE, hosted by Ashley Kenyon. We hope you can make it.

You can also look forward to our December breakfast meeting where the topic will be "Condenser Water Heat Recovery" by ASHRAE Distinguished Lecturer Julian R. deBulter.

Since Green design and construction has been a very topical subject, I wanted to highlight an upcoming program from Society. I want to share with you an email I received from Terry Townsend, past president of ASHRAE who spoke at our January dinner meeting, where he talks about the new High Performance Buildings Certification Program. I think he states it best so I will quote his message:

I expect the HPB Certification Program to become a factor in achieving the objective that ASHRAE can convince building owners that it is to their benefit to use engineers who have been certified to achieve current and future energy goals in construction and operation.

The HPB certification program is intended to become a second and third tier training sequence for those who are LEED-AP - the USGBC was a partner in developing this program and will continue to assist in upgrading the training and exam processes.

Also, the upcoming Advanced Energy Guide for Existing Building will initially focus on business owners and decision makers - BOMA, USGBC, GSA and IESNA are collaborating in this effort.

Finally, the Building Performance Metrics Steering Committee that I chair has four Project Committees that will be providing special publications, engineering tools, web-based energy benchmarks and a database for high-performance buildings that integrate the Performance Metrics Protocols that will eventually become a Guideline for the global HVAC&R industry.

Finally, a Building Energy Labeling initiative was approved by the ASHRAE Board of Directors in Salt Lake City that will be developed in collaboration with EPA and DOE and will contain both asset ratings and building performance ratings (somewhat similar to the EU directives). ASHRAE will be developing a certification program for the participation in this national building rating effort.

The combined effect of these programs, initiatives and efforts will be beneficial in educating owners that engineers are not "necessary evils and problem makers" but rather are "solutions providers and 'bottom line' improvers" for businesses.

Terry

ASHRAE has begun the testing and certification for professionals. I would suggest you look into it and please do not hesitate to contact me if you have any questions.

Jeff Gilbeaux

Jeff Gilbeaux, PE
jeff@gilbeauxassociates.com
856-988-1890

PHILADELPHIA CHAPTER ASHRAE 2008 - 2009 PROGRAMS

For reservations and updates, check www.ashrae-phila.org.

Date	Location	Dinner Topic	Theme	Joint Meeting
Thurs Nov 13	Dave & Buster's	Philadelphia Building Codes	Donor Recognition & Research Promotion	
Thurs Dec 18	<i>Breakfast</i> Union League	Condenser Water Heat Recovery	Refrigeration	
Thurs Jan 8	Maggiano's	Green Buildings	Sustainability	DVGBC
Thurs Feb 12	Dave & Buster's	Reasoned Responses to Natural, Accidental and International Threats	Student Night	SMCA
Thurs Mar 12	Fisher's Tudor House	Air and Gas Filtration	Tabletop Vendor Show / Membership	
Thurs Apr 9	Urban Outfitters	ASHRAE Scholarships & YEA	Tour	
Thurs May 14	Dave & Buster's	ASHRAE IAQ Guide	Past Presidents & History	
Monday June 1	Northampton Valley CC	Golf Outing		
Thurs June 11	Temple University	2009-2010 Planning Meeting		

We need your attendance!

If we are below our guaranteed level for attendees at our meetings, our treasury could be negatively effected.

Our programs are designed around the membership's input and we all need to support these meetings to maintain a strong/informed association.

We hope to see you at our next meeting.
Please come out and support our Chapter!

Corporate Sponsors Take Note

Those with corporate sponsor tickets must still make reservations for our meetings through Cvent (see link on first page). Please note that those with sponsor tickets who do not make reservations are not guaranteed entrance until all reserved seating is filled. Those reservations with sponsor tickets must have them at the time of the dinner. If you don't have them, you will have to pay the walk up rate for dinner. We cannot make arrangement for delivery of sponsor tickets at a date after the event.

Future City Competition

Happy October from Future City Philadelphia!

Thirty-five schools are now working on their computer models. Here is the current list of schools that need mentors:

- Delaware Valley Friends School, Paoli, PA
- Feltonville School of Arts and Science, Philadelphia (Feltonville)
- GA Stetson Middle School, West Chester, PA
- Holy Child Catholic School, Philadelphia (Roxborough)
- JT Lambert Intermediate School, East Stroudsburg, PA
- Lehman Intermediate School, Dingmans Ferry, PA
- Mariana Bracetti Academy, Philadelphia (Kensington)
- New Hope – Solebury Middle School, New Hope, PA
- Raub Middle School, Allentown, PA

We need mentors! I'm sure we can all remember times in school or in our careers where having someone to nudge us in the right direction would have made a huge difference. These student teams need a mentor to provide that kind of nudge – please consider volunteering some time to help them out. Please let me know if you are interested in working with any of the schools above, I will get you in touch with the team's teacher. If you'd like to be a mentor but don't see a school in your area, send me an e-mail and I'll keep you posted as schools register.

Spotlight on – GA Stetson. Stetson has been involved in the competition for a few years but has had bad luck with

mentors that have either had to drop out or were unable to spend quality time with the team. Could you be the mentor that could move them from a good team to a great one?

Please visit our website at www.futurecityphilly.org and click on Volunteer Opportunities, then On-line Volunteer Sign Up. There you can register to be a mentor, judge, or general volunteer. You can also see the complete list of registered schools. Anyone that has been involved in the competition before knows how it simply cannot be run without dedicated volunteers - so sign up now and start the year off right!

If you have any questions, please contact me via e-mail or phone. Please feel free to forward this e-mail to your friends, co-workers, and technical society members.

Thanks,
Jennifer
Philadelphia Regional Volunteer Coordinator

Jennifer Wetzel
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2008-2009
Philadelphia Area Directory
of Associations, Consulting Firms
and Manufacturers' Representatives

On Sale Now -
Just \$23.00 each!

Send your check to:
Philadelphia Chapter ASHRAE
993 Old Eagle School Road
Suite 1019
Wayne, PA 19087-1866

Request for Volunteers

Volunteers are needed for the following committees. Contact our Volunteer Coordinator, Jeff Gilbeaux, at jeff@gilbeauxassociates.com, if you are interested.

Secretary
Treasurer
Membership Promotion
Student Activities
Research Promotion
Chapter Technology Transfer
Refrigeration Chair
Historian
Attendance
Public Relations
Young Engineers in ASHRAE

ASHRAE Research – Researching Today to Change Tomorrow

I realize that some may see this as the chapter asking for money again, but I feel it is important to pass on this information to illustrate how ASHRAE responsibly uses the funds collected each year.

When you donate to ASHRAE Research, your money goes a long way. 100% of the donation goes to research projects. Society raises funds from other sources to cover the administrative expenses. Additionally, all funds raised are matched dollar-for-dollar from proceeds of the winter AHR Exposition. \$50=\$100, \$250=\$500, \$1,000=\$2,000...

So what are we doing at the chapter level to support this effort? For starters, the chapter officers and Me (the RP Chair) all donate at the honor roll level (\$100 or more). We also hold 50/50 raffles at the monthly meetings. Half of the money raised goes to research and the other half goes to the holder of the winning ticket. At the September Meeting the pot was \$710 and the winner contributed his half back to Research. Also, we will be organizing a calling campaign this year. The research promotion committee takes to the phones to find chapter members willing to support the cause. For the 07-08 Research Promotion campaign our chapter raised a total of \$20,895, this year our goal has been set at \$30,000, we have collected \$3,530 to date so there is a long way to go. Please be generous when asked by a committee member to contribute to this worthy cause.

So what do we get back from ASHRAE Research? Lots! Most notable are updated and newly developed standards, updates to the handbooks and the papers and reports published in ASHRAE Transactions. What most people do not know about is the money that comes back into our chapter/state/region to complete research projects. In 2007, approximately \$30,000 was awarded to projects in our chapter area, approx. \$519,000 to projects in PA, and approx. \$720,000 to projects in Region III. As you can see, the amount of money coming back to our local economies is much greater than what we put into ASHRAE Research.

Finally, donations to ASHRAE Research are tax deductible. Depending on how the federal government solves the mortgage/financial crisis, everyone maybe seeing higher taxes. You can control where some of that money goes by giving to ASHRAE Research.

Corporate Sponsors for 2008-2009 (to date)

- ❖ Arora Engineers, Inc.
- ❖ Associated Engineering Consultants, Inc.
- ❖ Bush Sales Associates, Inc.
- ❖ Chase & Associates
- ❖ Clapp Associates, Inc.
- ❖ CM 3 Building Solutions, Inc.
- ❖ Coward Environmental Systems, Inc.
- ❖ Delval Equipment Corporation
- ❖ Diversified Product Sales, Inc.
- ❖ E.F. Siegfried Co., Inc.
- ❖ Elite Air Systems, Inc.
- ❖ IPS - Integrated Project Services, Inc.
- ❖ John F. Scanlan, Inc.
- ❖ L & R Associates, Inc.
- ❖ M.P. Hershman, PE, Inc.
- ❖ Merion Pump & Equipment Co.
- ❖ Peirce-Phelps, Inc.
- ❖ Phillips McDade
- ❖ R.D. Bitzer Co., Inc.
- ❖ Sass, Moore & Associates, Inc.
- ❖ Schiller & Hersh Associates
- ❖ Siemens Building Technologies, Inc.
- ❖ The Tri-M Group, LLC

Individual-RP Contributions (to date)

- ❖ Mr. Barry A Boose
- ❖ Mr. Gary C Debes
- ❖ Mr. Jeffrey J Gilbeaux
- ❖ Mr. William G Gove
- ❖ Mr. George (Bill) W Hart
- ❖ Mr. David H Hersh
- ❖ Mr. John E Kampmeyer
- ❖ Mr. Richard S Keast
- ❖ Mr. Justin Knapp
- ❖ Mr. Paul L Leonard
- ❖ Mr. Rodney W McKenna
- ❖ Mr. John G Pardekooper
- ❖ Mr Robert J Rybka
- ❖ Mr Robert L Seeler
- ❖ Ms Christine Stearns
- ❖ Mr Matthew J. Trinsey
- ❖ Mr Herman R Vinokur
- ❖ Mr. Michael Witkowski

Corporate-RP Contributions (to date)

- ❖ ASHRAE Philadelphia Chapter
- ❖ N E Fisher & Associates
- ❖ Genesis Engineers
- ❖ Robert M. Hilberts Incorporated
- ❖ Metropolitan Acoustics
- ❖ Fred Nicholas, Inc.
- ❖ Wick Fisher White

Chapter Technology Award Competition 2009

The purpose of the Technology Awards Program is to recognize members for innovative designs, communicate that technology to other members, and highlight achievements to other professionals.

The Chapter Technology Transfer Committee is asking for applications for the 2009 Chapter Level competition to be submitted by March 6, 2009. Awards for the Chapter Level competition will be given out during the May 14, 2009 Chapter Meeting for the following categories:

- Commercial Buildings, New and Existing
- Institutional Buildings, New and Existing
- Health Care Facilities, New and Existing
- Industrial Facilities or Processes, New and Existing
- Public Assembly Facilities, New and Existing
- Residential Buildings, New and Existing (Single Family and Multi-Family)
- Alternative or Renewable Energy Use

Entries will be judged on energy efficiency, indoor air quality and thermal comfort, innovation, operation and maintenance, cost effectiveness, environmental impact and quality of presentation.

The process for the ASHRAE Technology Awards starts right here at the Chapter level. Winners of the Chapter Competition will be sent to the Regional CTTC Chair for judging in the Regional Technology Award Competition. Regional winners will then be asked to submit a long form application for the Society Technology Award Competition. Society level awards will be given out at the Winter Meeting scheduled to be held January 23-27, 2010 in Orlando, Florida. Winners of the Society Competition will also be featured in the ASHRAE Journal.

For more information on the Technology Award Program, including application forms please visit the CTTC section of the chapter website <http://www.ashrae-phila.org/storage/cttc.htm>

James Piscopo, PE
CTTC Chair
jpiscopo@aeceng.net

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**International Air-Conditioning, Heating,
Refrigerating Exposition**
(AHR Expo)
January 26 - 28, 2009
Chicago, IL

AFFILIATE MEMBERSHIP GRADE

For an Annual Dues of \$40, Applicants under Age 30 can Join ASHRAE at this introductory membership level. Membership tenure in this grade is limited to three (3) years.

Affiliate Members Benefits Affiliate Members receive monthly issues of the ASHRAE Journal and Insights Newsletter. The annual handbook is not a benefit of this grade.

Qualifications

An Affiliate Member shall have the same qualifications as an Associate Member. They are:

1. Experience in technical matters or in design, operation, or maintenance in heating, refrigerating, air conditioning, or ventilating fields.
2. An interest in the advancement of the Society's aims.
3. Possess sufficient qualifications to cooperate with heating, refrigerating, air conditioning, or ventilating engineers in the advancement of relating to heating, refrigerating, air conditioning, or ventilating engineering and its application.

Limitations

- You do not receive ASHRAE Handbook with membership. You do not receive *ASHRAE Insights*. You get a one-time discount (20% off) on all Handbook items.
- You can serve on Chapter committees, but cannot hold office or vote at Chapter, Regional or Society level.

Contact For Receiving Application

Go to www.ashrae.org and click on "Join" in the upper right corner. This will take you to a page describing each membership grade, its benefits and qualifications, and a link to membership application forms.

MEMBERSHIP ADVANCEMENT!

Any Associate Member meeting the following requirement can apply for Advancement to the more entitling Member grade. By ASHRAE society definition:

A member shall have the equivalent of twelve society-approved years of experience composed of an approved combination of: (a) completed education beyond high school, (b) work experience, and (c) professional engineering or related registration or license issued by a legally authorized body.

All technical and scientific education shall be based on curricula approved by the Board of Directors.

Approved engineering curricula shall be equivalent to the accredited by the Accreditation Board of Engineering and Technology in the United States of America or the Canadian Engineering Accreditation Board. Scientific education in fields other than engineering shall be from a college or university course of study that has been accredited by an organization charged with monitoring standards of performance. *Society approved years of experience shall be credited as follows:*

One and one-half years of credit for each year of completed education for graduates of approved technical curricula. One year of credit for each year of education for non-graduates who have completed a least two years of approved technical curricula. One year of credit for each year of completed education for graduates of colleges or universities which do not have accreditations. Those holding associated degrees from technical institutions shall also be credited for one year for each year of education.

One year for each year of qualifying work experiences in the performance of duties in work related to ASHRAE fields of interest and shall have included research, teaching, design, contracting, engineering sales or engineering management.

Three years of credit for professional registration of license issued by a legally authorized body in engineering or related fields, the requirements of which as to education, examination, and active practice are satisfactory to the Board of Directors.

More information is available on the ASHRAE website (www.ASHRAE.org) under menu items Membership Resources...Manage Your Membership, the above definition is extracted from such application information in PDF file format. The application can also be filled interactively online. ASHRAE sends members who upgrade a \$20 gift certificate usable at the ASHRAE bookstore or towards ASHRAE membership renewal.

Member Services

Members who would like stay on top of the **latest news from ASHRAE** may join the News Release List Serve at <http://www.ashrae.org/template/AboutLinkLanding/category/1584>.

If you or your company are hiring, please take a moment to **review the resumé of chapter members** and students which have been posted on the chapter website at www.ashrae-phila.org/resumes.html. We will also **post your job opening** for one month. Send it to hope@mmcol.com.

Any member who wishes to **have their resumé posted on our website**, or who would like to update it, can email it in a pdf format to hope@mmcol.com. It will be posted for one month and may be renewed after that time.

Welcome New Chapter Members!

New Members for the Month of October

Daniel Dietrich
Michael Zazula
Jaclyn Nicole Calvert
Jules Zacher
Keith McCarrin
Geoffrey N Irvine
Sandria L Gray
David T Moore
Bryan Keith Murphey

New Student Member
Calvin Gott Douglass

**Check
www.ashrae-phila.org
for further information
on the
Philadelphia Chapter!**

Inside This Issue

	Page
Meeting Announcement	1
President's Message	2
Chapter Event Schedule	3
Chapter Volunteers Needed	4
Future City Competition	4
ASHRAE Research Promotion	5
Corporate Sponsor Bio	6
Chapter Technology Award Competition	6
Membership Grade Announcements	7

**This is your newsletter.
We welcome your input and comments.**

The *Quaker City Climate*
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The Chapter does not speak or act for the Society.
Any member with material to submit for inclusion
in the *Climate* can send the information to:

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Material can include letters to the editor,
member news, upcoming events,
comments on chapter programs or issues, etc.