



Volume 40, No. 8
April 2005

Quaker City CLIMATE

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

PHILADELPHIA CHAPTER

Pre-Dinner

Manufacturers Representatives
Table Top Show

After Dinner

Round Table Discussion
"Project Hurdles"

featuring

Joseph Smaul, PE
Engineer

Todd Koch, PE
Construction Management

Mike Palionis
Installing contractor

Jay Halsey
Manufacturers Rep

Shawn R. Farrell, Esp.
Attorney

Ken Strup, CxA
Moderator

Thursday, April 14, 2005

Past Presidents Night

5:00 to 6:30pm
Table Top Show with
Cocktails and Hors D'oeuvres

6:30pm to 8:00pm
Dinner and
Round Table Discussion

STRENGTHEN OUR MEMBERSHIP!

Ask for a Membership Application at
our Events' Reception Table

Pass it along to a Friend
or Colleague!

LOCATION

Cescaphe Ballroom
923 North 2nd Street
Philadelphia, PA 19123

Located a few blocks north
of Spring Garden Street

Free Valet Parking Available

FOR RESERVATIONS

Call (610) 971-2169
Or Email

hope@multiservicemgmt.com

RESERVATION NOTICE

Reservations must be made by
no later than 12:00 Noon
2 days prior to the meeting date.

COSTS

Local Chapter Members Reservation
\$30

Late Registrations & Walk-ups
\$45

Non-local Dues Paying Members
\$35

Members 30 years & under
Discount \$10

Student Members
\$10

Reservations not cancelled by 12:00 noon
2 days prior to the meeting date will be
billed the full amount.

The Chapter will no longer
bear the cost of "no-show" meals.

President's Message

The technology that we have at hand today is amazing. Just a few days ago I "attended" a seminar on new computer software from a major HVAC vendor in the comfort of my **office**. All information was streamed to my computer. And afterwards I could attend a "question and answer" session in a chat room style.

ASHRAE has several great satellite broadcasts coming up. Check them out on the web at www.ashrae.org.

Steve Ridenour, PE
215-204-8825
steven.ridenour@temple.edu

Mold in the Building Environment Satellite Broadcast/Webcast, April 13, 2005, 1-4 p.m. EDT

Information on how to properly control moisture and humidity conditions in order to minimize mold will be presented in an April 13, 2005, satellite broadcast and webcast, *Mold in Our Building Environment*, offered by ASHRAE. The program is sponsored by ASHRAE's Chapter Technology Transfer Committee (CTTC).

To learn more, go to www.ashrae.org and click on the icon on the right side of the home page.

Homeland Security for Buildings: ASHRAE Satellite Broadcast DVD

On May 20, 2004, ASHRAE presented a live satellite broadcast on Homeland Security for Buildings to an audience of over 20,000 people throughout the US.

This 2-hour program addresses questions of design, construction and operation of buildings. It covers key issues related to building protection from CBR incidents and draws heavily from ASHRAE's most credible and timely reports and publications. A copy of the broadcast is now available to purchase on DVD through the ASHRAE Bookstore. Read more about it at

www.ashrae.org,

and click on "Bookstore" on the left side of the home page.

Table Top Show Exhibitors

Associated Steam Specialty Company
Clapp Associates, Inc.
Comitale National, Inc.
Del-Ren Associates, Inc.
Diversified Thermal Equipment, Inc.
DVL Incorporated
E.F. Siegfried Co., Inc.
Environmental Systems Group, Inc.
General Aire Systems, Inc.
Heat Transfer Technology, Inc.
HVAC Products
Kriebel Engineered Equipment, Ltd.
MDG Equipment Company
Mutimer Company
Phillips McDade
R.D. Bitzer Company, Inc.
Riley Sales, Inc.
Robert M. Hilberts, Inc.
Tri State HVAC Equipment
York International Corporation

Nominating Committee Presents Nominees

On behalf of the Philadelphia Chapter Nominating Committee, Mark Hershman, Chairman, is pleased to present the nominees for the Board of Governors for the Philadelphia Chapter of ASHRAE for the Chapter Year 2005-2006.

Board Position	Nominee
President	Kenneth Strup
President-Elect	Stephen Piccolo
Vice President	John Pardekiooper, PE
Treasurer	Andrew O'Pella, PE
Senior Governor	Steven Ridenour, PE
Governor	Bob Carpenter
Governor	Jeffrey Gilbeaux, PE
Governor	Brett Jenner
Governor	Bill Hart

Nominating Committee Members also included Dave Hersh, Steve Solotist, and Jay Halsey.

Play Ball! ASHRAE to Visit Phillies

On Sunday, May 1, the Philadelphia Chapter will be heading to the Phillies game! We have 100 tickets available in sections 414 and 415 for the game at 1:35pm against the Florida Marlins. These seats are on the Terrace Deck along the first base line.

The tickets cost \$20 each for Philadelphia Chapter members and \$25 each for non-members. Tickets are available on a first-come, first-served basis. Tickets will not be mailed until we have received payment. **Hurry - tickets went quickly last year!**

Reservations may be made by emailing Hope Silverman at hope@multiservicemgmt.com with your name, company, address, phone number, and number of tickets requested, including how many for members and how many for non-members.

We would appreciate it if those requesting multiple tickets (such as large groups from the same office) could coordinate their reservation and payment with one contact person.

Payment may be made to: Philadelphia Chapter ASHRAE, 994 Old Eagle School Road, Suite 1019, Wayne, PA 19087-1866.

Check the Calendar at
www.gpbpa.org
for further information
on events for DVGBC, ASPE, SMCA,
and other organizations!

It's Not Too Late to Advertise!

Advertisements for the 2005-2006
Directory of Manufacturers' Representatives in
the Philadelphia Area
will be accepted until
April 15, 2005.
Call Hope Silverman at 610-971-2169
if you are interested.

Business Education Program for Engineers

Consider this: U.S. News & World Report pointed out that 20% of the 2003 Fortune 500 CEOs majored in engineering, as opposed to 17% who majored in business ("America's Best Graduate Schools," 2005). And Business Week reported an interesting statistic – in recent years, more CEOs of the top 1,000 publicly-held companies majored in engineering than any other discipline, including marketing, finance and law.

With this percentage of top leadership holding degrees in engineering, what does this say about the mindset of an engineer? Clearly, the problem solving and analytical skills an engineer brings to the table are the same skills demanded of an effective leader. So, knowing that, are today's engineers being trained for "business" success, or are our universities falling back on the tried and true method of an engineering education; that is, training students within a limited engineering skill set? And if so, where does that leave today's engineering graduates? Are they simply technical whizzes with little business savvy, or can our colleges and universities turn out a more rounded student, equipped to meet the challenges of a global economy and collaborative work environment head on?

In an effort to tackle these challenges, Villanova University has taken a hard look at its graduate engineering curriculum and for once, the problem-solving profession is taking a stab at problem solving its own profession. Launched this fall, the Master's in Technology Management (MTM) program is uniquely tailored for those who want to bridge the gap between engineering technology and management strategies to advance to leadership positions and at the same time gain the competitive edge needed to succeed. Graduates of this ground-breaking program will truly be ready to manage the business and engineering challenges of information technology in the modern knowledge age.

The 47-credit curriculum for Villanova's MTM program includes six graduate level business courses, six specialty engineering or computing science business courses, two electives and participation in the two credit Leadership Challenge. Held over two consecutive weekends, the Leadership Challenge helps students identify the skills they will need to excel in the MTM program as well as lay the groundwork for developing effective communication and negotiation skills.

Programs like the MTM program at Villanova University are leading the way in developing today's engineers into tomorrow's leaders.

Please help the ASHRAE Research 2004-2005 Fund Drive by filling out this Donor Form and sending it to national headquarters in Atlanta this week. Have you asked your company if they have a matching gift program? Remember every dollar you donate to this worthy cause is doubled by ASHRAE Society! If you have any questions, please contact Jay Halsey, Research Program Chairman, at JayHalsey@HCNyeCo.com.

ASHRAE RESEARCH - Donor Form Philadelphia Chapter 21 - Region 3

1) Type of Contribution;

☐ Individual

☐ Corporate

☐ Memorial To: _____

Please attach the details for the acknowledgement to, relationship to, and addresses.

2) Level of Contribution;

☐ Golden Circle (\$10,000 and greater)

☐ Research Partner (\$5,000-\$9,999)

☐ Research Associate (\$2,500-\$4,999)

☐ Research Major Donor (\$250-\$2,499)

☐ Research Honor Roll Donor - Individual (\$100-\$249)

☐ Research Honor Roll Donor – Corporate (\$150-\$249)

☐ Research General Donor (Less than \$100 Individual/\$150 Corp.)

3) Method of Payment;

A) Attach Check (Payable to “ASHRAE Research”)

Please note on check “Phila- Chapter 21”

B) Credit Card

☐ O-Visa

☐ O-Master Card

☐ O-AMEX

Date: _____ Signature: _____

Card #: _____ Exp. Date: _____

Note: All contributions are fully deductible under section 170 of the IRS code.

4) Donor Information:

Name: _____

Member # (If ASHRAE member): _____

Corporation Name (If Corp. Donation): _____

Address: _____

Phone : Home: _____ Business: _____

E-Mail: _____

5) Send this completed form to: ASHRAE RESEARCH, 1791 Tullie Circle, NE, Atlanta, GA 30329

PHILADELPHIA CHAPTER ASHRAE 2004 - 2005 PROGRAMS

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

Date	Location	Pre-Dinner Topic	Dinner Topic	Theme
April 14 Thursday	Cescaphe	Table Top Show	Panel Discussion	Past Presidents Night
May 1	Citizen's Bank Ballpark	Phillies Outing		Joint Meeting with GPBPA
June	Temple University	Planning Meeting		2005-2006

Tell a Friend about www.gpbpa.org!

Please inform your associates at work and your technical associates outside of work about the new www.gpbpa.org web site. It is free and was developed for all technical people in the Philadelphia area so that we can better communicate and share seminars and training programs via this web site. A left click on the calendar will give the reader the events/seminars/training programs for the month. You can even check events in future months by clicking on the arrow above the calendar.

Don't forget to sign up for an automatic monthly distribution once on the home page.

ASHRAE Volunteers are Needed

Can you spare a few minutes a month to help on one of the following committees for the Philadelphia Chapter?

Membership Promotion Committee
Program Committee
Research Promotion Committee
Refrigeration Committee
Technical, Energy & Government Activities Committee
Student Activities Committee

Please send an email to our Volunteer Chairman, Jay Halsey, at JayHalsey001@aol.com to identify your interests to participate.

!! NEW !! 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 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.](#)



Delaware Valley Green Building Council and
AIA Philadelphia's Committee on the Environment
present

Applying LEED-NC in Practice

(formerly LEED™ Advanced Training Workshop)

Tuesday, April 26, 2005

8:30 a.m. to 5:00 p.m.

McCall Meeting and Conference Center

<http://www.meetatmccall.com/>

Upper Darby, PA 19082

This workshop provides *authoritative content, in-depth instruction, and hands-on exercises* to prepare design and construction professionals for pursuing LEED Project Certification and/or LEED Professional Accreditation. Participants will build on their knowledge of the LEED-NC Rating System criteria and use LEED tools and resources in individual and team exercises. Workshop topics include LEED in the context of integrated design, sustainable design resources, discussion of difficult-to-achieve credits, and LEED documentation. Completion of the LEED-NC: Technical Review or thorough knowledge of the LEED Rating System and general green building practices is strongly recommended.

What's included in the registration fee:

- The "Applying LEED-NC in Practice" training workbook with speaker notes
- Online access to the LEED-NC Version 2.0 and 2.1 Reference Guides
- Discounted price for the [LEED-NC Version 2.1 Reference Package](#) (available at the time of registration or at the workshop)
- Exclusive one-year access to the LEED credit interpretation rulings via the Internet
- Continental breakfast, lunch and break refreshments

Registration: <http://www.usgbc.org/b2c/b2c/init.do>

Information: Lorna Rosenberg, rosenberg@dvgbc.org, 267-238-3894

Cost: Early Registration: USGBC Member \$375, Non-Member \$475
Late Registration: USGBC Member \$405, Non-Member \$525
Late Registration rates take effect April 19th.

Professional Credits: This program is worth 7 AIA/CES (HSW) LUs.

The DVGBC thanks its sponsors: [Ewing Cole](#), [INVISTA](#), [Liberty Property Trust](#), [Trane](#), [Brickman Group](#), [Centocor](#), [Corporate Lamp Recycling](#), [L.F. Driscoll](#), [Forbo](#), [Hankin Group](#), [Haworth](#), [Interface](#), [Mannington](#), [Powell, Trachtman, Logan, Carlle & Lombardo](#), [Norwood](#), [7group](#), and [Urban Engineers](#)

ASHRAE members are also invited to join the DVGBC for another upcoming event:

Green Material — Cost & Benefits: (Apr. 14), Panel discussion on green materials.

See <http://www.dvgbc.org/> for more details.

The South Jersey Mechanical Contractors Association

Cordially Invites You To Attend

The April 20, 2005

Dinner Meeting

Scotland Run Golf Club

Williamstown, NJ

856-863-3737

SPEAKER:

**THOMAS MUDGE-QUALITY MANAGER-NUCLEAR PROJECTS
WASHINGTON GROUP INTERNATIONAL INC.**

TOPIC:

“WHY DO INDIVIDUALS MAKE SEEMINGLY OBVIOUS MISTAKES?”

In 1995, the Institute of Nuclear Power (INPO) convened a Special Review Committee to investigate the issues and factors affecting human performance. This presentation will discuss the results of that investigation, including: (1) the factors that cause/contribute to human error and, (2) the Human Performance tools that counteract the conditions causing/contributing to human error.

The Human Performance tools to be discussed are generic in nature and may be applied to professional activities in any industry, as well as one's personal life.

Wednesday April 20, 2005

Reservations accepted via email, fax and/or phone:

EMAIL (SJMCA1@AOL.COM)

FAX (856-988-5534)

Phone: (856-988-5494)

**SJMCA
Yes will attend**

**April 20, 2005
No can not attend**

Company Name: _____

Attendees: _____



Trade Show & Job Fair

Participating Vendors

*Door Prizes
Hot and Cold Buffet
Hot Hors d'Oeuvres
Beer, Wine, and
Soda*

*Relaxed Networking
Event*

*Pursue New Career
Opportunities*

*Energy and
Technology
Updates*

*Equipment and
Vendor Displays*

- | | |
|---|---|
| ■ Encelium Technologies Inc. | ■ Commercial Utility Consultants |
| ■ Eaton Electrical/Cutler-Hammer Products | ■ Thomas Willcox Co. |
| ■ Industrial Representative Inc. | ■ SEA Consulting |
| ■ Siemens Building Technologies | ■ Honeywell |
| ■ Ransome/Cat | ■ Universal Motors Distributor, Inc. |
| ■ Phoenix Mechanical Inc. | ■ TRF Sustainable Development Fund |
| ■ Delval Equipment Corp. | ■ T L Johnson Associates |
| ■ Osram Sylvania | ■ PECO |
| ■ Tozour-Trane | ■ Drexel University |
| ■ USA Technologies | ■ General Electric Lighting (GE) |
| ■ Kimball Resources | ■ Philips Lighting |
| ■ Fluidics | ■ Electrotechnology Applications Center
at Northampton Community College |
| ■ York International Corp. | ■ Delaware Valley Green Building Council |
| ■ Steamgard, LLC | ■ U.S. Department of Energy |
| ■ Trigen - Philadelphia Energy Corp. | ■ Professional Recruiting Consultants, Inc. |
| ■ BE&K Engineering | ■ Tech Reps |
| ■ TriState HVAC Equipment | ■ National Insulation Association/Irwin Services |
| ■ Associated Steam | |

Special Sessions from
4:30 p.m. to 7:30 p.m.
Resume Development
Job Market Update
Employment Specialists
Available
Energy Utilities Updates

**Sponsored by the Greater Philadelphia Chapter
Association of Energy Engineers
April 21, 2005 - 3:30 p.m. to 8:00 p.m.
Thomas Jefferson University Jefferson Alumni Hall
1020 Locust Street
Philadelphia, Pennsylvania**

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.

Any member who wishes to have their resumé posted on our website, or who would like to update it, can email our webmaster, Seth Weiss, at sweiss@comcast.net. The file must be in pdf format and will be posted for 3 months.

For Video Resume And Job Opportunities, visit online portal: www.LookFirst.net

Looking for work, see job posted at STEP, Inc.
S.T.E.P., Inc.
100 Highpoint Drive
Suite 104
Chalfont, PA 18914
P: 1.215.996.1255
F: 1.215.996.1266
www.step-inc.com

Send an updated resume to admin@step-inc.com in Microsoft Word format to be considered for any of these opportunities or to be kept posted as you are. Feel free to contact us with any questions.

Keep in mind that this is a totally FREE SERVICE to any of our applicant clients. There is nothing to sign, nothing to agree to.

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

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610.971.2169
fax 610.971.4859
ashrae-phila.org

Republication of material contained herein
is expressly forbidden without official Chapter authorization.
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:



Reynold Pratt
23 A Riverhill
New Hope, PA 18938
or email: rpratt@comcast.net
or call: 215-862-5304
or fax: 215-862-5304

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

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