



# The PENNANT

Newsletter of the  
ASHRAE® Central Pennsylvania Chapter  
<http://www.cenpenn.ashraechapters.org/>

## 2008-09 Officers & Chairs

### President

Mark Tome, PE  
[mat@ba-inc.com](mailto:mat@ba-inc.com)

### President-Elect

D. Todd Postlethwait, PE  
[toddp@trianglerrefrigeration.com](mailto:toddp@trianglerrefrigeration.com)

### Vice President

Nick Romeo  
[n\\_romeo@jdbe.com](mailto:n_romeo@jdbe.com)

### Treasurer

Mark Graybill  
[mgraybill@accu-aire.com](mailto:mgraybill@accu-aire.com)

### Board of Governors

Bob Miller, Past President  
[robert.miller@mail.ashrae.org](mailto:robert.miller@mail.ashrae.org)  
Rachel Voigtland  
[rachel.voigtland@carrier.utc.com](mailto:rachel.voigtland@carrier.utc.com)  
Rebecca Thompson, PE  
[rthompson@leachwallace.com](mailto:rthompson@leachwallace.com)  
Brent Adams  
[badams@fswelsford.com](mailto:badams@fswelsford.com)  
Nate Potteiger  
[npotteiger@hvacdists.com](mailto:npotteiger@hvacdists.com)

### CTTC (Programs)

D. Todd Postlethwait, PE

### Education Committee

Thomas Long  
[thomas.long@mail.ashrae.org](mailto:thomas.long@mail.ashrae.org)

### Research Promotion

Bob Miller, Past President  
[robert.miller@mail.ashrae.org](mailto:robert.miller@mail.ashrae.org)

### Refrigeration Committee

Mark Tome, PE

### Publicity and Webmaster

Mark Graybill

### Student Activities

Rachel Voigtland

### Newsletter Editor

Brent Adams  
[badams@fswelsford.com](mailto:badams@fswelsford.com)

### Historian

Andrew Odell  
[aodell@hvacdists.com](mailto:aodell@hvacdists.com)

## President's Message...



October '08

ASHRAE Research – Researching Today to Change Tomorrow.

As promised at the September meeting, I have chosen to write about ASHRAE Research Promotion this month. 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 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. Last month the pot was approximately \$170. The event that most members are aware of is the summer golf outing. Traditionally held the last Friday in July, an afternoon golf tournament is followed by raffles, prizes, dinner and the kick-off of the new ASHRAE year. Also, we have been organizing a calling campaign the past several years. 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 \$13,208

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, 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 crisis, everyone maybe seeing higher taxes. You can control where some of that money goes by giving to ASHRAE Research.

See you soon,

Mark Tome, PE

## Inside this Issue

October Meeting Information  
2008/2009 Schedule

Bulletin Board

**Wednesday October 8th 2008**  
**Appalachian Brewing Company, Harrisburg PA**  
**50 N. Cameron St., Harrisburg, PA**  
**(see map for directions)**

**5:00 – 6:00 Social Hour – MEMBERSHIP PROMOTION!!!**

**6:15 – 7:00 Dinner**

**7:00 – 8:00 Solar Thermal Technology**

**Program**

Steve Elkin, CEO of Apricus USA, will present an introduction to Solar Thermal technology and applications.

Solar Energy can be classified into two categories, Thermal and Light. Photo-Voltaic systems convert light energy into a usable resource, while Evacuated Tube systems convert thermal energy. Steve will discuss the advantages and disadvantages of each.

Solar thermal systems are widely used in both residential and commercial applications to provide hot water, space heating, industrial hot water and even air-conditioning. Apricus advocates that solar energy is the cleanest and most inexhaustible of all known energy sources.

The Evacuated Tube Solar Collector or Solar Water Heater is a device that absorbs thermal energy from the sun and converts it into usable heat. The heat is normally absorbed by water, or a freeze resistant water mix, which can then be used to supplement hot water heating, space heating and even space cooling via use of an absorption chiller or desiccant cooler technology.

Steve will also discuss how to size systems, how to calculate potential savings, and some of the tax benefits available.

**Reservations:** [toddp@TriangleRefrigeration.com](mailto:toddp@TriangleRefrigeration.com) or (717) 656-5720 ask for Todd Postlethwait  
**Chapter** Members: **\$30.00** Non members: **\$40.00** Retired: **\$ 5.00** Students: **Free**

**Note to all Chapter Officers and Committee Chairs:** [Chapter Officers, Board Members and Committee Chairs have standing reservations.](#) If you do not RSVP by the deadline, you will be billed for the fun time you missed.

**This month's meeting is our Membership Promotion Night so bring along a co-worker (don't give them an option!). HVAC Distributors will be providing a Virtual Keg.**

# ASHRAE of Central Pennsylvania

# Schedule of Events 2008/2009

EVENT	TOPIC/DESCRIPTION	DATE
<b>Past Presidents Night</b>		
Location: Wyndham Garden 765 Eisenhower Blvd Harrisburg		September 10, 2008 717-558-9500
Program	<b>Chilled Beams for Retrofits</b>	Mike Kaler Applied Air
Tech Session	<b>Active Chilled Beams</b>	William Rafferty Dadanco
<b>Society President Visit</b>		
Location: PSU, University Park <b>Details to Follow</b>		September 16, 2008
Program	<b>Energy, Food &amp; Environment – ASHRAE's Global Challenges</b>	Bill Harrison
<b>Membership Promotion Night</b> - bring a friend!		
Location: Appalachian Brewery Company, Harrisburg		October 8, 2008
Program	<b>Solar Thermal Technology</b>	Steve Elkin Apricus
<b>Research Promotion Night</b>		
Location: Appalachian Brewery Company Harrisburg		November 12, 2008
Program	<b>Engineering and Insurance</b>	TBD
Tech Session	<b>Legal Issues</b>	David Flores, Harmon and Davies
<b>Professional Development Seminar</b> More information to follow		
		November 2008
<b>History Night</b>		
Location: TBD		December 10, 2008
Program	<b>Integrative Design</b>	TBD
Tech Session	<b>USGBC Appendix G</b>	TBD
<b>Regular Meeting</b>		
Location: TBD		January 14, 2009
Program	<b>ASHRAE Standard 90.1 - 2007</b>	TBD
Tech Session	<b>ASHRAE Standard 189.1 For High Performance Buildings</b>	TBD
<b>Professional Development Seminar</b> More information to follow		
		January 2009
<b>YEA Night</b>		
Location: TBD		February 11, 2009
Program	<b>Renewable Energy</b>	TBD
Tech Session	<b>Geothermal/Wind/Solar Technology</b>	TBD
<b>Regular Meeting</b>		
Location: TBD		March 11, 2009
Program	<b>TBD</b>	Gettysburg National Battle Field Museum
Tech Session	<b>Gettysburg National Battle Field Museum Tour</b>	Gettysburg National Battle Field Museum
<b>Student Activities Night &amp; Awards Night</b>		
Location: Appalachian Brewery Company Harrisburg		April 8, 2009
Program	<b>Student Presentations Awards</b>	Rachel Voigtland Carrier
<b>Family, Donor Recognition, &amp; Volunteer Night</b>		
<b>TBD</b> Location: TBD		May 2009

# Bulletin Board

**Please welcome the following new members.**

New Members August 2008

1) Mr. Peter T. Shovlin, Associate  
[pshovlin@bh-ba.com](mailto:pshovlin@bh-ba.com)

Pete grew up in Hanover, PA. He is somewhat new to the industry having graduated in '08 from York College of PA (BSME).

2) Mr. Theodore Harry Elicker, Member  
[telicker@cmccassociates.com](mailto:telicker@cmccassociates.com)

Ted is a York native. A '69 Penn State grad, he has spent time in plants overseeing refrigerated facilities, food process systems and facilities. In his spare time he enjoys flying, swimming and engineering a geothermal system for his home!

**LOOKING FOR NEWS  
ON MEMBERS...YOUR  
NEWS....THEIR  
NEWS...ANY NEWS!**

## **A Farewell to a Fellow Member – A Personal Memoir**

**Kenneth Wicks, Fellow ASHRAE, Life Member, has passed away on September 2, 2008.**

**Ken was engineering manager, Coward Environmental Systems Inc.**

**He served as Region III Director and Region Chair on the Board of Directors in 1979-82. During that time, he established a regional newsletter, *Regionaire*, in which he urged chapters in the region to accept the Presidential Award of Excellence point system. He also served as a Director-at-Large in 1985-87.**

**Other service includes Publishing Council, Education Council, Member Council, the Nominating Committee and the Long-Range Planning Committee.**

**He was a section editor for the ASHRAE Guide and Data Book and contributed to a revision of the *Pocket Guide*. He held all leadership positions in the Philadelphia Chapter where he was President in 1966-1967, he also presented a series of lectures on operating chapters more effectively.**

**He was elevated to the grade of Fellow in 1985 and received the Andrew T. Boggs Service Award in 1998, the ASHRAE-ALCO Medal for Distinguished Public Service in 1992, the Distinguished Service Award in 1973, and the Distinguished 50-Year Member Award in 2003.**

**He will be missed by many including the writer.**

**Gary C. Debes**

*Awards, Promotions, New Employees, New Members,  
Weddings/Births/Deaths/Anniversaries, etc. (posted free of charge)*

**Put it in the Pennant** – Send your announcements to  
Brent Adams – [badams@fswelsford.com](mailto:badams@fswelsford.com)

*We also publish employment opportunities.  
The cost is \$25/half page per issue.*

# ASHRAE research plays an important role in...

## Your Health

- Preventing more than 70,000 surgical site infections that occur each year
- Decreasing the spread of airborne diseases
- Improving cancer treatment methods

## Your Office

- It's getting hot in here—conserving energy in hot and humid climates
- Selecting boilers for efficient heat use
- Allowing drifting temperatures to save energy

## Your Home and School

- Exploring whether classroom upgrades to improve temperature control and air quality improve the performance of schoolwork of children
- Searching for a greater understanding of the relationship between occupant health and ventilation rates, including offices and schools
- Lessening the risk of spoiled food by evaluating how food preservation is influenced by storage conditions

for more information go to [www.ashrae.org/researchpromotion](http://www.ashrae.org/researchpromotion)

ASHRAE's Winter Conference will be held in Chicago, IL January 24-28, 2009 in conjunction with the AHR Expo.



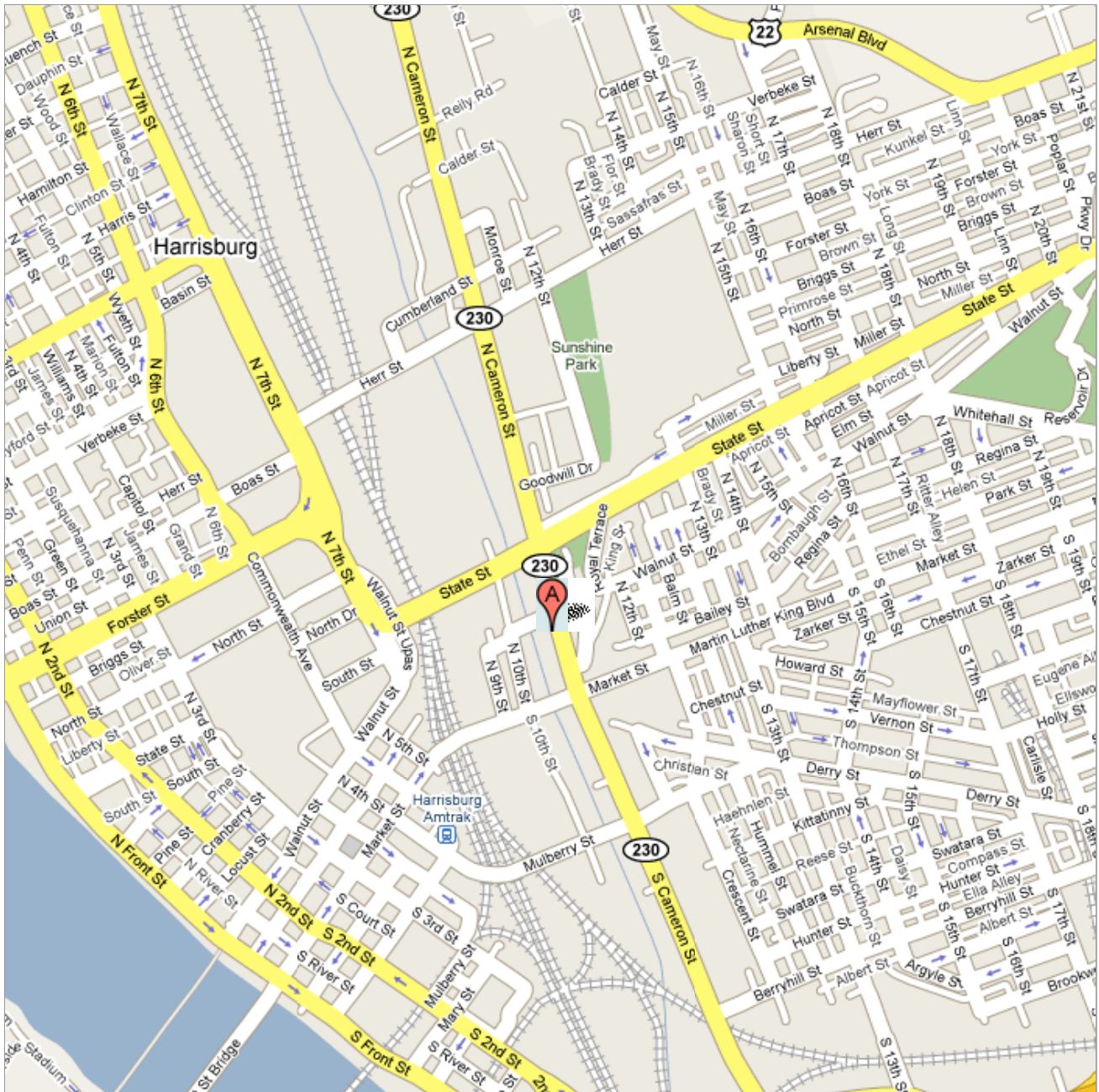




Address **50 N Cameron St**  
**Harrisburg, PA 17101**

Get Google Maps on your phone

Text the word "GMAPS" to 466453





CONTRACTORS AND ENGINEERS

a PPL company 

## **Mechanical Engineer**

McClure Company, a PPL Energy Services Company and the region's largest mechanical contractor, is seeking a mechanical engineer to support growth in the energy & engineered services business.

### **Position Description:**

The daily activities of the position will include any combination of the following:

- Conduct field surveys to assess existing conditions, customer needs and begin problem analysis.
- Perform design calculations using sound engineering practices and experience.
- Prepare equipment or material specifications for purchasing.
- Interpret submittals, architectural, structural, piping/plumbing and mechanical drawings.
- Design and layout of HVAC, Plumbing/Piping systems on commercial, institutional, pharmaceutical and healthcare projects using AutoCAD Software.
- Work with internal resources to estimate project cost.
- Communicate directly with field construction personnel, customers and equipment vendors.
- Coordinate project execution with construction management, field personnel and subcontractors.

### **Applicant Requirements and Skills:**

- Experience in commercial HVAC and plumbing design using AutoCAD version 2005 (Building Systems or MEP experience a plus).
- Excellent communication skills, both written and verbal.
- Excellent organizational skills.
- Familiarity with the A-E design process as well as a general knowledge of the construction process.
- Ability to manage multiple priorities.
- Excellent computer skills including Microsoft Word, Excel and MS Project.
- Bachelor's degree in engineering or related technical degree.
- Minimum of 2 - 4 years experience required (PE License a plus).

McClure Company provides a full benefit package, including medical, prescription, vision and dental for all employees and their dependents at no cost, as well as a 401k/profit sharing plan.

### **Please forward resume and cover letter to:**

Human Resources Coordinator, McClure Company

PO Box 1579

Harrisburg, PA 17105-1579

Or e-mail to: [MichelleSullivan@McClureCo.com](mailto:MichelleSullivan@McClureCo.com)

Company website: [www.McClureCo.com](http://www.McClureCo.com), **No phone calls please.**