



[American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.](http://www.ashrae.org)

## ASHRAE

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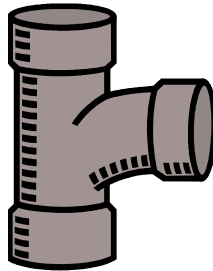
<http://www.daytonashrae.org>

**Lunch, Anyone?**

**Get the Heat Out:**

**Alternative Piping Materials to Copper and Steel**

*Bill Hollyday, Partner, Weber-Huff, Inc.*



**Tech Session: Psych Part 2**

*Greg Cohron, Ramsay-Cohron*

**10:30 Tech Session**

**11:30 Lunch**

**11:45 Chapter Business**

**12:00 Featured Speaker**

**Paid members: Free**

**Student ASHRAE Members: \$10 at the door**

**Guests: \$20 at the door**

**December 8, 2008**

**Engineer's Club of Dayton**

**110 East Monument Avenue**

**RSVP:** For reservations contact **Jeremy Fauber** at Heapy Engineering, [jpfauber@heapy.com](mailto:jpfauber@heapy.com) or 224-0861 no later than noon Thursday, Dec. 4th.

### Topic: Alternative Piping Materials to Copper or Steel

With the ever increasing costs of metals in today's economy there are two very viable alternatives that are less expensive, easier to install and longer lasting.

Cross linked polyethylene or PEX is now available up to 2" for closed loop heating systems and for potable water. Pex is a tremendously durable material that has been used worldwide since the 1970's. Its inherent flexibility allows for fewer fittings and greatly reduces labor cost. PEX has a useful lifespan of 100 years according to Underwriters Laboratory. Until this year it has only been available in sizes up to 1". With diameters up to 2", PEX is now a viable option for a complete piping system on small to mid size jobs and is useful on larger jobs for run-out piping off of mains.

Aquatherm is another new alternative from Germany. This is a plastic piping system that can handle high temperatures and is available in sizes up to 10". This piping system has been installed in hundreds of commercial buildings throughout Europe and is now available in the US. It has all the necessary ASTM and ANSI standards for heating as well as NSF ratings for plumbing systems. Aquatherm uses a fusion joining method that insures a long lasting leak proof joint

**Speaker:** Bill Hollyday, a partner at Weber-Huff, Inc. is in charge of developing and servicing the wholesale HVAC markets in Ohio and Kentucky

## A Note from the President

As we think about all we have to be thankful for, our families and friends, health and wealth, etc., take a minute to be thankful for the opportunity to participate in a strong, vibrant organization like Dayton ASHRAE. We had another great turnout for our wonderful November speaker. Generous individuals donated approximately \$145 to research, with another \$53 going in from split the pot. How about you? Did you take the time to *GIVE a LITTLE* to ASHRAE Research? **IT'S NOT TOO LATE TO MAKE A 2008 TAX YEAR CONTRIBUTION!** Thanks to our Regional Vice President for his attendance and kind words about our chapter.



Other ASHRAE things I am thankful for:

Members who willingly give their time on the Board of Governors to make the chapter work for all of us.  
Students who paid attention in class and made the Chapter look good.

A wonderful place steeped in Dayton Engineering History to have our meetings.

Members willing to offer up their expertise to present tech sessions and general sessions.

A Society that provides references and research "on the cutting edge" of our industry.

So when you sat down to dinner on Thursday, I hope you, remembered to be thankful for all this industry has given us. (And don't forget our troops who may have eaten turkey but are far from their loved ones).

Sincerely,

Lorraine A. Kapka, P.E.

## Give a Little, Get a Lot! Chapter Board of Governors Meetings

Ever ask yourself "what were they thinking when they scheduled that? Want to make a difference in how the Dayton ASHRAE Chapter operates? Come share your thoughts with the Board of Governors (sounds impressive, but is really just a bunch of HVAC people sitting around a table trying to guess what YOU would like to have happen at meetings.) Meetings are held the third Thursday of each month at 8 AM at Heapy Engineering. We spend time talking about future meetings, ways to improve the chapter, other ways to inject fun into the coming year, etc. Want to have a say in how things are done? We welcome you to join us—the next meeting is **Thursday, December 18, 2008 at 8 AM**. Donuts from Bill's (and coffee) are always there! [Remaining Chapter Board of Governors meetings are Dec. 18, Jan. 15, Feb, 19, Mar. 19, Apr. 16, May 21, Jun. 18.](#)

## Coming Events 2008/2009



**October 13, 2008** – Dinner - "Net Zero" Energy Buildings, Membership Promotion night.

**October 27, 2008** - **RESCHEDULED!** Young Engineers in ASHRAE lunch (35 and younger)

**November 10, 2008** – Dinner - Dedicated Outdoor Air Systems (ASHRAE Distinguished Lecturer) Student night and research promotion night. Tech session: "Standard 62 — What Now?"

**December 8, 2008** – Lunch - Heating Systems. **Tech session before meeting: Psychrometrics, Part II**

**December 12, 2008** – Research Promotion Breakfast (by invitation)

**December 18, 2008—Board of Governors, 8AM at Heapy Engineering**

**January 17, 2009** – Holiday Bowling Party at Woodman Lanes in Kettering

**February 9, 2009** – Lunch - Variable Volume Refrigerant Systems

**March 9, 2009** – Dinner - 3-D Integrated Design

**April 13, 2009** – Bus tour to Copeland plant with Dinner

**April 22, 2009** - ASHRAE Webcast - Indoor Air Quality at Sinclair Community College

**May, 2009** – Golf Outing TBD

**May 30, 2009**- ASHRAE at the Dayton Dragons

**June 2009** - Green Expo at Heapy Engineering

**July 31 – August 1, 2009** - Chapters Regional Conference in Akron, Ohio. Chapter officers and committee chairs required to attend - all other members are welcome!

## Student ASHRAE News



The Sinclair Faculty was very proud of the students who answered our Speaker's questions in November—congratulations to Jason "Grains" Gillespie and Andy "Latent Heat" Rath. Thanks for making us look good!

## Coming This Month:

**Monday, December 8th**

**Lunch Meeting with tech session**

**Friday, December 12th**

**Research Promotion Breakfast  
(by invitation)**

**Thursday, December 18th**

**Board of Governors Meeting  
8 AM at Heapy Engineering**

## **ASHRAE Returns to Chicago for Winter Conference and AHR EXPO**

Chicago, with one of the most recognizable skylines in the United States, has long-standing status as a livable urban center. That the city has stood the test of time makes it the perfect backdrop for this year's ASHRAE Winter Conference theme: *Sustainable Urban Design: Engineering Tomorrow... Today.*

The Palmer House Hilton will once again host ASHRAE January 24 – 28, with the ASHRAE co-sponsored AHR Expo taking place Jan. 26-28 at McCormick Place. The conference promises to be a great way to kick off the new year, with opportunities to interact with colleagues, learn technical information, and hear Keynote Speaker Chris Luebke of Arup speak on sustainability and thoughtful design and Technical Plenary speaker Adrian Bejan, Ph.D., explain technical evolution through “constructal theory” which he says can predict how everything flows through time and space. The technical program highlights the conference theme and will feature presentations on energy conservation, indoor environmental quality, sustainability efforts and more that will help you earn your PDHs. Seeking to create additional value for Expo and Conference attendees, ASHRAE is launching “Wednesday Welcome,” at which all ASHRAE technical program sessions on Jan. 28 take place at McCormick Place. The “Wednesday Welcome” includes 18 hands-on, applications-type programs, held from 9 a.m. to 1:30 p.m., leaving the afternoon open to tour the Expo with more than 1,850 exhibits covering a world of equipment, systems, components and technology for the building industry. Admission to the “Wednesday Welcome” is included with your full ASHRAE Winter Conference registration or you can purchase a ticket for the full day for \$99.

You can also earn PDHs and CEUs at Professional Development Seminars and Short Courses brought to you by the ASHRAE Learning Institute. Networking opportunities and chances to see Chicago are plentiful at the ASHRAE Winter Conference. Meet with old friends at the Welcome Party, Presidents Luncheon and Member's Night Out. Technical tours of the city take you to the Intercontinental Hotel and The Art Institute of Chicago and you can see mansions and temples of the city, or take a cooking class on one of the general tours.

**For complete, updated information and to register for the ASHRAE Winter Conference, go online to [www.ashrae.org/chicago](http://www.ashrae.org/chicago).**

**Visit [www.ahrexpo.com](http://www.ahrexpo.com) to learn more about the AHR EXPO.**



## **Research Promotion News**

We started a new promotion last month called “I Gave”. Members not in the habit of giving to ASHRAE Research are encouraged to give a little at each meeting; the total will be compiled for the year. Last year, only 13% of all local members made individual contributions to research; we would like to see that number increase dramatically! At the November meeting, we collected \$145 from a number of small donations. Won't you be next?

## **Dayton Chapter History**

Ever wonder where all of the wonderful history information comes from? Tom Ferdelman prepares it based on input from past presidents.

Without your help, this section will be blank. So, if you see your name on the list below, get your history information in to Tom, or this blank space will remain . . . Blank!:



### **Histories needed from:**

Dennis Helmig	1989/90
Rick Huff	1990/91
Phil Van Styn	1991/92
David Schmenk	1992/93
Chris Hampel	1993/94
Mark Neiheisel	1994/95
John Mosgo	1995/96
Dennis Lewis	1996/97
David Deger	1997/98
Jim Hocker	1998/99
David Patterson	1999/00
Joe Ferdelman	2000/01
Jeff Evans	2000/02
Russ Marks	2002/03
Bart Gruernwald	2003/04
Bruce Knapp	2004/05
Mike Kirchens	2005/06
Tom Ferdelman	2006/07

# Dayton ASHRAE Research Promotion Corporate Honor Roll 2008

## Platinum

Waibel Energy Systems

## Gold

Controlled Air, Inc.

Elitaire, Inc.

Ramsay-Cohron Mechanical Equipment

Starco

Stoermer-Anderson

## Silver

Heapy Engineering, LLC

Uptime Solutions

## Bronze

Allied Supply

BC&E Engineering

Contech Design

Patterson Equipment

Zimpher Sales



# Dayton Chapter ASHRAE

<http://www.daytonashrae.org>

## Membership Application and Roster Information 2008-2009

\_\_\_\_\_  
Your Name

\_\_\_\_\_  
Your Company Name

\_\_\_\_\_  
Home Address

\_\_\_\_\_  
Business Address

\_\_\_\_\_  
City State Zip

\_\_\_\_\_  
City State Zip

( ) - \_\_\_\_\_  
Home Phone Spouse Name

( ) - \_\_\_\_\_  
Business Phone Ext. Fax Number

\_\_\_\_\_  
Home e-mail address

\_\_\_\_\_  
Business e-mail address

**SEND NEWSLETTER TO:** Home Address Home email address Business Address Business email address

I prefer Lunch Meetings \_\_\_\_\_ I prefer Dinner Meetings \_\_\_\_\_ I have no preference \_\_\_\_\_

**Chapter achievements are accomplished through active committee involvement. If you would like to promote your Society by serving as a committee chair or assist on one of the chapter committees, please indicate in which committee you are interested below. Please indicate your first preference by number 1 and so on.**

- Education  Membership  Research  Historian  Newsletter  Chapter Office
- CTT (Refrigeration; Technical, Energy & Government; Programs)  Golf Outing  Communication
- Holiday Party  Honors & Awards

### Please Check Your Preferred Roster Affiliation

Consultant  Contractor  Industry/Government  Retired

**Education** Student: School \_\_\_\_\_ Degree \_\_\_\_\_ Approximate Graduation Date \_\_\_\_\_

**Wholesalers, Manufacturer's Rep/Sales Offices, Fill in trade names of products you represent below**

Air Devices		Louvers and Dampers
Air Handlers		Make-Up Air Units
Boilers		Packaged A/C
Building Automation		Pre-Insulated Pipe
Chillers		Pumps
Coils		Sound Attenuation
Computer Room Equipment		Steam Specialties
Cooling Towers		Air Terminal Units
Ductwork		Thermal Storage
Dust Collection		Unit Heaters
Fans		Unit Ventilators
Fan Coil Units		Vibration Isolators
Filtration		Valves
Heat Exchangers		Variable Speed Drives
Heating Equipment		Water Source Heat Pumps
Humidity Control		Water Treatment
Kitchen, Laboratory Fume Hoods		Other

*Dayton Chapter ASHRAE dues for the Society year beginning July 1, 2008 and ending June 30, 2009 are \$95 per year. Dayton Chapter ASHRAE dues include 6 dinner/lunch meetings, and both you and a guest for the holiday event. \* Note: Be sure to begin paying Local dues when you pay your National Dues.*

**Please return this application and a check or money order in the amount of \$95 made payable to Dayton ASHRAE to:**

**DAYTON ASHRAE, PO Box 3202, Dayton, OH. 45401**

**Paid local dues with your annual dues? Please return the form anyway!**



# ASHRAE RESEARCH Dayton ASHRAE

## Contribution Form

Thank you in advance for your commitment to ASHRAE Research! Remember, this is our livelihood. ASHRAE's research and educational programs are what keeps our industry and profession on the leading edge and assures its continued existence. Confident that you will recognize the benefits of this investment, I am asking you to help fund the future HVAC&R research and professional development.

**Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

\_\_\_\_\_

**Phone Number:** \_\_\_\_\_

**Member Number (If known):** \_\_\_\_\_

**Amount:** \_\_\_\_\_

**Do you want to be recognized in the Dayton newsletter as a contributor? (circle) YES NO**

**Mail completed form with your check, payable to ASHRAE Research to:**

**Denny Lammlein  
29 Sandelwood Street  
Springboro, OH 45066**

