



ASHRAE

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

Dayton Chapter
PO Box 3202 Dayton, OH 45401
<http://www.daytonashrae.org>

2007-2008 OFFICERS

President

Greg Cohron (513)742-1110
Ramsay-Cohron
gcochron@rcme.com

President-Elect

Lorraine Kapka 512-4501
Sinclair Community College
Lorraine.Kapka@Sinclair.edu

Secretary (acting)

Colleen Haun
Ramsay-Cohron
chaun@rcme.com

Treasurer

Jeremy Fauber 224-0861
Heapy Engineering
jpfauber@heapy.com

Committee Chairs

Membership

Joe Ferdelman 224-0861
Heapy Engineering
jferdelman@heapy.com

History

Tom Ferdelman 224-0861
Heapy Engineering
tferdelman@sbcglobal.net

Newsletter Editor

Lorraine Kapka 512-4501
Sinclair Community College
Lorraine.Kapka@Sinclair.edu

Research Promotion

Dennis Lammlein
Signature Technologies
dlammlein@woh.rr.com

Student Activities

Russell Marcks 512-2053
Sinclair College
Russell.Marcks@sinclair.edu

CTTC

Bart Grunenwald 937-331-9204
BC&E Engineering
Bartg.bce@sbcglobal.net

CRC Committee

Tom Ferdelman 224-0861
Heapy Engineering
tferdelman@sbcglobal.net

OCTOBER MEETING NOTICE
Chilled Beam Cooling
A "cool" new idea!

October 8, 2007

Dayton Engineer's Club

- 5:30 – 6:00 Social time
- 6:15 – 6:45 Dinner
- 6:45 – 7:00 Chapter Business
- 7:00 – 8:00 Speaker

Paid local members: Free

Guests: \$20

Chilled Beam Cooling Systems: The October 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.

Speaker: Ken Loudermilk, Vice President of Technology and Development for Trox USA Inc.

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.

**For reservations contact Krystal Coogan at Heapy Engineering,
kbcoogan@heapy.com or 224-0861 by Noon Thursday, October 4th!
(Note –reservations now required on **THURSDAYS!**)**



WIN Bengals Tickets! Each time you attend a Dayton ASHRAE meeting or tech session this year you will receive one ticket towards a drawing to be held in April for a pair of tickets to a 2008-2009 game courtesy of Ramsey-Cohron. You must be a local member in good standing to win.

Don't be left out: return your roster information today!



A Note from the President

With the summer coming to a close, it's time to get the ASHRAE year rolling once again. I would like to give a sincere "Thank You" to Tom Ferdelman for an outstanding year as President and for his continued presence as historian of our chapter. (And check out the press release on the next page about the ASHRAE Award he recently received!).

The Board has been busy planning this year's programs and it looks like we have been successful in putting together an interesting year of topics. I ask that all of us encourage a friend or co-worker to accompany them to a monthly meeting. Remember the first meeting is free to all newcomers and we need to focus on not only increasing membership but also in bringing new blood to the fold. Please mark your calendars with each meeting date now.

As of this week, the position of secretary is open and we are desperately looking for an able-bodied person willing to give of their time to help our chapter move forward. Feel free to nominate yourself or a friend.

Want to get involved? The next Board of Governor's meeting is Wednesday, October 24 at 8 AM at Heapy Engineering. Donuts from "Bill's Donuts" will be served!

I look forward to serving as this year's President and welcome all of you back for an exciting year of old and new activities.

Best regards,
Greg Cohron

New Member Promotion: Starting in October, you can bring a prospective member to one meeting for FREE. Just be sure to make them a reservation and note that they are a prospective member.

Help Wanted Ads

We have been asked by a number of members to furnish employment want ads for ASHRAE Members. Want ads do appear in the ASHRAE Journal and in many other Chapter Newsletters. The Board decided to try it in next month's Newsletter and in the future, if needs still require. The cost for a quarter page ad for one month would be a fee of \$50.00 payable to Dayton ASHRAE. All ads will also appear on the Dayton ASHRAE website. It is expected that all revenues for this service will be earmarked for ASHRAE Research. Send information direct to Newsletter Editor Lorraine Kapka with a check to made payable to Dayton ASHRAE to: DAYTON ASHRAE, PO Box 3202, Dayton, OH. 45401

Coming Events 2007/2008



September, 2008 Golf Outing with Cincinnati ASHRAE

**October 8, 2007 DINNER MEMBERSHIP PROMOTION NIGHT, STUDENT NIGHT
Chilled Beam Cooling Systems**

**November 12, 2007 DINNER STUDENT NIGHT and RESEARCH PROMOTION NIGHT
Control System Integration**

**December 10, 2007 LUNCH PAST PRESIDENT'S
What's Up with Codes?**

January HOLIDAY PARTY, date TBD

**February 18, 2008 REFRIGERATION NIGHT
Refrigeration tour, Dayton Bombers Game**

**March 10, 2008 DINNER ASHRAE Distinguished
Lecturer on Global Warming**

April 9, 2008 Tour TBD

May or June 2008 Spring Golf Outing

Student ASHRAE News



Sinclair students will be joining with Dayton ASHRAE for both the October and November meetings – please be sure to welcome them – you just may find yourself sitting next to a future employee!

Sinclair's Student HVACR Club is always looking for speakers or sponsors for HVACR activities on Sinclair's campus. Contact Lorraine.Kapka@sinclair.edu or 512-4501 if you or your company are interested in participating.

Need a little help? Consider a co-op or student intern from Sinclair's 2-year HVACR Engineering Technology Degree Program.

Research Promotion News



Research promotion dollars are starting to roll in. Contributions have been received this month from Tom Ferdelman and Jeremy Fauber. Way to step up! Wouldn't it be great if everyone in the chapter made a contribution? No amount is too small to help us meet our fundraising goal!

In case you missed it last month:

AMERICAN SOCIETY OF HEATING,
REFRIGERATING AND AIR-CONDITIONING
ENGINEERS For Release: June 23, 2007

Dayton Engineer Receives ASHRAE Exceptional Service Award

LONG BEACH – Thomas J. Ferdelman, P.E., has received an Exceptional Service Award from the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) during its annual meeting held here June 23-27.

The Exceptional Service Award recognizes Distinguished Service Award recipients who have continued to serve the Society faithfully and with exemplary effort.

Ferdelman is a senior mechanical engineer with Heapy Engineering, Dayton, Ohio.

Through his volunteerism, Ferdelman has helped build ASHRAE's education program. His first Society-level activity was in 1976 on the Education Committee, which investigated the advantages of joining Accreditation Board for Engineering and Technology (ABET). ASHRAE remains a member of ABET today. Ferdelman also served on an ad hoc learning institute committee that helped guide the Society's development of its educational program, now known as the ASHRAE Learning Institute. He served as Region V director and regional chair on the Board of Directors from 1989-1992, and currently is serving as president of Dayton Chapter, an office he first held 36 years ago.

He received the Distinguished Service Award in 1990. ASHRAE, founded in 1894, is an international organization of 55,000 persons. Its sole objective is to advance through research, standards writing, publishing and continuing education the arts and sciences of heating, ventilation, air conditioning and refrigeration (HVAC&R) to serve humanity and promote a sustainable world.

PE License Renewal

Just a reminder: Beginning in 2007, Ohio PE Registration renewal requires 15 CPDs. The PE Registration Board does not pre-approve courses nor does the board pre-approve providers. Each Registrant is responsible for their hours and to make sure that the courses they take meet the requirements and must include technical, ethical or managerial content. Typically 50 Minutes of content would account for one CPD. There are many ways to obtain CPD's just to mention few as outlined by the Ohio PE Board are as follows:

1. Completion of courses offered by a professional of trade organization, university or college, or offered in-house by a corporation, or technical presentations conducted at meetings, conventions conferences sponsored by a corporation,

other business entity, professional or technical societies, association agency or other group.

2. Teaching relevant courses (does not apply to full-time faculty – only applies to courses being taught for the first time).

3. Authoring papers.

4. Completion or auditing of college courses.

5. Being an officer or committee member (2 CPDs) of an engineering society i.e, ASHRAE.

They do not accept self-directed study courses. You must keep your own records (see attached suggested log sheet). I feel that our typical technical ASHRAE meetings would count for credit. However, I suggest you check the BOD's web at <http://ohiopeps.org> (click on "Renewals> CPD" located just under the heading) for more complete and accurate information.

Dayton ASHRAE History

Bob Dickerson was the President for 1980-1981. Bob was employed by Eaton Cutler-Hammer as a sales representative, who was introducing a variable frequency drive controller for motors that was fairly new for that era. Eaton Cutler-Hammer still has offices in the Dayton Area and produces Electrical Switches. Bob was promoting the variable speed drive project on a Regional basis and ended up being on the road and thus only made it to a few meetings. Vice President Mike Nauman ended up getting a lot of practice before assuming the reins the following year. The meeting location moved back to the engineers club. Most ASHRAE officer and committee meetings were held in the basement prior to the meetings. Cocktails were served in the upstairs lounge and dinner in the main dining room. Bob disappeared from the Dayton area and his whereabouts are unknown.



The 1982-83 President was Mike Nauman. A native Daytonian, Mike returned to Dayton after graduating in Mechanical Engineering from Notre Dame and pursuing graduate studies in solar energy, energy conservation and thermodynamics at Ohio State University while working as a graduate assistant. Mike studied under Professor Chuck Sepsy in the Mechanical Engineering Department. Professor Sepsy was a past Society President of ASHRAE. Mike came back to Dayton in 1978 and joined the Consulting Engineer Firm of Heapy and Associates, becoming a Partner of the firm in 1989. The History of Heapy Engineering will follow in later year Dayton histories. Mike left Heapy Engineering in 2003 and subsequently formed the Consulting Engineering firm of Nauman and Zelinski with Jeff Zelinski who had been employed by Rieck Mechanical Services. Dayton ASHRAE continued to meet at the Engineer's Club; unfortunately there is not a record of meeting events. Spotty memories recall some well-attended meetings and some not so well. Recollection has it that the golf outings started to gain in popularity and were well-attended. For several years the outing was held at the "Hawk" course at Kitty Hawk. Dinner, prizes and festivities were all top notch. The Roster indicates that there were 84 local Members.



Dayton Chapter ASHRAE

www.sinclair.edu/community/daytonashrae

Membership Application and Roster Information 2007-2008

ROSTER AND PAYMENT DUE OCTOBER 26, 2007

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 ___ Telephone
___ Honors & Awards

Please Check Your Preferred Roster Affiliation

☐ Consultant ☐ Contractor ☐ Industry/Government ☐ Retired
☐ Education ☐ Student: School _____ Degree _____ Approximate Graduation Date _____
☐ Wholesaler ☐ Manufacturer's Rep/Sales Office

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

Air Devices
Air Handlers
Boilers
Building Automation
Chillers
Coils
Computer Room Equipment
Cooling Towers
Ductwork
Dust Collection
Fans
Fan Coil Units
Filtration
Heat Exchangers
Heating Equipment
Humidity Control
Kitchen, Laboratory Fume Hoods

Louvers and Dampers
Make-Up Air Units
Packaged A/C
Pre-Insulated Pipe
Pumps
Sound Attenuation
Steam Specialties
Air Terminal Units
Thermal Storage
Unit Heaters
Unit Ventilators
Vibration Isolators
Valves
Variable Speed Drives
Water Source Heat Pumps
Water Treatment
Other

*Dayton Chapter ASHRAE dues for the Society year beginning July 1, 2007 and ending June 30, 2008 are \$85 per year. Dayton Chapter ASHRAE dues include 7 dinner/lunch meetings, and both you and your spouse 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 \$85 to 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: _____

Make checks payable to **ASHRAE Research Promotion.**

Send this form and check c/o Denny Lammlein

29 Sandelwood Street

Springboro, OH 45066

Continuing professional development (CPD) activity log**4012**

All CPD activities and courses must be relevant to the practice of engineering or surveying and must include technical, ethical or managerial content.

This form is required for tracking your CPD hours for Ohio P.E. and Ohio P.S. registration annual renewal. This form does not replace copies of your certificates of completion or other documentation required by Ohio Revised Code Chapter 4733.151. Fifteen (15) CPD hours are required for Ohio registration renewal. A maximum carryover of 15 CPD hours are allowed per year. For information about the Board's CPD requirements, go to our website at <http://ohiopeps.org/cpd/index.html>.

This CPD activity log is provided for your use and must be submitted to the Board ONLY when requested by the Board.

YOUR OHIO P.E., P.S. REGISTERED NAME

P.E. NUMBER AND / OR P.S. NUMBER FOR CALENDAR YEAR

DATE	SPONSOR/PROVIDER	LOCATION ADDRESS, CITY AND STATE	TITLE OF ACTIVITY DESCRIPTION	INSTRUCTOR	DURATION	CPD EARNED	DOCUMENT RECEIVED

TOTAL CPD
EARNED THIS
YEAR

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CPD CARRIED OVER
FROM PREVIOUS
YEAR (MAXIMUM 15)

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The credits listed herein are true and correct and state accurately the continuing professional development hours which I have earned.

SIGNATURE

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DATE SIGNED

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**State Board of Registration for Professional Engineers and Surveyors**

77 South High Street, Room 1698 • Columbus, Ohio 43215-8108

VOICE (614) 466-3850 • FAX (614) 728-3059 • U.S. TOLL FREE (877) 644-6384 (877) OHIO ENG

EMAIL cpd@mail.peps.state.oh.us • WEB <http://ohiopeps.org>