



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

**ASHRAE**

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Dayton Chapter  
PO Box 3202 Dayton, OH 45401  
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## **The Science of Climate Change: Past President's Night (See page 4)**

**Monday, March 10, 2008**  
**Engineer's Club of Dayton**  
**110 E. Monument Avenue**  
**Dayton, OH**

**Paid local members: Free**  
**Students: \$10**  
**Guests: \$20**

**5:00 – 6:00 Tech Session**  
**5:30 – 6:00 Social Time**  
**6:15 – 6:45 Dinner**  
**6:45 – 7:00 Chapter Business**  
**7:00 – 8:00 Chapter Program**

**Tech Session Topic:** "Climate Change Science - Political Legislation, International, Country and State".

**Main Presentation:** "Ozone and Climate Change - Industry and Personal Responses."

The current understanding of the science of climate change will be reviewed, both the "knowns" and the "unknowns." This discussion will also include an update on current ozone depletion science, recent Antarctic ozone hole activity and Arctic depletion, projections for future recovery, and the impact of CFCs/HFCs and other chemical species.

**ASHRAE Distinguished Lecturer:** Thomas Werkema

For the past 14 years, Mr. Werkema has been involved in and attended all major United Nations meetings of the Montreal Protocol on Substances that Deplete the Ozone Layer, Persistent Organic Pollutants and the Kyoto Protocol on Climate Change. See page 3 for additional biographical information.

**"For reservations contact the ASHRAE voicemail box at Heapy Engineering at 224-0862 extension 1581 or email [jpfauber@heapy.com](mailto:jpfauber@heapy.com) by Noon Thursday, March 6th"**



### **Get your tickets Now!**

Dayton ASHRAE has 100 tickets for the game on Sunday, **May 4th at 2 PM**. Tickets are only \$10 each – bring your family and have a great afternoon with your friends from Dayton ASHRAE. An order form is attached.



**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 Ramsay-Cohron. You must be a local member in good standing to win.



## **A Note from the President**

At the CRC in August of '07, I attended a technical talk on global warming given by Tom Werkema. The talk did not have heavy political overtones as one might expect. Instead the lecture focused on what is happening in the world today in the form of protocols and government legislation on the topic of global warming. ASHRAE felt this was of such great benefit to our members that Mr. Werkema has been identified as a Distinguished Lecturer. He will be presenting both the Tech Session and the dinner meeting on March 10th. I sincerely hope you enjoy his presentation as much as I did.

I wanted to express my appreciation to those of you that have contributed to the ASHRAE Research Fund. So far we have received over \$4,500 and the Corporate Sponsor Board will make its debut at the March meeting. If you would like to see your name on the Sponsor Board (page 5) in March, please hurry, it's not too late. Contact Denny Lammlein ASAP to make your contribution now!

Make sure to mark your calendars since we have several activities coming up that you will not want to miss. The April 1<sup>st</sup> Dayton Bombers versus the Cincinnati Cyclones Game, the April 16<sup>th</sup> ASHRAE Satellite Webcast, the May 4<sup>th</sup> Dragons Game, and of course our ever-popular Spring Golf Outing (date soon to be announced). Hope to see all of you at each event.

Best regards,

Gregory Cohron, P.E.

## **Welcome New Members!**

The following are new members of the Dayton Chapter:

Tim LaGrange  
Bryan Fox  
Rick Leonard



**New Member Promotion: Become a new local member now and attend the March and April meetings for free. Just fill out the attached application and send it in with your check for \$95.**

## **Student ASHRAE News**

Thanks to Brent Hecker of Rieck Services for his presentation on Water Source Systems to Sinclair HVACR club students on Thursday, February 28, 2008.



We are always looking for speakers and sponsors for HVACR activities on Sinclair's campus. Contact [Lorraine.Kapka@sinclair.edu](mailto:Lorraine.Kapka@sinclair.edu) or 512-4501 if you or your company are interested in participating.

## **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  
What's Up with Codes?**

**January 11, 2008 HOLIDAY PARTY**

**February 18, 2008 LUNCH  
What's Cool in Refrigeration?**

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

**March 11, 2008 Board of Governors Meeting  
8 AM Heapy Engineering**

**April 1, 2008 REFRIGERATION NIGHT  
Refrigeration tour, Dayton Bombers vs. Cincinnati Cyclones Game**

**April 16, 2008 ASHRAE Satellite Broadcast/ Webcast On Integrated Building Design  
Sinclair Community College, Rm 14130  
1:00 – 4:00 PM 3 PDH available**

**May 4, 2008 ASHRAE at the Dayton Dragons**

**June 2008 Spring Golf Outing**

## **Research Promotion News**



Contributions to ASHRAE Research continue to come in from individuals and

companies who participated in the Research Promotion breakfast in December. Recent contributors include:



Starco (Howard Krisher)

Waibel Energy Systems (Dave Waibel)

Dayton contributions have now exceeded \$4500 for this fiscal year. Our Companies' Breakfast Campaign on December 6th has exceeded \$2800. Thanks Dayton! But only 13 individual members out of a 100+ chapter have donated and only nine businesses (see page 5). What about the rest of you? Just fill out the attached form and drop it in the mail with your check made out to ASHRAE Research.

## Dayton Chapter History

Denny Lammlin was President from 1985 to 1986. He joined ASHRAE and the local Dayton Chapter in 1979 while a Captain in the USAF and stationed at WPAFB.



At Wright-Patterson, he was assigned to the Air Force Institute of Technology's School of Civil Engineering, where he taught HVAC classes to military and civilian Air Force Engineers. In November 1980, Denny resigned from active duty and went to work for Monsanto Research Corporation in Miamisburg, which was the operating company for the U.S. Department of Energy's Mound Plant. This plant was a top secret weapons plant responsible for the production of nuclear triggers and other devices used in our nuclear weapons arsenal. He was employed as an HVAC engineer in the Maintenance Engineering Department. His early assignment was to replace the plant's obsolete and dysfunctional pneumatic control systems with a new centralized direct digital control system. This upgrade was in parallel with a plant-wide utilities modernization program where the central heating and cooling plant was expanded and automated. Four 1000 ton chillers were added to one existing 1000 ton chiller and a new central loop system was installed, along with the removal of a multitude of roof-top cooling unit, replaced by heavy-duty air handling units. In the 1980's, the key philosophy at the Mound was durability and redundancy. Operation of the many critical labs and production areas within close temperature and humidity limits was paramount! This was the era of the Reagan weapons program build-up – the goal was to defeat the Russians. And it worked!

In 1991, when the Berlin Wall came down, the word came – Mound would be closed – we won the Cold War! Then the site clean-up began. Monsanto had left in 1988, followed every few years by different operating contractors - EG&G, Babcock and Wilcox, and finally by CH2M Hill. Denny remained in the Air Force reserves until in 1994 when the 906<sup>th</sup> Fighter Group was deactivated. In 2005, with the closing of Mound, he retired from CH2M Hill and is now working toward his 3<sup>rd</sup> retirement as a project manager for a small company, Signature Technologies, Inc., in Miamisburg. This company provides data information services primarily to various transportation venues, such as airports and rail stations. For example, you have seen the data in the form of Arrival and Departure information at airports.

For Dayton ASHRAE, Denny served as Membership chair in 1983/1984 followed by Vice President and President in 1985/86. With the help of a great Board of Governors, particularly the dynamism of Bill Bissmeyer, who succeeded him as president, the Chapter achieved the highest PAOE points in the Society during his term as president. The chapter was still growing and reached a high of 214 chapter members. Again there were great programs with presentations on the Future of Industry in Ohio by former Governor Jim Rhodes, motivation for success by Sher Patrick of WHIO, Professional Liability and Malpractice and a sports talk by UD Basketball coach Don Donoher. More recently

Denny has continued to serve as the Research Promotion Chair for about the last 10 plus years. In 1990, he was the Chairperson for CRC hosted by Dayton, and 13 years later, co-chaired the event again here in Dayton with Tom Ferdelman.

## Speaker Biography for Tom Werkema



Thomas Werkema graduated from the University of Michigan in 1971 with a B.S. in Chemical Engineering and in 1975 from Seidman Graduate School, a division of Grand Valley State University, with an MBA. Mr. Werkema has worked in the chemical industry for a variety of companies, building chemical plants, running them as plant manager, and in 1987, became Business Manager for the Industrial Chemical Division of Pennwalt, a \$200 million business. In 1993, he became Vice President of Regulatory Activities for Arkema, the successor to Pennwalt and Atofina, manufacturers of refrigerant and air conditioning fluids.

For the past 14 years, Mr. Werkema has been involved in and attended all major United Nations meetings of the Montreal Protocol on Substances that Deplete the Ozone Layer, Persistent Organic Pollutants and the Kyoto Protocol on Climate Change.

Mr. Werkema has received Presidential appointments to ASHRAE's Chapter Technology Transfer (previously TEGA) Committee since 2001 and the Advocacy Committee since 2004. He also serves on the Board of Directors of the Alliance for Responsible Atmospheric Policy, a leading fluorocarbon advocacy group, the Board of Directors for the International Climate Change Partnership, the Chlorine Chemistry Division Operating Committee, American Chemistry Council, various committees for the Air Conditioning and Refrigeration Institute, and leadership roles in several other trade associations. Mr. Werkema has led the industry efforts to develop Responsible Use Guides for HFCs.

## ASHRAE Webinar Coming April 16, 2008



***"Integrated Building Design – Putting The Pieces Together To Unleash The Power Of Teamwork."***

The 2008 presenters are:  
Walter Grondzik, Ball State Univ.,  
Chuck Gullede, AC Corporation (Past CTTC Chair),  
Dru Crawley, US DOE  
Paul Torcellini, NREL.

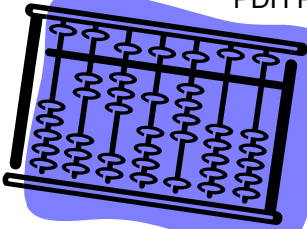
Watch it with other ASHRAE Members in the "Forum" at Sinclair Community College. More details coming soon!

## Past Presidents at last year's meeting. How many can you identify?



### PE License Renewal

PDH Points Add Up Quick when you take HVACR Courses at Sinclair! See the current "News You Can Use" at [www.daytonashrae.org](http://www.daytonashrae.org) for details on how to sign up for spring classes. Hurry – classes start March 31, 2008!



**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.

#### 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 months 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. Davton. OH. 45401

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

## Research Promotion Honor Roll

### Platinum

Waibel Energy Systems

### Gold

Ramsay-Cohron Mechanical Equipment

Starco

Stoermer-Anderson

### Silver

Uptime Solutions

### Bronze

Allied Supply

Contech Design

Patterson Equipment

Zimpher Sales



Dayton Chapter ASHRAE

[www.sinclair.edu/community/daytonashrae](http://www.sinclair.edu/community/daytonashrae)

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 \_\_\_ 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, 2008 and ending June 30, 2009 are \$95 per year. Dayton Chapter ASHRAE dues include 7 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:** \_\_\_\_\_

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 \_\_\_\_\_ CPD CARRIED OVER FROM PREVIOUS YEAR (MAXIMUM 15) \_\_\_\_\_

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

SIGNATURE \_\_\_\_\_ DATE SIGNED \_\_\_\_\_



## State Board of Registration for Professional Engineers and Surveyors

77 South High Street, Room 1698 • Columbus, Ohio 43215-6108  
 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](mailto:cpd@mail.peps.state.oh.us) • WEB <http://ohiopeps.org>