



Dayton Chapter

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

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

Golf, Anyone?



ASHRAE Golf Outing
Heatherwoode Golf Center
Springboro, Ohio

Dinner and Golf, \$110 per player
Dinner only, \$30 per person

RSVP to Kerry Ward

(kerryward@habegger.com)

Proceeds to Research Promotion
And Dayton ASHRAE Scholarships

COMING EVENTS:

- ◆ May 17 Board Meeting at Heapy Engineering, 8 AM
- ◆ June 21 Board Meeting at Heapy engineering, 8 AM
- ◆ June 23-27, ASHRAE Annual Conference, San Antonio, TX

ASHRAE

2011-2012 OFFICERS

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President's Monthly Brief:



Once again, I'd like to thank all the members that came out this month for our last technical meeting in April. Matt Irons from Emerson gave us a very informative update on what is shaking out there with refrigerants, legislation and the equipment affected.

I'd like to also highlight two of our local colleges that received grants from ASHRAE for projects this coming year. Both Sinclair and Wright State received grants. Great job guys!

If you are a contractor and feel that you can't find a Technical Committee that really suits you, look no further. ASHRAE is putting together TC 7.2 HVAC&R Construction and Design Build Technologies. They are actively seeking input from Design Build firms to help collaborate with other standards.


If you would like more info on joining a TC please email me any questions. Somebody say something about playing golf? Get in here! We are getting closer to the pinnacle of sports events in Southwest Ohio. You guessed it, the ASHRAE golf outing is right around the corner! If you don't have your four-some together, it's not too late! Find some colleagues you like, or heck, find people you don't even like! It's for a great cause, ASHRAE Research and our local Scholarship!

Welcome to our newest board member Evan Nutt from Waibel Trane. He is the incoming Secretary. Welcome Evan.

Sadly, this is one of my last President's Letters. If you are one of the few who enjoyed reading these, please click in the upper left hand corner, Save As. You can come back anytime you need help falling asleep!

Steve Meier, Dayton ASHRAE President

News Flash: Tom Ferdelman will receive ASHRAE's 50 Year Distinguished Service Award at the Annual Meeting!

	<h1>The Student Zone</h1> <p>Check it out on page 5!</p>
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Research Promotion Notes:
If you don't see your name on the Honor Roll on page 3, we do not have your ASHRAE Research Contribution yet for this chapter year. Use the form on page 8 to send in your contribution today! **\$10,504.65 to date!**



Research Promotion Honor Roll 2011-12

Corporations

PLATINUM (\$1000 or more)

Emerson Climate Technologies

GOLD (\$500 or more)

Waibel Energy Systems

SILVER (\$250 or more)

Controlled Air, Inc.

BRONZE (\$150 or more)

Allied Supply Company, Inc.—Dayton

Individuals

HONORS (\$100 or more)

Jeremy Fauber

Tom Ferdelman

Jason Gillespie

Larraine Kapka

Kyle Kurtz

Dennis Lammlein

Frank Mauro

James McCabe

Steven Meier

John Patterson

Richard Pavlak

Jake Taylor

HONORABLE MENTION

Tom Monning

DAYTON ASHRAE

Make a New Year's Resolution to Get More Involved with ASHRAE!

Go National!

Applying for Membership on a Technical Committee

ASHRAE welcomes new members to its technical committees.

To be considered for technical committee membership, you must:

- ◆ Notify ASHRAE staff at TCStaff@ashrae.net of your interest in a particular TC, TG, TRG, or MTG.
- ◆ Create or update your ASHRAE biographical record under the “[Manage Your Membership](#)” link from the ASHRAE Web site

◆

Please note:

If you do not have an ASHRAE ID, are or not applying for ASHRAE membership, and are applying for a position that requires an ASHRAE bio to be on file, please [click here](#) to request an ID and PIN. You may also use that link if you already have an ASHRAE ID as a non-member, but you do not have a record of what that number is. You will immediately be assigned as a Provisional Corresponding Member. The acceptance of provisional corresponding membership implies participation in committee activities through correspondence or in-person involvement. Provisional corresponding members serve 2 year terms. Although provisional corresponding members are not voting members, at the end of your term and based on participation in the committee, you may be considered for future voting membership. Notification of acceptance to a TC is emailed upon your appointment.

Stay Local!

See page 7 for local opportunities or contact any Board member (listed on page 2).

The Student Zone

The Dayton Chapter awarded
\$500 scholarships to:

Frank Brewster

Scott Weaver

Frank, a recent Sinclair HVAC graduate who works at Rieck will be continuing his HVAC education on-line at Ferris State University.

Scott, who works at KLH, will be completing his 2-year HVAC degree at Sinclair Community College.

Congratulations to both of these deserving young men. We hope to see them active in our Dayton Chapter soon!



Dayton ASHRAE Needs You!

Wanted: Individual to work with current Research Promotion Chair (Dennis Lammlein) with the goal of becoming RP Chair in the future.

Qualifications: Willingness to talk to members about contributing to ASHRAE Research.

Wanted: Webmaster for the Dayton ASHRAE Website to take over from Russ Marcks.

Qualifications: Ability to use web authoring software to update and freshen the website and add new, interactive features desired by members.

Each of these positions requires just a few hours a month. Please contact President Steve Meier (smeier@watkem.com) or any Board Member (see page 2 for directory).



Employers



Have a Job to Fill?

Advertise in your Dayton ASHRAE Newsletter and on the Dayton ASHRAE Website.

Insert a business-card size ad for \$20 a month or \$100 a year.

All proceeds to Dayton ASHRAE Scholarship Fund.

Send ad copy to : Lorraine.Kapka@Sinclair.edu

Dayton ASHRAE Members

Need a Job?

Submit your profile to your Dayton ASHRAE Newsletter.

We'll print it for FREE!

Limited to 250 words plus contact information.

Send ad copy to : Lorraine.Kapka@Sinclair.edu

Volunteers Needed

Ready to Give Back to YOUR Industry?

Dayton ASHRAE needs members to work on committees.

Contact Steve Meier at:

smeier@watkem.com

2011-2012 ASHRAE RESEARCH Dayton ASHRAE

Contribution Form



2010-2011 saw ASHRAE continue its leadership in developing standards and guidance for the design, operation and maintenance of healthy, energy-efficient buildings. The Dayton Chapter again met their goal to raise money for research, setting a new high. Research dollars help fund the science behind the handbooks and standards, making sure that guidance has a solid foundation.

This industry gives all of us 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 future HVAC&R research and development. Together, we can all make a difference!

Amount enclosed: ___ \$250 ___ \$150 ___ \$100 ___ \$50 ___ Other (specify) _____

Name: _____

Address: _____

Phone Number: _____

Member Number (If known): _____

Donation in memory of: _____

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

Invest in the Future:

Support ASHRAE Research!



For Release:
Contact: Jodi Scott, Public Relations
678-539-1140
jscott@ashrae.org

April 9, 2012

Changes Related to Data Centers, Lighting, Space Heating Energy Source Proposed for ASHRAE/IES Energy Standard

ATLANTA – A proposed change to the ASHRAE/IES energy standard regarding data centers recognizes the role that system efficiencies – vs. only equipment – can play in reducing energy consumption. “This change regarding data centers represents a building block as we work to build on the foundation of energy conservation in the standard,” Drake Erbe, 90.1 vice chair, said. “We recognize that equipment used in buildings is reaching maximum capabilities in energy efficiency. We now must examine the role that system efficiencies play in saving energy. Inclusion of data centers in the standard was a step in that direction.”

With publication of the 2010 standard, ANSI/ASHRAE/IES Standard 90.1-2010, Energy Standard for Buildings Except Low-Rise Residential Buildings, data centers were included within its scope for the first time. Most data centers were required to have economizers, but some in the data center industry disagreed with the requirement, maintaining that economizers are subject to static discharge due to low humidity, gaseous contaminants and reliability. Erbe said the 90.1 committee worked with the data center industry and ASHRAE’s technical committee on mission control facilities, technology spaces and electronic equipment to develop an alternative path known as power usage effectiveness (PUE) to allow use of developing technologies for which there are no energy modeling tools available. The path is addressed in proposed addendum ap, which is currently open for public comment. “This is a significant issue to design professionals in that without a simulation program available to model these systems they have to receive approval from the authority having jurisdiction for an exceptional calculation method, which, in most cases, is beyond the jurisdiction’s knowledge level,” Erbe said. “The PUE values were developed using water cooled chillers with water size economizers and air cooled chillers with air side economizers, using prescriptive requirements currently in the standard. The PUE values for all climate zones are able to be achieved by both of these conventional system types.” In total, 15 proposed addenda to Standard 90.1 are open for public review. For more information, visit www.ashrae.org/publicreviews.

Also open for public comment is addendum ao, which offers an alternative compliance path for lighting requirements aimed at the large number of smaller, simpler buildings that make up a majority of new construction and retrofit activity, according to Eric Richman, chair of the standard’s lighting subcommittee. It provides a less complicated set of requirements that should be easier to apply to these types of facilities, and also includes more stringent Lighting Power Density (LPD) limits that may restrict the application of more lavish space lighting designs not commonly found in these facilities. This compliance path will replace the current whole building LPD table and only applies to a subset of building types that encompass many of the smaller, simpler buildings. The use of this method is optional and the full space-by-space method used by most designers for larger more complex facilities still remains for application to any building type, Richman said. In addition, addendum al is open for public review. Users of Appendix G of the standard have noted that the baseline energy budget is different depending on whether electricity or natural gas is chosen for either space heating and water heating, according to Don Brundage, a member of the Energy Cost Budget subcommittee. In some cases, this can provide greater energy savings estimates from Appendix G when using one fuel versus another, and provides a strong incentive to specify the fuel that will provide the greatest energy savings using Appendix G.

“Proposed addendum al would make the baseline building energy budget (the minimum code baseline for determining energy savings) the same regardless of the choice of fuel in the proposed building, eliminating this bias,” Brundage said. “This is done by setting rules to determine the fuel to be used in the baseline building for space and water heating. These rules are based on climate zones for space heating and type of building usage for water heating. This would make energy savings estimates using Appendix G more consistent and fair than under the current version of the standard.”

In addition to addendum al, ao and ap, eight other addenda are open for public review from March 23 until May 7. They are addenda af, ag, ai, am, an, aq, ar and at. Four addenda are open for public review from March 23 until April 22. They are addenda ad, ah, aj and as.

The Only Specialty
Jobs Board for
HVACR Engineers



Jobs

Welcome to ASHRAEJobs.com
Your source for HVACR
Engineering Careers





Dayton Chapter ASHRAE

<http://www.daytonashrae.org>

Membership Application and Roster Information 2011 - 2012

_____			_____		
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
 CTTC (Refrigeration; Technical, Energy & Government; Programs) Golf Outing Communication
 Holiday Party Honors & Awards

Please Select 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, 2011 and ending June 30, 2012 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!

Pictures from the April Meeting



Past Dayton ASHRAE Presidents

**Scholarship Winner
Frank Brewster**



**Scholarship Winner
Scott Weaver**