

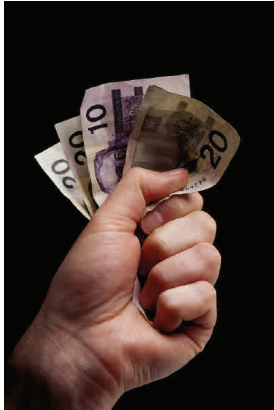


Dayton Chapter

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

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

## January is Scholarship Month!



# Free Money!



## Now that I have your attention:

- Two \$500 scholarships available
- Members of Dayton ASHRAE Chapter, their immediate family, or student ASHRAE members
- Must have completed 12 college hours towards their degree
- See attached flyer or [www.daytonashrae.org](http://www.daytonashrae.org)
- Application must be postmarked by January 31, 2013

### COMING EVENTS:

- ◆ January 19 Holiday Party (this is a Saturday evening)
- ◆ February 11 February Lunch Meeting at Engineer's Club
- ◆ February 20 Board Meeting at Heapy Engineering, 8 AM

# ASHRAE

## 2012-2013 OFFICERS

### President

Jason Gillespie 313-8843  
Point-to-Point Systems  
[jasondavidgillespie@gmail.com](mailto:jasondavidgillespie@gmail.com)

### President-Elect

Kyle Kurtz 264-4343  
Waibel Energy Systems  
[Kyle.kurtz@trane.com](mailto:Kyle.kurtz@trane.com)

### Treasurer

Jake Taylor 224-0861  
Heapy Engineering  
[jtaylor@heapy.com](mailto:jtaylor@heapy.com)

### Secretary

Evan Nutt 264-4343  
Waibel Energy Systems  
[Evan.nutt@trane.com](mailto:Evan.nutt@trane.com)

### Past President

Steven N. Meier 573-3072  
Wat-Kem Mechanical  
[smeier@watkem.com](mailto:smeier@watkem.com)

### Committee Chairs

#### Membership

Steve Coppock 228-7474  
Habegger Corporation  
[stevecoppock@habeggercorp.com](mailto:stevecoppock@habeggercorp.com)

#### History

Tom Ferdelman 224-0861  
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[tferdelman@ymail.com](mailto:tferdelman@ymail.com)

#### Newsletter Editor

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Sinclair Community College  
[Lorraine.kapka@sinclair.edu](mailto:Lorraine.kapka@sinclair.edu)

#### Research Promotion

Dennis Lammlin 886-9178  
[dlammlin@woh.rr.com](mailto:dlammlin@woh.rr.com)

#### Student Activities

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[Russell.marcks@sinclair.edu](mailto:Russell.marcks@sinclair.edu)

#### CTTC

Michael Kennedy 224-0861  
Heapy Engineering  
[mbkennedy@heapy.com](mailto:mbkennedy@heapy.com)

#### Webmaster

Russell Marcks 512-2053  
Sinclair College  
[Russell.marcks@sinclair.edu](mailto:Russell.marcks@sinclair.edu)

#### Board of Governors

Jeremy Fauber 224-0861  
Heapy Engineering  
[jpfauber@heapy.com](mailto:jpfauber@heapy.com)

Rick Pavlak 224-0861  
Heapy Engineering  
[rpavlak@heapy.com](mailto:rpavlak@heapy.com)

Lorraine Kapka 512-4501  
Sinclair Community College  
[Lorraine.Kapka@Sinclair.edu](mailto:Lorraine.Kapka@Sinclair.edu)



## A Note from the President:

Happy New Year! I hope you all had as wonderful a 2012 as I did, and I hope everyone is looking forward to what the next twelve months can bring. I'd like to thank everyone for coming out on December 10<sup>th</sup> to see Mr. Jack Connell speak for our lunch meeting.

January is Scholarship Month – our Dayton ASHRAE Scholarship accepts applications until January 31, 2013. This is the third year and we would like to see even more applications than in the past. Please encourage anyone you know who may be qualified to apply – sometimes that little extra nudge is all they need. See page 4 for details.

Looking ahead, we have an exciting presentation on dynamic glazing at our February lunch meeting. We have invited the local AIA to join us for this meeting – encourage all of your architect friends to come out for an AIA-approved session (PDHs awarded).

For those of you who RSVP'd for the holiday party, I will see you there. Otherwise, see you in February!

Jason Gillespie, President, ASHRAE Dayton Chapter

**Get involved in YOUR Dayton ASHRAE!**

Now recruiting for members interested in:  
Chapter Programs

Chapter Service Positions (Secretary, Treasurer)

Contact Kyle Kurtz [kyle.kurtz@trane.com](mailto:kyle.kurtz@trane.com)

**Be a part of something special!**

**Free!**

### SAVE THE DATE

April 18, 2013, 1:00 pm - 4:00 pm EDT

FREE ASHRAE Webcast

*Assessing Building Energy Performance:*

*From Principles to Practice*

**Free!**



## Research Promotion Notes:

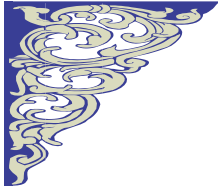
“One More” campaign for  
2012-2013:

**\$6226.76  
to date for  
2012-13!**

- ◆ One more Company (last year there were 11)
- ◆ One more individual (last year there were 23)
- ◆ One more dollar (or more) from each contributor

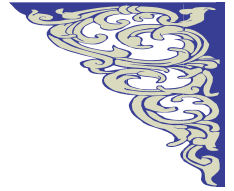
The Dayton Chapter has approximately 180 assigned members, with 50-60 who regularly attend meetings. Can't you “give back” even a little to the organization that provides your livelihood? **Contribution form on page 8.**

**See the new 2012-2013 research promotion honor roll attached!**



# Dayton ASHRAE History Corner

By Historian Tom Ferdelman



## DAYTON CHAPTER ASHRAE HISTORY

1997/98

		<b>Employer</b>	
<b>PRESIDENT</b>	Dave Deger	Air Control Equipment	
<b>PRESIDENT ELECT</b>	Jim Hocker	Stan & Assoc.	
<b>VICE PRESIDENT</b>	Dave Patterson	Patterson Equipment Co.	
<b>SECRETARY</b>	Jeff Evans	Rieck Mechanical	
<b>TREASURER</b>	Joe Ferdelman	Heapy Engineering	
<b>BOD</b>	All Officers & Committee Members		
<b>Student Activity</b>	Russel Marcks	Sinclair Community College	
<b>Research Promotion</b>	Mark Steiner	Barge Waggoner Sumner & Cannon	
<b>Membership</b>	Bruce Knapp	Trane company	
<b>TEGA</b>	Ken Baily	DP&L	
<b>Refrigeration</b>	Jeff Greenwalt	Trane Company	
<b>Historian</b>	Tom Ferdelman	Heapy Engineering	
<b>News Letter</b>	Dave Deger	Air Control Equipment	

### General Information

Meeting's were held at the Dayton Engineers Club

CRC Held in Cincinnati

Regional Director Eric Schwenker

### PROGRAMS

	Golf Outing		
10/14/1997	Joint Meeting w/ Cincinnati Chapter		
11/10/1997	Tech Meeting		
	History of Fans	Bill Bissmeyer	
12/12/1997	Spouses Night		
	Dayton Playhouse "I'll Be Home For Christmas"		
1/12/1998	Tech Meeting	DP&L Center	Lunch
	Ohio School Facility Commission	Franklin Brown	
2/9/1998	Tech Meeting		Lunch
	Electric Deregulation	Bruce Nickel DP&L	DP&L
3/9/1998	Plant Tour		
	WSU Nutter Center Ice Plant		
4/13/1998	Tech Meeting	Engineers Club	Lunch
	Fume Hood Ventilation	Russ Dulin	Industrial Air/Bayley
5/15/1998	Golf Outing		
	Larch Tree		

### SEE ATTACHED

122 Members

**Presidential Award Of Excellence**



## **\$500 SCHOLARSHIPS\***

Promoting the Art and Science of Heating and Air Conditioning  
in the Miami Valley!

**Dayton Chapter**

### Eligibility:

1. Undergraduate or graduate degree candidates enrolled in Engineering, Engineering Technology, Energy Engineering, Facilities Management, Construction Management, or similar degree leading to a career in the construction industry.
2. Member of Dayton Chapter of ASHRAE (paying local dues) and their immediate family members, or Student ASHRAE member.
3. Have completed 12 quarter hours or semester hours towards their degree.

Application Available at [www.daytonashrae.org](http://www.daytonashrae.org)

Questions? [Lorraine.Kapka@Sinclair.edu](mailto:Lorraine.Kapka@Sinclair.edu)

Application Must be Postmarked by January 31, 2013



Please help ASHRAE promote the availability of **more than 20 Society scholarships** for the 2013–2014 school year, available to high school seniors entering college through senior undergraduate engineering students.

Two High School Senior Scholarships—\$3,000 each

Applications due May 1, 2013

Three Engineering Technology Scholarships—\$3,000 each

Applications due May 1, 2013

Six Regional and University-Specific Scholarships—\$3,000–\$5,000 each

Applications Due December 1, 2012

11 Undergraduate Engineering Scholarships—\$3,000–\$10,000 each

Applications Due December, 2012

Scholarships are awarded for the academic year following the application deadline beginning with the fall semester. For a list of available scholarships, complete eligibility requirements, and an application, visit [www.ashrae.org/scholarships](http://www.ashrae.org/scholarships)

# Now is a Good Time to Get More Involved in 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](mailto: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 8 for local opportunities or contact any Board member (listed on page 2).**

# Dayton ASHRAE Needs You!



**Wanted:** Individuals to step up and work on the Dayton Sustainability Project.

Qualifications: Willingness to work with others to set up his year's sustainability project.

**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.

**Wanted:** Newsletter editor to work with Lorraine Kapka and maybe assume full responsibility next year.

Qualifications: Access to Publisher and Adobe Acrobat a necessity. Takes just a few hours a month. Will train if you have the software.

Each of these positions requires just a few hours a month. Please contact President Jason Gillespie ([jasondavidgillespie@gmail.com](mailto:jasondavidgillespie@gmail.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](mailto: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](mailto:Lorraine.Kapka@Sinclair.edu)

# Volunteers Needed

## Ready to Give Back to YOUR Industry?

Dayton ASHRAE needs members to work on committees.

Contact Jason Gillespie at:

[Jasondavidgillespie@gmail.com](mailto:Jasondavidgillespie@gmail.com)

# 2012-2013 ASHRAE RESEARCH Dayton ASHRAE

## Contribution Form



2011-2012 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](mailto:jscott@ashrae.org)

January 10, 2013

## ASHRAE Seeks Input on Revisions to Data Centers in 90.1 Energy Standard Scope

ATLANTA – Addendum cs to ANSI/ASHRAE/IES Standard 90.1-2010, Energy Standard for Buildings Except Low-Rise Residential Buildings, is open for advisory public review from Jan. 4-Feb. 3, 2013. The addendum proposes changes to definitions for computer rooms and data centers in Standard 90.1 to create a distinction between facilities covered by 90.1 and those which are intended to be under the scope of ASHRAE Standard 90.4P, Energy Standard for Data Centers and Telecommunications Buildings, proposed by ASHRAE in late 2012. The definition proposed for computer rooms more closely aligns with ASHRAE Standard 100, Energy Efficiency in Existing Buildings, and the U.S. Energy Information Administration’s Commercial Building Energy Consumption Survey (CBECS). In addition, the definition is consistent with Uptime Institutes’ “Tier Standard: Topology” and the Telecommunications Industry Association ANSI/TIA-942 class rating for low-risk Tier I data centers. High risk data centers such as those designed as Tier II or greater per ANSI/TIA942 or ones with mechanical cooling system redundancy are expected to be covered by the 90.4P standard now under development.

Steve Skalko, chair of the Standard 90.1 committee, said with the development of Standard 90.4P feedback is needed from the industry to clarify the scope and definitions of each standard. Energy conservation requirements for high risk data centers, initially covered by Standard 90.1-2010, are expected to be detailed in the 90.4P standard. Computer rooms, which can include low-risk data centers, would remain under the scope of Standard 90.1. “The costs and approaches used in determining appropriate HVAC applications used to achieve energy efficiency are different,” he said. Computer rooms, which by the proposed definitions include low-risk data centers, are usually associated with electronic equipment spaces that are not considered risks and therefore money is typically not spent to install levels of component and systems redundancies. Computer rooms may be ancillary functions and add loads in a larger building and often are served from the same central cooling plants.

Computer rooms are designed to provide local data processing and information storage for in-house end users and clients, which the owner has deemed very low risk. Risk choices are made to reduce total life cycle costs associated with not only system selection and operation, but potential failures, business interruptions, continuity plans and overall company specific business model features like staffing requirements, according to Skalko. By comparison, data centers designed as Tier II or greater per ANSI/TIA942 or ones with mechanical cooling system redundancy carry more risk, he said. Industry studies indicate downtime associated with such risk can cost tens of thousands of dollars a minute, with the potential to negate both past energy savings and future business viability in a single act. The demand for data centers has grown, as the electronic equipment needs have evolved with the huge demand for data processing services and storage in the age of digital devices. A data center has the function to support the electronic equipment that commonly provides services to outside or external clients, hence the heightened awareness of risk and risk mitigation approaches employed. Data centers can support everything from an individual enterprise all the way to hosting services on the internet and must provide maximum operational run time on a 24-7 basis. These facilities are built with multiple levels of component redundancy, providing at least an N+1 mechanical cooling capacity redundancy, if not greater, as well as operational resiliency (increased staffing hours and expertise), Skalko said. To comment or to learn more, visit [www.ashrae.org/publicreviews](http://www.ashrae.org/publicreviews).

ASHRAE, founded in 1894, is a building technology society with more than 50,000 members worldwide. The Society and its members focus on building systems, energy efficiency, indoor air quality, refrigeration and sustainability within the industry. Through research, standards writing, publishing and continuing education, ASHRAE shapes tomorrow’s built environment today. ###



Welcome to [ASHRAEJobs.com](http://ASHRAEJobs.com)  
Your source for HVACR  
Engineering Careers





\$500 SCHOLARSHIPS\*

Dayton Chapter

Promoting the Art and Science of Heating and Air Conditioning in the Miami Valley!

STUDENT APPLICATION FOR ASHRAE / DAYTON CHAPTER SCHOLARSHIP

(Please Type)

Name of Student: \_\_\_\_\_ Date of Birth: \_\_\_\_\_ Mo. Day Year

Permanent Address: \_\_\_\_\_

Phone: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_

Fax: \_\_\_\_\_

Name of and Relationship to Dayton Chapter Member: \_\_\_\_\_

Student's Country of Legal Residence: \_\_\_\_\_

College/University Attending: \_\_\_\_\_

Major and Minor (if applicable) Field of Study: \_\_\_\_\_

Student's Year in College: \_\_\_\_\_

Indicate expected month and year of college graduation: \_\_\_\_\_

Signature \_\_\_\_\_ Date: \_\_\_\_\_

The following attachments must be included:

- 1. A personal recommendation from a faculty member of the school that the student is attending that describes the student's academic standing, character, and contribution to the Industry.
2. Current transcript.
3. A 100-200 Word Statement from the student explaining why the student wishes to study a discipline that relates to the Construction Industry.
4. List of Activities / Outside of the Industry and University
5. List of Activities associated with Industry and/or University
6. List the Degree(s) for which the scholarship will apply

Application must be postmarked by January 31, 2013 and should be mailed to:

ASHRAE, Dayton Chapter
PO Box 3202
Dayton, OH 45401



# *Research Promotion Honor Roll 2012-13*

## **Corporations**

**PLATINUM** (\$1000 or more)

*Dayton ASHRAE Chapter*

**GOLD** (\$500 or more)

*Waibel Energy Systems*

**SILVER** (\$250 or more)

**BRONZE** (\$150 or more)

*Allied Supply Company, Inc.—Dayton*

## **Individuals**

**HONORS** (\$100 or more)

<i>Jeremy Fauber</i>	<i>Dennis Lammlein</i>
<i>Tom Ferdelman</i>	<i>Russ Marcks</i>
<i>Jason Gillespie</i>	<i>Steven Meier</i>
<i>Lorraine Kapka</i>	<i>Evan Nutt</i>
<i>Michael Kennedy</i>	<i>Bob Patterson</i>
<i>Bruce Knapp</i>	<i>Jake Taylor</i>
<i>Kyle Kurtz</i>	

**HONORABLE MENTION**

*Steffens-Schultz*

*Kyle Schroeder*

Concurrent with the ASHRAE Winter Conference . . .



**FREE  
REGISTRATION**

[www.ahrexpo.com](http://www.ahrexpo.com)

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- Over 1,700 Exhibitors
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- 2013 AHR Expo Innovation Awards

*Expo co-sponsored by ASHRAE and AHRI and held at the Dallas Convention Center, Dallas, TX.*