



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

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

Road Trip!

“Hop in the Van, Stan (& Sue & Tom)

Tour Milton-Union’s new energy-efficient school

NOTE CHANGED MEETING LOCATION

Waibel Energy Systems (Trane)

815 Falls Creek Drive Vandalia, OH 45377(937) 264-4343

5:00 PM—Presentation on Project

5:30 PM—Carpool to Milton-Union

7:00 PM—Dinner and presentation back at Waibel



Members: Free

Students: \$10

Guests \$20



RSVP by Thursday, March 8, 2012 to Jeremy Fauber at
jpfauber@heapy.com or 224-0861

COMING EVENTS:

- ◆ **March 15—Dayton ASHRAE BOG Meeting — 8 AM Heapy Engineering**
- ◆ **April 9—Dinner Meeting, Engineer’s Club**
- ◆ **April 19—DOAS Webcast, Heapy Engineering 1-4 PM**

ASHRAE

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President's Monthly Brief:



I'd like to congratulate Russ Marcks of Sinclair on his award of a \$5,000 grant for Primary-Secondary Hot Water and Chilled Water System Design & Installation project.

For those of you who don't know, Russ is also the Chapter Student Activities Chair and if anyone has any interest in speaking at a Sinclair or UD meeting on a topic regarding HVAC or your role in the industry, please contact Russ. Russ will become the Region V RVC for Student Activities in June.

And congratulations to Rory Roberts of Wright State University, who received a \$1870 grant for a Heat Powered Demonstration Chiller. Three grants were awarded in Region 5 and the Dayton-area schools got two of them!

On April 19th from 1-4 pm, ASHRAE will host a Dedicated Outdoor Air System webcast. This is a once a year event that is always led by the best and brightest that ASHRAE puts together. The Chapter is going to host this at Heapy Engineering. If anyone from the North wants to have a little less of a drive, please contact me by the 1st of April so we can plan on hosting here at Wat-Kem, also. As always see more information later in the newsletter.

This month's meeting is shaping up to be a great tour. We'll be touring the Milton-Union K-12 building. Dave Waibel has graciously opened his training office to us for the presentation before the visit and a follow-up presentation and dinner following the tour. We'll have a good old fashioned caravan to the school from Waibel Energy Systems. I promise we won't decorate cars or hang streamers off your mirrors. No open toed shoes—bring a hard hat if you have one.

Mark your calendar for the golf outing on May 10th at Heatherwoode—only 2 short months away!

Steve Meier, Dayton ASHRAE President

Look for Dayton ASHRAE History on page 3!



The Student Zone

Check it out on page 6!



Research Promotion Notes:
If you don't see your name on the Honor Roll on page 4, we do not have your ASHRAE Research Contribution yet for this chapter year. Use the form on page 9 to send in your contribution today!

\$5404.65 to date!

Dayton ASHRAE History Returns!

Jack Kolb Passed away Oct 2, 2010. Jack was an active Dayton Member of ASHRAE, a talented Consulting Engineer and an avid Fisherman. This represents a review and update on Jack as it appears in his ASHRAE History File.

Jack Kolb was President of Dayton ASHRAE from 1974 to 1975. Dayton ASHRAE continued to hold its meetings at the Carillon Cafeteria. Jack received a Mechanical Engineering Degree from Ohio University in 1959, and worked at Newport News Ship Building and Firestone Rubber in Akron before moving to Dayton in 1960 and working at WPAFB as a Heating and Air Conditioning Engineer. He left WPAFB and joined the Consulting Engineering firm of Ahart and Associates in 1966. Jack and Tom Ferdelman worked together at both Wright Patterson and Ahart's.

Jack opened the Mechanical and Electrical Engineering Department at Lorenze and Williams in 1970. Lorenz and Williams was founded in 1927, became an AE firm by offering Structural Engineering and was incorporated in 1980 when the name was changed from Lorenz, Williams, Lively, Likens and Partners to LWI. Jack became a partner in 1978 and was involved in the decision to renovate and move into the beautiful historic Old Post Office in 1980. L&W was a very well respected AE firm in the Dayton area and throughout the US. They provided Architectural, Structural and PME services for a multitude of well known buildings including NCR Headquarters, Metropolitan Life Headquarters, Gem Savings Building, Children's Medical Center, Kettering Hospital Addition, St Elizabeth Hospital Addition and Victoria Theater. They also designed buildings for Sinclair, UC, UD, Wright State Xavier and Toledo University. Jack joined the firm of Heapy Engineering in 1991 and retired in 1998. He remained active in ASHRAE through 2004 as part of the Telephone Committee. Lorenz Williams and Lorenz Williams Clinton announced a new name of LWC incorporated in 2010. They are presently located in the McCormick Building at 434 E First Street in Dayton Ohio 45402.

Below are notes from Tom Ferdelman on the January visit to the Packard Museum:

The Citizens Motorcar Company

Dayton's Packard Museum

1/13/12

Our Holiday Dinner with our spouses at the updated Packard Museum, a former "Packard Sales Facility," was another great ASHRAE party. The event was catered by Mamma Disalvo's and the food was fantastic. The Museum is located in Downtown Dayton at Ludlow and Franklin Streets just across the street from the old Chaminade High School that I attended from 1950 to 1954 and the now updated Chaminade Julianne High School. The Packard sales floor opened for business in 1917 and was still open for business in the early 50s, I did not visit the facility, as I had no money while in high school to purchase a new car, much less an expensive Packard.

In spite of the snow, approximately 60 members of Dayton ASHRAE, their spouses and friends attended the much improved Packard Museum that Dayton ASHRAE last visited in 1999, when Dave Patterson was President. They presently display 60 to 70 beautiful Packard's with lots of Associated Pictures and History.

The Host Historian for the Museum gave a very short talk about the History of Packard. I felt the History would be of interest to all local ASHRAE Members, so I made a copy and present it here.

"William and James Packard made their first car in 1899 in their plant in Warren Ohio. It had a single cylinder engine developing 9 horsepower. From the beginning they were determined to build the best quality car in the United States and most people believed that they did. They adapted the slogan "Ask the Man who owns one."

In 1904 their famous race car, the Grey Wolf, set a World record of 77 miles per hour. In 1911 they moved their factory to a new 33 acre facility in Detroit. In 1914, the price of a Packard was \$6,100 while the model T Ford was selling for only \$300.

In World War I the company developed the Liberty aircraft engine and used it in biplanes and Blimps. During the 1920's Packard sold more luxury cars than all of the other luxury car companies put together. In spite of the huge profits the company made before the 1929 crash, the depression caused Packard to lose many millions of dollars. The company made a remarkable comeback in 1935, when they offered a medium priced car to the public, which generated a lot of income.

During the 2nd World War Packard made the Rolls Royce Merlin engine that was used in Spitfires, Mustangs and Lancaster Bombers. These were great contributions to our victory in WW2.

Packard came out of the war in the black, but in 1952 they appointed a new CEO, named Jim Nance, who tried to completely remake the company, getting rid of many Packard executives who had been with the company for many years. This was the beginning of the end and due to many mistakes including a merger with Studebaker Motor Company and other very bad financial decisions, Packard closed their doors in 1956, resulting in the end of America's greatest luxury automobile."

Tom Ferdelman, Dayton ASHRAE Historian

Research Promotion Honor Roll 2011-12

Corporations

PLATINUM (\$1000 or more)

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
Lorraine Kapka
Kyle Kurtz*

*Dennis Lammlein
Frank Mauro
Steven Meier
John Patterson
Richard Pavlak
Jake Taylor*

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

Dayton ASHRAE Announces New Student Membership Program:

ASHRAE Student Membership: CHECK

Dayton ASHRAE Student Membership: Huh?

Dayton ASHRAE currently sponsors student ASHRAE members at local meetings for only \$10 a meeting. Sign up for a Dayton student membership for \$20 and come to the next 4 meetings free (that is a “Black Friday” special price of only \$5 per meeting). Email Larraine.kapka@sinclair.edu for a student membership form or make reservations for the next meeting and pay the membership fee at the door!

Pay now—save later!

University of Dayton Student Chapter has new President!

Dustin Pohlman can be reached at pohlmand3@udayton.edu. Drop him a line of congratulations. Dustin—hope to see you at our next meeting!



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

January 30, 2012

2011 version of the Green Standard Now Available from ASHRAE, USGBC, IES

ATLANTA – Changes to help make buildings and systems more sustainable are part of the newly published version of the high performance green building standard from ASHRAE, the U.S. Green Building Council (USGBC) and the Illuminating Engineering Society (IES)

ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, Standard for the Design of High-Performance, Green Buildings Except Low-Rise Residential Buildings, provides a green building foundation for those who strive to design, build and operate high performance buildings. It covers key topic areas of site sustainability, water-use efficiency, energy efficiency, indoor environmental quality and the building's impact on the atmosphere, materials and resources. When first introduced in 2009, the standard was the first code-intended commercial green building standard in the United States.

“Since Standard 189.1 was first published, we have received much input from the industry offering suggestions on how to strengthen it in all areas,” chair Dennis Stanke said. “This 2011 version incorporates much of that input. More importantly, the 2011 version incorporates updated connections to its referenced standards – primarily ANSI/ASHRAE/IES 90.1-2010 and ANSI/ASHRAE 62.1-2010. Compliance with these updated provisions will result in further improvements to indoor environmental quality, while further reducing energy use and environmental impact through high-performance building design, construction and operation.”

The most significant change in energy-related provisions results from new requirements in ANSI/ASHRAE/IES Standard 90.1-2010, Energy Standard for Buildings Except Low-Rise Residential Buildings, adding to and superseding requirements in the 2007 version. In October 2011, the U.S. Department of Energy found that the 2010 version of Standard 90.1 contains significant energy savings over the 2007 standard. The energy savings in the Standard 90.1-2010 provisions also result in energy savings for building projects complying with Standard 189.1, according to Stanke.

In addition, mandatory and prescriptive renewable energy requirements were clarified to reduce confusion and simplify calculations; now both mandatory provisions to prepare for on-site renewable energy and provisions to produce prescribed levels of renewable energy must be met. Additionally, buildings that meet the prescriptive requirement for renewable energy production are now deemed to comply with the mandatory requirement for renewable energy site-preparation.

The standard also updates the performance option for energy efficiency (Appendix D) so that it refers to Appendix G of Standard 90.1-2010, which is now a normative appendix. Appendix G of 90.1 applies to projects seeking to reduce annual energy cost more than would be possible by merely meeting the requirements of that standard. Appendix D in Standard 189.1, on the other hand, provides a performance option for compliance as an alternative to the less-complex prescriptive option; it must show that the project design results in annual energy cost equal to or less than would be possible by meeting the mandatory plus prescriptive requirements of the standard, according to Stanke.

Additional changes to the 2011 standard include:

- More stringent Lighting Power Density allowances due to the change in reference to Standard 90.1-2010. Both interior and exterior values are now set as a percentage of the Standard 90.1 allowances, based on building, space or area type.
- Automatic controls are now required for lighted signs visible during daytime hours; controls must reduce the lighting power to 35 percent of full power. For other outdoor signs, automatic controls must now turn off lighting during daytime hours and reduce the lighting power to 70 percent of full power after midnight.
- Open-graded (uniformed size) aggregate and porous pavers (e.g., open-grid pavers) qualify as a hardscape surface for heat island mitigation with no further testing. Permeable pavement and permeable pavers must meet a minimum percolation rate rather than a minimum solar reflectance index (SRI).

Standard 189.1 is currently a jurisdictional compliance option in the International Green Construction Code developed by the International Code Council, ASTM International and the American Institute of Architects.

The cost of ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, Standard for the Design of High-Performance, Green Buildings Except Low-Rise Residential Buildings, \$119 (\$99 ASHRAE members).

To order, contact ASHRAE Customer Contact Center at 1-800-527-4723 (United States and Canada) or 404-636-8400 (worldwide), fax 404-321-5478, or visit www.ashrae.org/bookstore.



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!



New - Duct Fitting Database Version 6.00.00

Updated Version Offers Easy Viewing, Input and Navigation

This database CD includes loss coefficient tables for more than 200 round, rectangular, and flat oval duct fittings.

Featuring pictorial outlines of each fitting, this CD is useful to design engineers dealing with a variety of duct fittings. For any given fitting, users enter the flow rate and fitting information and obtain loss coefficient data and associated pressure loss.

The CD includes printable table data for supply, exhaust, and common (supply/return) duct functions. Fittings may be saved into a project file, which is easily navigated using a pop-up window and is small enough to be stored and transferred. An "Explorer" view gives the user an integrated graphic view of all fittings and headings.

This 6.00.00 version includes an integrated database; fully available input, output, calculations, and table data properties; and easily viewable calculations that update in real time.

Looking for simultaneous user options? [Multiple-user licenses](#) for this product are also available.

ASHRAE Duct Fitting Database Version 6.00.00

ASHRAE / 2011 / CD-ROM
\$199 (ASHRAE Member \$169)

Get the Updated App for your iPhone, iPod, or iPad

ASHRAE Duct Fitting Database (DFDB) for the iPhone, iPod touch, and iPad allows you to perform pressure loss calculations for all 235 ASHRAE duct fittings in both I-P and SI units. Use this mobile app in the field for quick duct pressure loss calculations. The inputs can be adjusted by touch, and installation is automatic. [Purchase this product from iTunes for \\$19.99](#)

The Standards:

Standard 120-2008 -

Method of Testing to Determine Flow Resistance of HVAC Ducts and Fittings

[LEARN MORE](#)

Standard 126-2008 --

Method of Testing HVAC Air Ducts and Fittings

[LEARN MORE](#)

Also Available

[ANSI/ASHRAE Standard 68-1997 -- Laboratory Method of Testing to Determine the Sound Power in a Duct \(AMCA Standard 330-97\)](#)

[SMACNA - HVAC Systems - Duct Design, 4th Ed.](#)

[SMACNA -- HVAC Duct Systems Inspection Guide, 3rd Ed.](#)



Please do not reply to this email (emb@taco-hvac.com) as we are unable to respond to messages sent to this address.



Make Your iPhone Smarter with the Free Taco iPhone Pump Selection App

Now you can select the right Taco pump for any job, any time, anywhere, with the latest version of the free Taco iPhone Pump Selection app available for immediate download from the [Apple iTunes store](#).

The latest update improves the app in several ways:

- ◆ Easier to use.
- ◆ Supports portrait and landscape views.
- ◆ Enables you to drill deeper into individual pump selections.

The iPhone Pump Selection app v1.0.1 provides 95% of the functionality of the original [Pump Selection Wizard](#) on the Taco website.

- ◆ Select pumps based on user-specified flow and head conditions.
- ◆ Quickly, easily search from virtually anywhere there's an Internet connection.
- ◆ Email selections from inside the app.
- ◆ Access and search the complete Taco document library containing product catalogs, instruction sheets, wiring diagrams, etc., online at www.taco-hvac.com.
- ◆ Email or call Taco Tech Support from within the app.
- ◆ Find a Taco sales representative.

Please visit the [iTunes store](#) to download the free Taco Pump Selection iPhone app.

For more on Taco products, tech support and a variety of online Wizards, please visit the Taco website, www.taco-hvac.com.

Thanks for your interest.

Tim Smith



Quarterly/Spring NEWSLETTER

March 2012
Volume 3
Issue 6

Inside this issue:

- DRC Report
- Region V Treasurer
- ARC Report
- History
- Resource Promotion
- Membership Promotion
- Chapter Technology Transfer
- Student Activities

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Director and Regional Chair (DRC) Report by: R. Lee Millies, Jr., P.E., LEEP AP

I hope everyone is doing well and is surviving the winter. As most everyone knows we have just completed the ASHRAE Winter Meeting in Chicago. This was a historic meeting for ASHRAE in several ways. First as you can see from the news letter we have a new updated logo and tag line for ASHRAE which was introduced during the opening plenary session of the meeting. Second it was the largest AHR Expo in history with over 430,000 S. F. of exhibit space and approximately 2000 exhibitors. ASHRAE also established a scholarship fund in memory of our past Society President Lynn Bellenger. We also had a very successful Region V dinner at the Winter Meeting with over 30 members and guests attending (thanks to Rick Zbin for arranging the dinner). I hope many of you were able to take advantage of attending the meeting and if not, I hope you plan to attend the Annual Meeting this June in San Antonio, TX.

In regards to the new ASHRAE logo, all Chapters have been contacted requesting which color they want their name on the logo. Once you have selected one of the four available colors, return your selection to headquarters and they will prepare your Chapter logo for future use. Please note this will be the only acceptable Chapter logo. You are not allowed to create your own version of the logo (please refer to the "logo guidelines" on the ASHRAE website for acceptable use of the logo and tag line). Chapter's have until July 1, 2012 to convert to the new logo. Please make sure you select your color and return it to headquarters as soon as possible (if you haven't already done so).

We are more than half through the Society year and I hope all your Chapter activities are going well. Please make sure everyone is updating and entering your activities in the PAOE section of the ASHRAE website, also if you have not had a chance yet make sure you visit the new and updated ASHRAE website. They have done a great job and you should find it much easier to navigate.

I would also like to remind all Chapters that it is time to be setting your leadership for the 2012/13 Society year. Please make sure you have all officer and committee chairs filled and their information input in the CIQ (Chapter Information Questionnaire) by the end of April. We will be holding President-Elect training for all 2012/13 incoming Chapter Presidents April 27, 2012 in Fort Wayne, IN. We will also be holding a Regional planning meeting the evening before the training on April 26. Please make sure you plan on attending these important meeting. I will send out detailed information shortly.

I want to thank all Chapters who have already paid the Regional dues and remind all those who have not to please do so as soon as possible.

Our 2012 CRC will be in Cleveland, Ohio this year Aug. 9th -11th. The Host CRC Committee is well underway in their planning and are promising a fun and informative CRC. Please put the date on your calendar and make plans to attend. CRC's are a great way to meet your fellow Region V members, share ideas, receive training, attend technical sessions and have fun socializing. Hope to see everyone there.

(continued next page)

The CRC is also the time we nominate Regional officers, recommend members for honors and awards, recommend members for Society officers and committees and can bring motions forward to help improve our Society. Please consider people in your Chapter to bring forward for these positions and honors, also consider motions you think we should bring forward to help improve how Society operates. One of the Regional positions we are still in need of is a Region V YEA Representative. If you would be interested in this position or know someone who might be interested please contact me.

In conclusion, please continue working on completing your goals and activities for this year and start your planning for next year. As always, please contact me if you have any questions or if there is anything I can do to help you or your Chapter.

Thank you again for all you do for ASHRAE, Region V and your Chapter.



Region V Treasurer by: Monte Troutman, Region V Treasurer

A huge thank you to the 7 Chapters who were fast to pay their regional assessment. With their payments, our regional account has a current balance of \$18,924.19. There are still several RVC's and Regional Officers who haven't submitted their request for reimbursement for Chicago meeting, so that number will decrease some.

It was great to see so many of the Region V smiling faces at our regional dinner in Chicago. I hope to see each & everyone of you in San Antonio. It's just a few short months away!



A reminder to all Chapters that the Region will cover the \$300 registration fee for two individuals to attend the YEA Leadership Weekend. See www.ashrae.org/yealeadershipweekend for additional information.

Assistant Regional Chair (ARC) Report by: Richard A. Zbin

I hope everyone who attended the Winter Conference in Chicago had a good time.

of the Cleveland Chapter and he will inform you what is required by Ohio.

The attendance at the regional dinner on Sunday night was great with 32 people from our region attending. The dinner was held at the Park Grille in Millennium Park. Thanks to Lee's power of persuasion, we were able to catch the playoff game between NY and the Giants on a big screen TV during the dinner.

Be safe and file even if you think you do not have to. The cost to restore your chapter's status is costly and you lose the ability to have companies or individuals sponsor your events with the promise of a tax deduction. If you have any questions on taxes, please give Lee or myself a call and we will try to help you or direct you in the right direction.

I would like to remind all chapters as tax time approaches to file their tax forms for both the Federal government as well as their state if required. A few of our chapters in Region V have found out the hard way what can happen if you do not by having their 501 (3) (c) status revoked by the IRS. This usually does not occur unless you do not file for 3 consecutive years. In Ohio there is also a requirement to file with the state; I am not sure about Michigan or Indiana. If you have any questions about Ohio, you could contact Shawn Beres

Finally, I hope to see everyone at the Region V CRC being held in Cleveland, Ohio in August this year. They are planning a great event with talk of the Friday night dinner being held at the Rock and Roll Hall of Fame with full access to the Museum.



Region V History by: Thomas Ferdelman, Region V Historian

HISTORY INFORMATION:

With the new ASHRAE Web site, I have added some long overdue Region V History. I am sure that most of you can find the data on the web, but just in case: Go to Society Groups, Committees, Historical Committee, History Documents and Regional History's, REGION V timelines: "Under this I have added three Region V History items."; 1) Chapter Charter Dates. 2) Time line info; This includes History data from 1956 to 2012, including Names of Regional Chairman, and Regional Directors and #3 Region V BIBB Awards. I have a lot more history data, that I will be sending to the Historical Committee for adding to Region V History, before my final year as Regional Historian is completed.

HISTORY PAOE:

With the new ASHRAE Web site complete, I was finally able to add History PAOE Points. I added 100 points to the eight Chapters that had Chapter historians attend the history Workshop at the CRC in Indianapolis. I also added 50 points, if you have not already done so, to the nine chapters, for your History display at the CRC. My goal is for all chapters is to reach the Minimum of 100 points.



Resource Promotion Committee Report by: Derek Crowe, RP RVC

As we approach the two-third point of our Research Promotion Campaign, Region V continues an upward trend. We are currently 22.6% ahead of last year's campaign and I am optimistic we can make our regional goal of \$115,000 for the first time in years.

I would like to acknowledge Dan Rademacher of the Western Michigan Chapter for leading the way this year and having his chapter campaign 540% ahead of last year's pace! Dan is currently only \$1,200 from meeting his goal and setting a new high five! High five is the greatest level of chapter donations in the past five years.

Also, Dan Deno of the Northern Indiana Chapter is currently 315% ahead of last year's goal and is over 50% toward his goal and high five! Dennis Lammlein of the Dayton Chapter is currently 125% ahead of last year's goal and is nearly 50% toward his goal and high five! Nice work guys!

To reach all of our goals and support the advancement of ASHRAE through Research, I encourage all chapters to hold a Research Promotion Night at their March and April meetings and schedule calling campaigns. Spending 5-10 minutes at the chapter meetings to recognize the current donors and discuss the benefits of ASHRAE Research will earn 25 PAOE points each time and inspire additional donors. Calling campaigns with the help of the volunteer committee and board of directors are very successful. A simple reminder to last year's donors and quickly reconnecting with previous donors is generally all that is needed.

Thank you again to all the chapter chairs for their dedication this year. I am excited to see Region V exceed its goal!



Membership Promotion Report by: Douglas Fick, PE, LEED AP BD+C, PMP, MP RVC

Peace of Mind is not something I had associated with ASHRAE membership. Technical expertise is definitely one of the top benefits. The handbook and standards are often referenced, then networking, information sharing, recognition, etc., but the other day it was peace of mind that my membership provided. As a healthcare

engineer, being in an operating room is nothing special, but the other day I was visiting as the patient, not the expert. So what is everyone's last image of the operating room prior to surgery, the ceiling! This is one of the few times that everyone looks up, rumor has it most HVAC engineers always look up much to the

amusement of their friends. Based on their arrangement, the person who designed the room was familiar with ASHRAE and that gave me peace of mind. Later I thought of all of the members involved in that ceiling: the Technical Committee who determined that research should be done on their placement, the RP chair that requested the donation for yet to be identified research, the member who contributed, the Society committee who approved, the researcher who performed and then back to the Technical Committee for placement in a standard and or handbook. The cycle continues with the local chapter whose members were educated on the information and then integrated that into their standard practice.

While the operating room maybe extreme, we are provided peace of mind in all of the buildings that ASHRAE affects. The greater society trusts the information that our membership supports. Only with a strong membership does the system work.

As an additional note, the first Centralized Training session for 2012-13 MP Chairs will be June 24, 2012 at the La Quinta Inn in San Antonio, Texas from 8 a.m. to 5 p.m. This will be during the Annual Meeting of Society which runs from June 23 thru 27. Please make your plans to attend.



Chapter Technology Transfer Committee Report by: Rob Laneve, CTTC-RVC

To represent our Region V CTT committee, in January I attended the Annual ASHRAE Winter Meeting in Chicago. Our CTTC Committee had great updates from the technology and energy consultants, refrigeration consultants, government affairs, and a representative from the Technology Council. The ASHRAE Certifications group also provided an update. Here are some highlights from the various presentations:

- ASHRAE has issued over 1000 Certifications based upon the current offerings
- Research projects are at an all-time high!
- 90.1-2013 is targeted to provide 50% energy savings vs. 90.1-2004
- Work is being completed on an ASHRAE Wiki!
- Your home creates twice as much pollution as your car!
- THE NCEES has drafted a model law for implementation in 2020 that requires a Masters degree to obtain a registered P.E. license.
- A record number of 37 Technology Qwards were submitted to Society for judging in September 2011.

I have had a couple of chapters inquire about submitting Technology Award applications. This is very exciting and I encourage all chapters to consider a submission. As you prepare your submission, please be aware of the following deadlines:

April 30--deadline for chapter to submit Technology Award application to RVC for Regional judging

May 15th--submitters notified of Regional judging results

July 31--deadline for 1st Place Regional Award winners to submit long form application that will be forwarded to Society level competition. Remember, one year's worth of operating data must be used in your society submission.

Sept 1--deadline for submission to Society level competition; RVC to submit.

Thank you to all chapters that have utilized the DL Program this year! As we close out the ASHRAE year, please remember to update your CTTC PAOE points!



Student Activities Report by: Douglas Zentz, RVC Student Activities

I hope your chapter participated in the National Engineers' week and introduced some form of engineering to young students and potentially those young minds which may not have thought of engineering as a career choice. If you did not participate, it's not too late to give of yourself and maybe affect the life of a young person. I urge you to look to the resources within ASHRAE and talk to students about what we do in the HVACR world. I find that once young kids find out our industry is connected to the energy and environmental issues of the world; plus, the building industry is the low hanging fruit for improved national energy efficiency and lower environmental impacts; they typically are amazed at how our industry can really affect the world around all of us. Our biggest challenge is getting the message out! So I urge you to do your part, make it a "to do" item on your personal list to go talk to "one classroom" over the next 3 months. It's not difficult and I suspect you will find it very rewarding, so give it a try.

Another great advantage to being the RVC for Student Activities is to see what great work is being done in many wonderfully institutions of higher learning across the country. ASHRAE gives out Educational Grants each year and Region V has had some success obtaining some of these grants as we have 2 such grants awarded within our region recently. First, Russell Marcks at Sinclair Community College in Dayton was awarded \$5,000 for his proposal entitled "Primary-Secondary Hot and Chilled Water System Design and Installation". I am sure Russell will utilize this grant to further enforce the learning outcomes of proper Hydronic design for Sinclair's students (way to go Russ). Also, George Nnanna at Purdue University-Calumet was awarded \$4,994 for his proposal entitled "Refrigeration and Heat Pump Teaching System". I have personal knowledge of this proposal as I visited the Northern Indiana chapter in October of last year where George explained this proposal to chapter and student members. Here is where I learned local suppliers were also involved with donations to this project could actually happen. Through these efforts students of the Mechanical Engineering

program at Purdue-Calumet will be exposed to hands-on learning of the Refrigeration System, this is a wonderful thing as most kids learn via hands-on experiences (touching, doing, and seeing). Thank you for anyone involved so these grants could happen.

The final topic I wish to illustrate is make sure you are going to your PAOE reporting page and entering the actual activities you are doing throughout the year. I recently looked at several chapters for any reporting and I did not see much activity. I encourage all SA chairs to try and do this a few times before the end of June! Also, remember that the first line within the Student Activities PAOE is an equation (must be as we are engineers) and many miss out on real potential here for PAOE points. This equation should include all funding your chapter participates in for any student related expenses; therefore, if you reduce your monthly fee for students the savings to the students is actually an expense you can report in this area. The same thought goes for any other student support your chapter may provide, so when you use the PAOE form, try to remember all of those little things which add up (it's like doing your taxes – the little deductions add up).

My final thought is I would like to say thank you to everyone I have met through my service as the Region V RVC for Student Activities. I will officially roll off as RVC this summer and the coming quarter is my final time as your RVC. I have thoroughly enjoyed representing Region V at the Society level. I would also like to thank everyone in the Fort Wayne chapter for inviting me to speak last December at their luncheon meeting and the Northern Indiana chapter for my visit last October. I will be visiting the Evansville chapter in March and if time allows I would like to make an Ohio visit before the end of June. We have great chapters and wonderful members who make visiting a lot of fun, thanks again.



ASHRAE Learning Institute 2012 Spring Online Course Series

2 WAYS TO REGISTER

Internet: www.ashrae.org/onlinecourses

Phone: Call toll-free at 1-800-527-4723 (US and Canada) or 404-636-8400 (worldwide)

Note: You may register up to 24 hours prior to an online course. Courses are in US Eastern Standard Time.



District Cooling & Heating Systems

Mon, March 19, 2012 – 1:00 pm to 4:00 pm ET

Basics of Combined Heat & Power

Wed, March 21, 2012 – 1:00 pm to 4:00 pm ET

Evaluating the Performance of LEED®-Certified Buildings

Wed, March 28, 2012 – 1:00 pm to 4:00 pm ET

Commissioning Process & Guideline 0

Wed, April 4, 2012 – 1:00 pm to 4:00 pm ET

* Complying with Standard 90.1-2010: HVAC/Mechanical

Mon, April 9, 2012 – 1:00 pm to 4:00 pm ET

* Complying with Standard 90.1-2010: Envelope/Lighting

Wed, April 11, 2012 – 1:00 pm to 4:00 pm ET

* Take both Standard 90.1 courses and save 20% on the price of these courses



The following courses are comprised of two parts. Registrants must attend both parts in order to receive CEU/PDH credits. Archiving is available.

Humidity Control: Principles and Applications – Part 1

Mon, March 26, 2012 – 1:00 pm to 4:00 pm ET

Humidity Control: Principles and Applications – Part 2

Mon, April 2, 2012 – 1:00 pm to 4:00 pm ET

Implementing ASHRAE Standard 189.1-2009 – Part 1

Mon, April 16, 2012 – 1:00 pm to 4:00 pm ET

Implementing ASHRAE Standard 189.1-2009 – Part 2

Thurs, April 19, 2012 – 1:00 pm to 4:00 pm ET

Integrated Building Design – Part 1

Mon, April 23, 2012 – 1:00 pm to 4:00 pm ET

Integrated Building Design – Part 2

Wed, April 25, 2012 – 1:00 pm to 4:00 pm ET

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HVAC Design: Level I – Essentials

May 21-23, 2012

ASHRAE's HVAC Design: Level I - Essentials workshop provides intensive, practical education for designers and others involved in delivery of HVAC services. Developed by industry-leading professionals, the workshop provides participants with training design to accelerate their evolution into effective member on a design, construction or facilities maintenance team. Gain the fundamentals and technical aspects to design, install and maintain HVAC systems.

HVAC Design: Level II – Applications

May 24-25, 2012

ASHRAE's HVAC Design: Level II - Applications workshop provides advanced instruction on HVAC system designs for experienced HVAC designers or those who completed the HVAC Design: Level I Essentials workshop. Gain an understanding of system design incorporating the application of Standards 55, 62.1, 90.1 and 189.1.

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- Building Energy Modeling Professional (BEMP)
- Commissioning Process Management Professional (CPMP)
- Healthcare Facility Design Professional (HFDP)
- High-Performance Building Design Professional (HBDP)
- Operations & Performance Management Professional (OPMP)

For more info, visit
www.ashrae.org/certification

April 19, 2012 1:00 PM-4:00 PM EDT

Dedicated Outdoor Air Systems: *A Path to Balancing Energy and IEQ*

Hear leading experts discuss the role of Dedicated Outdoor Air Systems in the overall HVAC system and describe various DOAS equipment configurations, characteristics, and applications. This webcast will identify common design and operational pitfalls, and cover challenges unique to DOAS.



Presenters



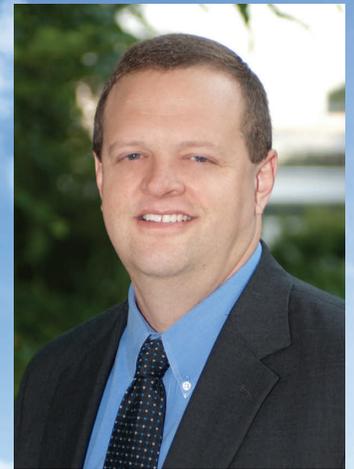
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