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

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

Sustainability Knows No Borders!

2011 ASHRAE Annual Conference
June 25-29, 2011
Montreal


Save the Date!
Dayton Green Expo
August 4, 2011

Coming Events:
♦ Dayton ASHRAE BOG Meeting — July 21, 2011
  8 AM Heapy Engineering
♦ Region 5 Chapters Regional Conference:
  August 12-13, 2011, Indianapolis
President’s Monthly Brief:

June is the end of my term as the Dayton ASHRAE President. First, I would like to do some formal “Thank You’s”: I would like to point out to the membership that the Officers, Board of Governors, Committee and sub-committee members did an outstanding job of supporting the Chapter and the goals we set for the year. They were an outstanding group to work with and I greatly appreciate the support.

Second, I would like to thank the membership for supporting the Chapter, meetings and the events we held throughout the year. I would like to thank those of you that are supporting the activities of the student chapters. Just as a reminder we now have two student chapters: The Miami Valley Chapter that meets at Sinclair Community College and the University of Dayton Chapter.

The 2011-12 ASHAE Presidential theme is: Sustaining ASHRAE through Leadership. This theme highlights the role ASHRAE members play in sustainable design and practices. To this end, the board will be developing our 2011-12 programs during the July and August Board meetings. Please join in on the board meetings, we are always looking for new ideas.

Please extend the same support to our incoming president, Steve Meier, that you always gave to me.

New UD Student Chapter President:
Brad Turnwald, MEE Senior with Energy Systems Concentration
Brad.turnwald@gmail.com
419.230.5145

Research Promotion Notes: Multiply your Research Contribution Impact!
Make a research contribution through the ASHRAE Foundation of at least $2000 and the foundation will make a research contribution in your name annually of 5% of the original amount. You and the chapter get credit for both the original contribution as well as the annual contributions every year! Go to http://foundation.ashrae.biz/ for more information.

Contributions for 2010-2011: $10,494.

Donation form on page 6
Air Conditioning Systems Engineer – Emerson Climate Technologies, Inc. – Sidney, OH

Emerson Climate Technologies, a business of Emerson, is the world’s leading provider of heating, air conditioning, and refrigeration solutions for residential, industrial and commercial applications.

Position will provide systems analysis, simulation modeling, and test validation related to fixed and variable capacity HVAC systems, and the control algorithms related to these systems. This effort will support the launch of new advanced technology compressors and electronics as well as technical support to help customers successfully apply new and existing scroll compressors into newly designed HVAC systems. Will perform cost, value and performance analyses of AC and heat pump systems and sub-systems involving current and advanced compression and applied HVAC components. Travel 10%.

Requirements:
Masters Degree in Engineering related to thermal sciences required plus a minimum of 3 years relevant HVAC system experience. A PhD in Engineering is preferred. Candidate must have strong and demonstrated experience related to modeling, simulation, and testing of HVAC systems. Must be proficient in general theory and heat transfer and thermodynamic analysis of reversible vapor compression cycle and associated HVAC components. Knowledge of simulation modeling of thermal devices and control algorithm is required. Must have PC based computer skills including familiarity with programming languages (C++, Visual Basic, etc), data acquisition system and simulation software. Knowledge of Psychrometric Room operation and systems performance testing desired. Familiarity with Variable-Capacity system technology and System Fault Diagnosis would be a plus. Must have excellent written and verbal communication skills and a passion for engineering.

Apply online at http://www.emersonclimate.com.

Emerson Climate Technologies, Inc. is an equal opportunity employer. If you need an accommodation to assist you with applying for jobs at Emerson Climate Technologies, please call 937-498-3016.

Save the Date!
Dayton Green Expo
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Interested in a committee assignment with Dayton ASHRAE?  Contact our incoming President Steve Meier at 573-3072 or smeier@watkem.com.  You’ll be glad you did!
On May 12th, the 2011 ASHRAE / Dayton Chapter provided fun for 88 golfers and 3 additional dinner attendees. Somehow the sun broke through the clouds, and the rain held off—despite the wet spring. Heatherwood Golf Course once again provided a great golf venue and a good dinner buffet afterwards for everyone. To start the day, Solid Blend Technologies donated a hot dog lunch for our group. The Heatherwood course is a good location, not only because the golf pro and staff are very accommodating to what we need, but also because the course’s location is able to attract golfers from Cincinnati as well as Dayton.

The outing also was successful financially. This year we had 21 sign sponsors, in addition to the 88 golfers. This was three more than last year. The money that we made for the Research fund was approximately $4,271.00.

This year the first recipient of the Dayton Chapter’s new scholarship was also announced. Jarret Kelley a University of Dayton grad-student was awarded the very first $500.00 scholarship. Jarret’s credentials were very impressive. The Dayton Chapter has allowed for two $500.00 scholarships to be awarded. Jarret’s application was the only one received. All members are encouraged to look for additional candidates next year, as the chapter would like to encourage students to become members of our industry. The mulligans that were bought at the golf outing provided $315.00 towards the scholarship fund.

Thanks to all who participated, helped with the organization and set-up, and especially those who financially supported the outing with gifts and signs.

ASHRAE / Dayton Chapter 2011 Golf Chairman

Frank A. Mauro / Heapy Engineering
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: Larraine.Kapka@Sinclair.edu

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: Larraine.Kapka@Sinclair.edu

Ready to Give Back to YOUR Industry?
Dayton ASHRAE needs members to work on committees.
Contact Steve Meier at:
smeier@watkem.com
2010 was a banner year for ASHRAE with the publication of 90.1-2010 and Standard 189. The Dayton Chapter again met their goal to raise money for research last year. With so much work to do to reach ambitious energy consumption reduction goals, more research is needed than ever before! You can help make the difference!

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): ________________________________

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!
ASHRAE Makes Guidance on Green Buildings Easily Accessible in eBook Format

ATLANTA – ASHRAE has published its first ever eBook for use on the Apple iPad.

The third and latest edition of “ASHRAE GreenGuide: The Design, Construction and Operation of Sustainable Buildings” is now available in an eBook format to allow iPad users convenient access to the book’s guidance, which covers each stage of the building process, from planning to operation and maintenance of a facility, with emphasis on teamwork and close coordination among interested parties. The eBook follows ASHRAE’s latest mobile apps on duct fitting databases and Standard 62.1, Ventilation for Acceptable Indoor Air Quality.

The GreenGuide eBook includes embedded links to other sections of the book and to graphics and relevant web pages.

“We want people to have access to ASHRAE guidance wherever they are, without having to carry around a hardback book,” Sheila Hayter, chair of the organization’s Publishing and Education Council, said. “With the release of GreenGuide eBook, detailed information on the design of high performance buildings is as close as one keeps their iPad.”

The GreenGuide eBook is available as a download in Apple’s iBooks store for $39.99 and requires the iBooks app.

ASHRAE, founded in 1894, is an international organization of some 50,000 persons. ASHRAE fulfills its mission of advancing heating, ventilation, air conditioning and refrigeration to serve humanity and promote a sustainable world through research, standards writing, publishing and continuing education.
Dayton Chapter ASHRAE
http://www.daytonashrae.org

Membership Application and Roster Information 2010-2011

____________________________________________

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, 2010 and ending June 30, 2011 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!
Spring has arrived in Region V (I hope) and we are starting the last month of the 2010/11 Society Year.

There is much to do as we work to successfully complete this year. All Chapters should be working on the following:

- All officers and committee chairs should review their PAOE point summary on the ASHRAE web site and input all activities not reported yet.

- Make a final push to collect Research Promotion contributions. All contributions must be delivered to ASHRAE HQ before 6/30/11 to count toward this year.

- Plans should be made to attend the 2011 Region V CRC in Indianapolis August 11-13. Make sure your Delegate and Alternate have been selected and listed in your current CIQ.

  • Prepare any motions your Chapter wishes to bring forward at the CRC.

  • Start preparing your Chapter Summary Report to be presented at the CRC.

  • Prepare a list of candidates to bring to the CRC for Regional and Society offices, standing committees and members to be proposed for ASHRAE awards.

- Make sure all Officer, BOG and Committee Chair positions have been filled for the upcoming 2011/12 Society year. Enter this information in your CIQ (Chapter Information Questionnaire) on the ASHRAE web site. This MUST be completed no later than 6/30/11.

- Conduct a Chapter planning meeting to review the successes and difficulties of this year and set goals for the coming year. Plan all Chapter programs for the coming year.

- Make plans to attend the 2011 Society Annual Meeting June 25 - 29 in Montreal, Quebec, Canada. Our Region V dinner will be on Monday, June 27. Please plan to attend.

Since our last newsletter a number of activities have occurred in our Region.

- President Lynn Bellenger made visits to Columbus, Akron/Canton, Cleveland, Toledo and Detroit Chapters. We want to thank her for taking the time to visit our Region and I want to thank all the Chapters for their courteous and enthusiastic treatment of our Society President during her visit.

- I was able to attend Toledo, Detroit and Western Michigan (Kalamazoo and Grand Rapids) Chapter meetings. Thank you all for your hospitality.

- We conducted a Regional Planning Meeting on April 28, 2011 in which twelve (12) Regional Officers and President-Elects convened to discuss plans for the coming year.

- We conducted our 2011/2012 President-Elects training workshop on April 29, 2011. We had 9 of our 13 chapters represented. Thank you to everyone who attended and those who made presentations.
Director and Regional Chair (DRC)
Report (continued from page 1)

The Central Indiana Chapter CRC Committee continues to finalize plans and make arrangements for what is shaping up to be a great CRC in Indianapolis. I had the opportunity to meet with the committee in April to review their progress and to tour the meeting Venue – Crown Plaza at Union Station. I encourage everyone to plan to attend August 11-13th, 2011.

Our Region is still looking for a young member (35 or under) who is interested in becoming more involved in ASHRAE at a Regional and Society level to be our Regional Representative to the YEA (Young Engineers in ASHRAE) Committee. Anyone interested should contact myself or Doug Fick MP-RVC for more information.

As we close out this Society year, I want to encourage everyone to finish strong and thank all of those who have served their Chapters as officers and committee members.

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

As we move towards closing out the 2010-11 ASHRAE year, our Region 5 CTTC chapter chairs can be proud of another successful year. Many chapters took part in our Distinguished Lecturer program; the Columbus, Cleveland, Toledo, and Detroit chapters hosted our Society President Lynn Bellenger; the Detroit chapter submitted projects for the technology award judging and the Dayton and Evansville chapters consistently submitted updates and announcements regarding their meetings. Thanks to all CTTC Chairs for a job well done!

My chapter visits this year included the Columbus, Toledo, and Detroit Chapters. Thank you to each chapter for your hospitality and cooperation. During the 2011-12 campaign I hope to visit different chapters within our region.

As a final reminder, please remember to update your chapter PAOE points prior to June 30! And as we prepare for next year, all chapter Presidents are reminded to have their CTTC Chairs in position and ready to go on July 1st. Although I was not able to attend the President Elect meeting, I am sure the incoming Chapter Presidents are aware of the tasks at hand. Pre-planning and thoughtful preparation of your programs and the CTTC Committee will make for a great year for your chapter. If I can be of any help to any chapter please feel free to call.

In closing I hope to see all CTTC Chairs represented at the upcoming August CRC in Indianapolis….see everyone then!

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It was good to see several of the incoming chapter presidents at the President-Elect Training Meeting in Ft. Wayne last month. Nice to finally put some names & faces together. For those of you that missed the meeting, several good topics were highlighted. Make sure you touch base with one of us who were there if you need to be brought up to speed.

In preparing for your upcoming year, I want to remind each of you that your chapter is assessed $5 per area assigned member (not just dues paying members) to be used for regional expenses. For instance, if your chapter has 100 area assigned members, then the chapter is responsible for paying the region $500. This money is used to cover regional travel expenses of the DRC, ARC, RVC’s & other regional officers… as well as covering other expenses incurred by the region throughout the year.

Spring is here, and we have had plenty of rain in the Region and so far our RP campaign for this year is more than half way there!

First, our region total is $53,665.80 (532 donors), of a $115,000 goal. This is a tremendous turnaround from last quarter, almost double the donations, and 4 times the donors. This is the time when our RP’s are calling the Major Donors. As with any repeating gift, it has been through their working relationships with these donors that have kept them involved. I’d like to specifically recognize the following RP’s and their chapters for continual success with Major Donors:

Denny Lammlein of the Dayton Chapter – Emerson Climate Technologies - $5000!
  *10+ years of being a Major Donor!

Kris Haycook of the Cleveland Chapter – Mussun Sales - $1500!
  *9 years of being a Major Donor!

Andrew Yonka of the Detroit Chapter – R L Deppmann - $1200!
  *7 years of being a Major Donor!

The incoming chapter president & chapter treasurer will be receiving an assessment letter about a month prior to the CRC. I would ask that the delegate bring that check with them to CRC & I will collect them at that time.

Speaking of CRC, make plans to join us in Indy this August. Each of the chapter officers & committee chairs will receive valuable training, as well as learning from others mistakes & success’ which will be shared throughout. If your chapter treasurer cannot attend the training, please make plans for someone to attend for them. It’s one thing to just read the handouts, but it’s another to experience the discussions, questions and answers. I look forward to seeing you all there!

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It is apparent from the increase in donors that our RP’s have been following the campaign schedule as coordinated by Society to truly get much needed results. I received an email from Denny after my last newsletter, saying he had good news to lift my spirits on the campaign, and to my surprise that was followed by several others.

Finally, I’d like to recognize Rick Zbin and Ann Stockmaster for agreeing to the 10% challenge in Cleveland! What is this you ask? They have agreed to donate 10% of our chapter’s RP campaign, potentially $2500 for the 4th year in a row. These donors are a rare find, and we hope to make them proud of our accomplishments this year, and by proud I mean, a Major Donor!

Thank you to all the RP’s, Board, and Committee members who gave their time to make to put this campaign on track!

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Greetings from your Regional Vice Chair of Student Activities. I am sure if you think back in your early career or schooling there was something which opened your mind to our industry. Possibly this event centered on a specific person which gave you a moment to pause or think about the world, our environment, or some other point of interest related to what we do! I am sure if you are honest with yourself this person influenced you more than you knew at the time and I am asking you to think about this and see if you can be that person for someone else.

Our industry is shrinking every day, as more of us retire, there are fewer young people getting into our industry, it’s a fact! There are fewer students getting into Engineering and Technology related degree programs each year here in North America and this translates into fewer young people entering career fields centered on Engineering and Technology.

ASHRAE is a big sponsor of the National STEM (Science, Technology, Engineering, and Math) Program in our K-12 Educational Systems and the success of this is largely based on volunteers who offer to go into the classrooms and talk about careers which use STEM. Anyone can get involved, there is no special requirement to this and from personal experience I can tell you most K-12 teachers are thrilled when someone volunteers to come into a classroom and talk to students. This is especially true when you wish to talk about Science and Technology based topics (most K-12 teachers are not strong in these areas).

Here is the pitch, if we (as a Society) could all just do this one time it would make a tremendous difference in the lives of many young people. ASHRAE has a great resource for this to help volunteers as well. Under the “Student Zone” tab of ASHRAE’s website there is a large listing of resources you can use in a K-12 classroom. Based on experience, here is what you would need; you only need to actually talk to students for about 10-15 minutes and give them a small slice of what you do or what our industry is all about, then tie a fun activity what you are talking about. Here is where the resources within the ASHRAE website will help as ASHRAE has grade appropriate activities for you to use. An example may be taping a balloon to a straw where a string goes though the straw and you tie the string to the ceiling at one end and hold the string close to the floor at the other end. Then blow up the balloon and have races with the balloons to see which one gets to the ceiling first. This racing activity would then be explained as the static forces within the balloon (air pressure) being converted into air velocity pressure as the air rushes out of the balloon and the resulting static air pressure within the balloon lifts the balloon to the ceiling. I know this is a simple exercise, but that’s the fun here and if the kids can understand this you could then explain how this and other relationships are what we do in our jobs!

I encourage all chapters to think about how these types of activities by volunteers could make a big difference in your area and the future of our industry!

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Indianapolis is an interesting town in the month of May, particularly since it is the 100th anniversary of the Indy 500. The excitement builds through the entire month, celebrities grace our streets and we garnish the national spotlight. It is funny how sport imitates life. We are all racing through the month of May getting ready for the holiday, the summer and closing out the ASHRAE year. Most Chapters have had their last meeting and I am sure your committee is breaking down your door for new tasks, but this is a very important time for membership promotion. A majority of members will renew in the next few months, students are departing school and starting new jobs (let's stay positive). Reach out and talk to your members that are delinquent to remind them of the benefits of membership in our organization which is over 100 years old. Work with YEA to reach out to the employers and the students they hire.

There are discounts for students and younger staff to join make sure they take advantage of this opportunity.

This period is important as it sets the foundation for next year. You have elected the next leaders and will be setting next year's program. Planning for the Chapter Regional Conference is ongoing and we are also planning the Membership Promotion Centralized Training which will occur in September.

If there is a leadership change in your Chair, plan the hand off of information and if possible help out next year as their first committee member.

Have a great summer and thanks for your work to improve ASHRAE.

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

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