



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

Dayton Chapter

Trends in Buildings and Energy Simulation

**ASHRAE Distinguished Lecturer:
DRURY B. CRAWLEY, PH.D.**

Director, Building Performance Products
Bentley Systems, Inc.

Note:
Different Day and Time!

Tuesday, March 15, 2011

3:00 PM

Engineer's Club of Dayton
110 East Monument Avenue

Cost:

Members: free

Student ASHRAE members: \$10

Non-members: \$20

Main program, 3:00—5:30 with snacks at intermission
and reception to follow. Bar opens at 5:30.

2 PDH available

**RSVP: By Thursday, March 10, 2011, 12 noon to
Jeremy Fauber at JPFauber@heapy.com or 224-0861.**

More details, page 3!

COMING EVENTS:

- ◆ Dayton ASHRAE BOG Meeting — March 17, 8 AM Heapy Engrg.
- ◆ April 11: ASHRAE Standard 90.1 Update
5:00 Tech Session (1 PDH), 6:00 Dinner & Main Program (1 PDH)
- ◆ April 20: ASHRAE Webcast at Sinclair, 1-4 PM, 3 PDH
- ◆ May 12: Golf at Heatherwood—details coming soon!

ASHRAE

2010-2011 OFFICERS

President

Rick Pavlak 224-0861
Heapy Engineering
rpavlak@heapy.com

President-Elect

Steven N. Meier 573-3072
Wat-Kem Mechanical
smeier@watkem.com

Treasurer

Jason Gillespie 513-475-3811
Elitaire
jgillespie@elitaire.com

Secretary

Gordon Schweitzer 224-0861
Heapy Engineering
GDSchweitzer@heapy.com

Past President

Jeremy Fauber 224-0861
Heapy Engineering
jpfauber@heapy.com

Committee Chairs

Membership

Greg Cohron 513-673-6664
Ramsay-Cohron
gcohron@rcme.com

History

Tom Ferdelman 224-0861
Heapy Engineering
tferdelman@ymail.com

Newsletter Editor

Lorraine Kapka 512-4501
Sinclair Community College
Lorraine.kapka@sinclair.edu

Research Promotion

Dennis Lammlein 859-6323x147
Signature Technologies
dlammlein@woh.rr.com

Student Activities

Russell Marcks 512-2053
Sinclair College
Russell.marcks@sinclair.edu

CTTC

Mike Kirchens 513-475-3807 or
937-776-7304
Elitaire
mkirchens@elitaire.com

Webmaster

Russell Marcks 512-2053
Sinclair College
Russell.marcks@sinclair.edu

Board of Governors

Frank Mauro 224-0861
Heapy Engineering
famauro@heapy.com

Greg Cohron 513-673-6664
Ramsay-Cohron
gcohron@rcme.com

Lorraine Kapka 512-4501
Sinclair Community College
Lorraine.Kapka@Sinclair.edu

President's Monthly Brief:

Mark your calendars and send in your reservations NOW for the March meeting. We moved the day to Tuesday and the time to 3:00 to book an ASHRAE Distinguished Lecturer who lead the U.S. Department of Energy's team working to achieve cost-effective net-zero energy commercial buildings by 2025 and was responsible for managing the DOE's building energy software tools development activities including EnergyPlus and Open Studio plug-in for Google SketchUp. **You will not want to miss the presentation!** His talk on the topic of "Trends in Buildings and Energy Simulation. This is a perfect time to join with Dayton AIA to find out what is going on in the world of building energy tracking, simulation and design. Since he flies out early Tuesday evening, we will have a 3:00 program with snacks at intermission and a reception (with a cash bar) to follow. Earn 2 PDH's for the afternoon.

Last month we spent exploring the world of BIM and were joined by students from the Universities of Cincinnati and Dayton and Sinclair Community College. Special thanks to the Sinclair faculty members (Associate Professors Charles Setterfield and Eric Dunn and Adjunct Professors Mitch Blankenship and Mark Wiley) for their informative demos of the Revit software, and thanks to the Sinclair students who were on hand to help out.

Several members of the University of Dayton Student Chapter went to Las Vegas for the Winter Meeting and show. UD Chapter Secretary has written a reflective piece on their experience—you can find it on page 5 of this newsletter.

The close of our year is fast approaching, which means we will be seeking individuals to fill officer and committee positions within the chapter. We are in specific need of both a new Secretary and a new Treasurer. Please consider stepping up and offering your support with a few hours of work a month. If you like where the chapter is headed, help keep it going that way. If you would like to see something different, get involved and help steer a new course. Remember – the chapter is only as strong as its members! Contact next year's President, Seven Meier, smeier@watkem.com to express interest or for more information.

Rick Pavlak PE, LEED AP

Research Promotion

Notes:

Dayton Chapter Receives

Major Donation:

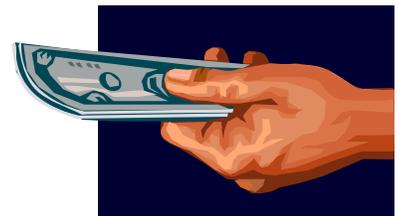
Emerson Climate Technologies has once

again donated \$5000 to ASHRAE Research!

Maybe your company can't do \$5000, but what about \$500? \$250? \$100? Every little bit helps as we work to meet our research promotion goal!

Contributions for 2010-2011 to date: \$9543.94

Donation form on page 7.



Trends in Buildings and Energy Simulation

The buildings industry faces many challenges and opportunities over the next few decades. The buildings touted today as ‘most energy-efficient’ or ‘green’ would not be possible without energy simulation—but no single simulation tool can model all aspects of our buildings today. Over the next ten years, changes in building technology—particularly wireless controls and solid-state lighting—will profoundly alter how our buildings are designed, built, and operated. This presentation provides an overview of trends and drivers affecting the building industry as well as the simulation tools of tomorrow. The presentation will also provide an introduction and overview to building simulation, including reference building models derived from CBECS and their use in developing and testing ASHRAE Standards 90.1 and 189.1. An overview of the structure and requirements of Standards 90.1 and 189.1, the expected energy savings by commercial building type, and the energy savings targets over the next few years.

Questions:

What are the specific trends affecting buildings and building simulation today?

What is most important when performing energy simulation?

Are there resources for determining what a typical ‘new’ and ‘existing’ building should be using in terms of energy?

How are new versions of energy standards 90.1 and 189.1 changing – requirements, stringency, etc.

What are the expected energy savings for the newest versions of these standards?

DRURY B. CRAWLEY, PH.D.

Director, Building Performance Products

Bentley Systems, Inc.

Dr. Crawley leads the development of software for building performance and sustainability at Bentley Systems including AECOSim Energy Simulator, Hevacomp, Tas, and AECOSim Compliance Manager. Prior to joining Bentley Systems in 2010, he lead the U.S. Department of Energy’s team working to achieve cost-effective net-zero energy commercial buildings by 2025 and was responsible for managing the DOE’s building energy software tools development activities including EnergyPlus and Open Studio plug-in for Google SketchUp.

With more than 30 years of experience in buildings energy efficiency, renewable energy, and sustainability, he has worked in government research and standards development organizations, as well as building software, design and consulting companies. A registered architect, he also has a PhD in Mechanical Engineering on the topic of building simulation as a policy tool from the University of Strathclyde in Glasgow, Scotland.

He is active in ASHRAE (Chair of Standard 169 *Weather Data for Building Design Standards*, member of SSPC 189.1 *Standard for the Design of High-Performance, Green Buildings Except Low-Rise Residential Buildings*, member of SSPC 140 *Standard Method of Test for the Evaluation of Building Energy Analysis Computer Programs*, member of the Technical Activities Committee, former member of the Research Administration Committee, and former chair of TCs 2.8, 4.2, 4.7, and 7.1). He was made an ASHRAE Fellow in 2009, received an ASHRAE Distinguished Service award in 2003 and a 1999 Symposium Best Paper Award for “Which Weather Data Should You Use for Energy Simulations of Commercial Buildings?”

He is also active in AIA, IBPSA, USGBC (former member of the Research Committee and the Energy & Atmosphere TAG), and serves on the editorial boards of three international Journals. He has written more than 100 papers and articles and made more than 300 presentations on energy efficiency, sustainability, and renewable energy topics throughout the world.

Dayton ASHRAE 2010-2011 Schedule

September 13, 2010: Young Engineers in ASHRAE,
Lunch Meeting, 11:30 at the Engineer's Club

October 11, 2010: AHRI Update, Engineer's Club

MEMBERSHIP PROMOTION NIGHT

5:00 Tech session on Equipment Selection (1 PDH)

6:00 Dinner, AHRI Update (1 PDH)

November 8, 2010: Using CFD in HVAC, Engineer's Club

RESEARCH PROMOTION NIGHT

STUDENT NIGHT

5:00 Tech session, Modeling Dorm Room Airflow (1 PDH)

6:00 Dinner, CFD Modeling Tools (1 PDH)

December 13, 2010: Daylight Modeling, Engineer's Club

Co-sponsored by IFMA

11:30 Lunch (1 PDH)

January 22, 2011: Holiday Party at Sinclair Community College

February 21, 2011: BIM, Sinclair Community College

STUDENT NIGHT

PROGRAM DATE & TIME CHANGE!

5:00 Tech session, Hands-on Revit workshops (1 PDH)

6:15 Dinner, BIM Update (1 PDH)

March 15, 2011: Building Energy Modeling, Engineer's Club

Co-sponsored by AIA PROGRAM DATE & TIME CHANGE!

3:00 Technical Program, (2 PDH)

5:00 Reception

April 11, 2011: 90.1-2010, Engineer's Club

MEMBERSHIP PROMOTION NIGHT

5:00 Tech Session, Applying 90.1 (1 PDH)

6:00 Dinner, 90.1-2010 Update (1 PDH)

April 21, 2011: ASHRAE Webcast, Sinclair Community College

1:00—Geothermal Heat Pumps (3 PDH)

May 12, 2011: Golf Outing

BOG Meetings: 3rd Thursdays of the month, 8 AM, Heapy

9/16, 10/28, 11/18, 12/16, 1/20, 2/17, 3/17, 4/21, 5/19, 6/16



Reflections on the Winter Meeting

A student's Perspective, by UD Chapter Secretary, Evan Nutt:

First of all, having the Winter conference in Las Vegas was a great idea from a student perspective because of the city's attractiveness to younger generations. The student congress' decision to put all of the student members in the Riviera at a discounted rate was nice because it allowed for an easier means of student networking and it did not break the bank. The activities list focused on the student members was definitely a nice touch. While I was not able to make it to very many of the events due to work related commitments, I did touch base with some of the other students who attended from the UD Student Branch and their experience was nothing short of positive. They found the Technical Tour of City Center to be very interesting, the Society's Presidential Address to be informative, and the YEA student event to be a great way of networking with fellow students interested in the HVAC/energy efficiency industry. I was able to represent the UD Student Branch in this year's student congress, which was a very productive meeting regarding the students' input within the society. We discussed fund-raising ideas for student branches, ways of attracting new student members, possible adjustments to the student event list, and many other important topics regarding the students' role in ASHRAE. The seminars and technical sessions were great. While scheduling all of one's preferred sessions can be tricky at times, attendance to as many seminars as possible is very beneficial. The AHR Expo was HUGE! I personally spent two days at the expo and could have spent even more time covering the exhibitors. The expo is a great way of seeing new products with the industry, meet with potential employers, and network with fellow ASHRAE members. Overall, the 2011 ASHRAE Winter Conference was an amazing experience. The UD Student Branch will definitely start fund-raising earlier in the year to ensure the attendance of as many students as possible because of the known benefits of going.

A follow-on note by ASHRAE Students Activities Committee Member Lorraine Kapka:

This is the second student program I have been a part of and the attendance and student response was nothing short of AMAZING! There were over 400 students in attendance from all over the world, the largest groups being from Leeds, England (40 students) and Penn State and Kansas State (about 25 each). There were students from such far-flung places as Croatia and Thailand, making this a truly international meeting. I was especially impressed with the students enthusiasm for the technical programs - , including the fact that so many showed up for the student program at 8AM on Sunday morning. If this is an indication of the future, ASHRAE will be in very good hands for many years to come!



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

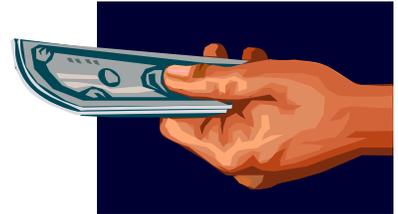
Ready to Give Back to YOUR Industry?

Dayton ASHRAE needs members to work on committees.

Contact Rick Pavlak at:

RPavlak@Heapy.com

2010-2011 ASHRAE RESEARCH Dayton ASHRAE



Contribution Form

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!



For Release:

March 2, 2011

Contact: Amanda Dean
Public Relations
678-539-1216
adean@ashrae.org

User's Manual Provides Guidance on Ventilation Standard, New 'Must Have' Spreadsheet

ATLANTA –The newest guidance for using Standard 62.1-2010 includes a revised, user-friendly spreadsheet and examples, as well as the latest updates pertaining to the new version of the standard.

The 62.1 User's Manual provides explanatory material, detailed information, figures and examples to guide users in designing, installing and operating buildings in accordance with ANSI/ASHRAE Standard 62.1-2010, Ventilation for Acceptable Indoor Air Quality, which sets minimum ventilation rates and other requirements for commercial and institutional buildings. Also highlighted is the application of useful tools used for compliance with Standard 62.1-2010, including a newly revised spreadsheet that assists in Ventilation Rate Procedure calculations. The spreadsheet provides calculations for the multiple spaces procedure and has been significantly improved, made more user friendly and now includes two example spreadsheets focusing on cooling and heating.

"The spreadsheet and new examples have been revised in response to user feedback and have much improved usability," Roger Hedrick, chair of the Standard 62.1 committee, said. "The spreadsheet should significantly reduce the effort needed to perform the calculations needed for multizone recirculating systems. The spreadsheets are a must have for designers."

The Manual encourages users of the standard to apply the principles of good indoor air quality and effective ventilation when designing buildings and building systems, and provides useful reference material to assist designers in efficiently completing a successful and compliant design.

The cost of the 62.1 User's Manual is \$75 (\$64 ASHRAE members). To order, contact ASHRAE Customer Service at 1-800-527-4723 (United States and Canada) or 404-636-8400 (worldwide), fax 404-321-5478, or visit www.ashrae.org/bookstore.

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.

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ASHRAE
Webcast

Save The Date
April 21, 2011

ASHRAE jobs

The Official Jobs Board for the American Society of Heating, Refrigerating and Air-Conditioning Engineers

Welcome to ASHRAEJobs.com

Your source for HVACR Engineering Careers



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!



Join Us!
May 12, 2011

ASHRAE GOLF OUTING

Heatherwood Golf Course

Springboro, Ohio

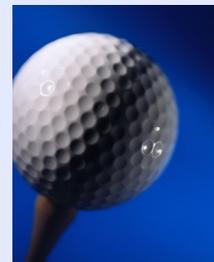
Think WARM
Think GOLF!!!!

SAVE THE DATE

More Information to Follow
Soon

REMINDER

**Proceeds go to
ASHRAE'S
Research Program**





REGION V NEWSLETTER

Inside this issue:

- DRC Report
- Chapter Technology Transfer Committee
- Resource Promotion Committee
- History
- Membership Promotion
- Student Activities Report

Region V Website

www.region5.ashraeregions.org

Region Officers:

Lee Millies, Jr., DRC
lee@rlmrlm.com
(219)924-8400

Frederick Betz, ARC
fbetz@pedcoea.com
(513) 782-4927

Monte Troutman, Treasurer
troutman@bceng.com
(801)424-7941

Doug Fick, MP-RVC
dfick@bsalifestructures.com
(317) 819-7878

Douglas Zentz, SA-RVC
douglaszentz@ferr.edu
(231) 591-3083

Dominic Cacolici, RP-RVC
dcacolici@karpinskieng.com
(216) 391-3700 ext 3052

Robert Laneve, CTTC-RVC
rl@aircontrolproducts.com
(440) 526-3020 ext 1410

Richard Zbin, Web Master
rzbin@tecinc1.com
(216) 953-8760

Thomas Ferdelman, Historian
tferdelman@ymail.com
(937) 224-0861

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

Welcome to the Region V Newsletter. I hope everyone is surviving the Midwest winter and looking forward to spring.

As everyone knows, the Society Winter Meeting held January 29 thru February 2nd was recently completed. This was one of the most successful Winter Meetings ever. Some highlights included:

- 3,400 attendees at the conference (25% higher than 2010)
- AHR Expo - 54,000 participants
- Technical programs - nearly 300 sessions
- 20 Educational courses
- 600 Meetings of technical, standard and standing committees.

As you can see, there is a lot that goes on at Society meetings with numerous opportunities to be involved and receive continuing education. I hope many of you are planning to attend the Summer Meeting in Montreal, Canada (don't forget if you are planning to attend this meeting you will need a current passport birth certificates/drivers licenses are no longer accepted).

We would also like to congratulate the Lawrence Technology University, Southfield, Michigan, Student Team of Carolyn Lamb, Ryland Phelps and Amy Rose Keyzerof who were awarded first place in the ASHRAE Student Design Project competition in the category of "Integrated Sustainable Building Design." We commend these students and their advisors for their efforts and the honor they bring to their University and Region V.

Plans continue to progress for our 2011-12 CRC in Indianapolis this August. Please

start making plans to attend and encourage all Officers and Committee members to do the same. It is also time to start planning for the new Officers and Committee members for the coming year. Don't forget all Chapter Information Questionnaires (CIQ's) need to be completed by June. We will be planning our President-Elect training this year for April in Fort Wayne, IN. Additional information on this meeting will be distributed once details are finalized.

I also want to remind all Chapter Officers and Committee Chairs to keep up with their PAOE reporting. From reviewing Chapter Newsletters sent to me, there are great activities and education opportunities being provided by our Chapters and we need to make sure these activities are reported.

Our Region is also honored to host Society President Lynn Bellenger, who is scheduled to visit and make presentations to several of our Chapters later this month. Currently, President Bellenger is scheduled to visit Columbus, Akron, Cleveland, Toledo and Detroit Chapters. This is a great opportunity and I hope many of you will plan to attend one of these meetings.

In addition to the visits by President Bellenger, I plan to visit three Chapters this month, Western Michigan (Kalamazoo/Grand Rapids) - March 21, Toledo - March 22 and Detroit - March 23. I look forward to meeting Chapter members and officers and discuss any issues or concerns you may have.

As we close out the third quarter of this ASHRAE year, I encourage all of you to continue in your efforts to support your

Director and Regional Chair (DRC) Report
(continued from page 1)

Chapter and our Region with the activities that make ASHRAE one of the best professional societies in the world. Without your efforts ASHRAE would not be what it is today.

I hope everyone has a good spring and hope your businesses are doing well.

If you have any questions, suggestions or comments, please contact me.

Thank to each of you for all you do.

Lee Millies



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

As we continue to move through the 2010-11 ASHRAE Year at a rapid pace, our Region 5 chapters have maintained great performance. During the upcoming months our final DL visits will be completed with DL visits to Toledo, Western Michigan/Detroit and Cincinnati.

With the help of a local ASHRAE Member, on January 20, 2011, an industry update on Standard 189.1 was provided for local building owners, architects, facility managers and engineers. This was well attended by approximately 50 attendees. The seminar provided a general overview involving basic knowledge and understanding of standard 189.1. Many guest also reported an interest in further education; we hope to continue our "technology transfer" to the industry with additional training courses.

As Region V CTTC RVC, I attended the ASHRAE Winter Meeting in Las Vegas. We were provided updates from our technology consultants and various other committee members. At each of meetings, it is clearly evident many great people have volunteered their time and expertise to make our ASHRAE Society what it is today. Our organization is fortunate to have so many generous individuals.

In closing, Congratulations goes out to Mr. Derek Crowe of Peter Basso Associates, Inc., Detroit Michigan. Mr. Crowe and his team brought our Region V a Second Place Technology Award for the category: Institutional Buildings - New. His project was the new Ann Arbor Skyline High

School; nice Job Derek. I am sure many others in our region have great projects to showcase...let's get them submitted for a Technology Award! See your Chapter CTTC Chairman for additional information.

My chapter visit to the Dayton Chapter is still trying to be scheduled, but in March I will have the opportunity to visit the Columbus, Toledo and Detroit Chapters to discuss CTTC updates and Technology Awards. All CTTC Chairs are encouraged to download the Presidential Elect Advisory Committee (PEAC) Powerpoint from the CTTC Website. This provides valuable information on current ASHRAE initiatives and should be discussed with your chapters.

From March 21-23, our region has the honor of hosting ASHRAE Society President Ms. Lynn Bellenger. President Bellenger will be visiting the Columbus, Akron, Cleveland, Toledo and Detroit chapters as part of a world-wide Ohio-Michigan Region V Tour! I will be closely involved with transporting Ms. Bellenger between cities and chapters. Each chapter is looking forward to her visit and most have chosen to have Lynn present her presidential theme: "Modeling a Sustainable World." Thank you to President Bellenger for taking the time to visit our Region!



Region V History by: Thomas Ferdelman, Region V Historian

Believe it or not there is only four months remaining for the 2010-2011 ASHRAE Year for PAOE. I have been through the History Points for all Region V Chapters and added the 100 points for the five Chapters "Cleveland, Columbus, Central Indiana, Cincinnati and Dayton" that had History Chairman attending the CRC Workshop in Cincinnati. I also added 50 points to the eight chapters that had history displays at the CRC. Yes, I even gave 50

points, again this year, for only displaying the chapter banner and awards banner. Again to receive the 50 points, you truly should display some item from your chapter history. In addition, I awarded "John Wolfert" of the Central Indiana Chapter, 50 points for being the first chapter to reach 200 points for par. As a new goal for this year and an easy 25 points, publish a short Chapter history item in your Chapter Newsletter.



Resource Promotion Committee Report by: Dominic Cacolici, PE – RP RVC

Back from the Las Vegas Winter Meeting, with concerns for the region, and a few ideas on what to do.

First, our region total is \$31,576 (154 donors), of a \$115,000 goal. The entire campaign is not only in jeopardy of falling below goal, but below 2 million dollars, a goal set several years ago. As stated by the RP chairs, their non-responsiveness to the RVC is due to increasing demands on them at work, and fear that future work is questionable. Given this, they are not following through with the calling campaigns, and it is very evident with the campaign response.

A solution is two fold, first I contacted my DRC to ask for a top down demand on the board to include RP on each month's agenda. By doing this, I have asked that the RP action item for the month is read out loud, and the goals are understood by everyone on the board. Board participation is critical for nurturing the chapter members. Each individual will make their own company aware of the importance of RP in a more connected way than an outside source can penetrate. Hence working from the inside out, and the top down. Second, simplify the means to communicate to the Chapter members; whereas, I suggest a mailing. This simply

thanks them for prior contributions, indicates what those were, and asks if we can count on them again this year. For most people, we simply need to ask, it's the number one reason someone doesn't donate, they just weren't asked.

Last quarter I suggested that a little each month will really add in the end, but now I have to say, a lot each month will just make it. The solutions above will be executed as soon as possible, and I hope to report a turn around next quarter.



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

We have a great group of people working on behalf of ASHRAE in Region V. Numerous changes have been made to improve the leadership skills of these dedicated volunteers. Last fall we implemented centralized training which was located at ASHRAE headquarters in Atlanta, Georgia. This encompassed a full day of training on recruitment techniques, generating and reading the reports, awards, new members, recognition and a host of other topics. With all of this hard work the numbers for Region V are slightly lower than the same time last year.

If you do not have a committee create one, if you have a committee expand it by one person. Creating a team can have its difficulties but it only involves asking. Start with previous leaders in the chapter they are a great source of information and dedication. Look to the membership with a personal touch, there is a reason sales people want to meet in person. Ask them to get involved and immediately give them a small task.

Find the members who have been there two or three years. They have shown their desire for membership but this is where they typically fall off and is also the reason for the PAOE points. Work with your student activities chairperson to locate the students who are moving. If they are moving to another area forward their name for that chapter. Employers will be the best source for members, and probably the most difficult. Reach out to the leadership of these organizations and sell the benefits of membership. For the young members this is an excellent place to learn the basics and obtain the credibility they so desire. Offer programs to reinforce this message. ASHRAE is an excellent leadership development arena, let them make their mistakes with us not your client.

While we are past the halfway point of the year you and your team can make a significant impact. Thank you for all of your efforts.



Student Activities Report by: Douglas Zentz, RVC Student Activities, Associate Professor Ferris State University, HVACR Program Coordinator

Last month we celebrated National E-week and along with this national event there were many ASHRAE student activities, I assume many of our chapters even incorporated some form of student events within your February chapter meetings. However, we can't rely on one such event or one week of celebration to ensure the future of bright young people entering the HVACR industry and ASHRAE. Based on the fact less students nationwide are entering the fields of Engineering and Technology at the Post-High level of education, it is critical that each of our chapters have a dynamic Student Activities Program and Chair. Sadly I must admit that at our past CRC in Cincinnati, we had a poor turnout of SA Chairs for training. Evensadder, was the reply I received from each chapter on Student Activity MBO.

Therefore, I am challenging each chapter to send me a write-up on your chapter student activities to date for the current 2010-2011 year, please include any activities you are still planning to have before July 1st. Also, if you have pictures of any events please send this with a short write-up. I would like to share success stories throughout Region V. If you need any assistance or wish to discuss any of your student activities, please contact (my contact information is below). I look forward to working with each of the SA Chairs, thank you for your continued interest in Student Activities.

