



Quarterly/Spring NEWSLETTER

March 2014

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Director and Regional Chair (DRC) Report by: Richard A. Zbin, H.F.D.P.

Chapter Officers and Committee Chairs should make sure that you are keeping up with your PAOE points. Many times the ASHRAE, RVCs and myself receive questions as to why they are not showing points for certain activities. If we do not know you have done an activity that merits PAOE points, we cannot add them. In many cases, it is up to the chapter to self report these points. They are a good indicator that your chapter is operating effectively and in compliance with ASHRAE standards.

Coming up in April is the annual President-Elect training in Fort Wayne, Indiana.

President-Elects (2014/15-Presidents); Pres-Elec training has been scheduled for Saturday 4/26 from 9am-3:30pm (eastern time) at the Hyatt Place (111 W. Washington Center Rd, Fort Wayne, In 46825 - Coldwater Rd exit #112A on I-69).Lunch will be provided and travel cost will be paid by Society.

We will be having a Region V planning Dinner the night before (Friday 4/25) and all of President-Elects are welcome to attend. Rooms are available for \$99.00/night call the Hyatt at 260-471-8522 for reservations. The Planning meeting will be held at the Cork N Cleaver restaurant (221 E. Washington Center Rd, Fort Wayne, In) starting at 7:30 pm Friday evening (dinner will be provided).

This is also a good opportunity for the President-Elects to meet the Regional Officers that they will be working with.

The Detroit Chapter is working hard to put on an excellent CRC for the Region this August. They are in the final planning stages and should have an announcement of this event out soon. Chapters should be preparing to attend this event. Please visit their web site for more information.

Young Engineers in ASHRAE Report by Roxanne Scott

stem n. the main upward growing axis of a plant (or planet, or profession), having nodes (or places of education) and bearing leaves (or future generations), usually extending in a direction opposite (or beyond) that of the root (or the fundamental theories of science, of art) and above ground, and serving to support the plant (or planet, or profession) and transport food materials (or knowledge, both theoretical and practical); specif. the main trunk (or body of knowledge) of a tree, shrub or any other plant (or planet, or profession) from which leaves, flowers and fruits (and the future) develop.

—Webster's New World, College Dictionary, 4th ed.

(and Sonya M. Pouncy, RVC, Grassroots Gov't Activities)

This March and April, many of our institutions of elementary and secondary education will be holding their annual regional science fairs. These are opportunities for our children to showcase what they have learned in their study of the fundamental sciences on which our profession (and many others) rests.

As children, many of us participated in such science fairs. We selected an experiment to answer a question, bought the necessary materials, and carefully executed it (and sometimes repeated it, if we made a mistake the first time). Remember? Then we set about writing up the report: identified and made plain our hypothesis and objective, enumerated our method of approach with sufficient detail so our experiment could be repeated by others, described our results & analyzing what they meant, then finally drew some conclusion that, we crossed our fingers & hoped, agreed with the what we had learned was true of the universe. And then there were the poster boards and the 3x5 note cards; don't get me started on those!

The point of all this reminiscing is this: do you remember, when it was time for you to make your presentation, how excited you were? How proud you were? How tall you stood? ... And look at you today... Well, now you have an opportunity to help another child, perhaps your own, to feel that level of pride, to stand that tall.

Supporting STEM (science, technology, engineering and mathematics) initiatives is a core objective of both your chapter's Grassroots Gov't Activities and its Student Activities Committees. And you can help both of them now by finding out when your regional science fair is taking place and volunteer to judge.

In doing so, you will create a rewarding experience, for both yourself and the students. They will get to make their presentation to an ear that understands the rigor of scientific pursuit, as well as its many practical applications. And not only will you be invigorated by recalling what it was like to stand in their shoes, you will be edu-tained by seeing how our future is shaping up. You'll be excited and, I daresay, a little proud to come across student projects investigating whether fan speed impacts fan noise or whether underground homes use less energy than above-ground homes. And of course, the many efforts to determine whether cotton, paper, wool, or fiberglass is the better thermal insulator will certainly bring a smile to your face.

So, contact your chapter's GGAC or SAC chair today, find out when your regional fairs are taking place and sign up to be a judge! Not only will you be doing something good for the students and for yourself, you'll also be doing something good for your chapter, something worth PAOE points! What could be better than that?

CTTC Report by: James Arnold RVC CTTC

At the ASHRAE Winter meeting in New York the CTTC Committee received updates from the technology, energy and refrigeration consultants. We also received reports from the Certification Committee, the Professional Development Committee, and the Technology Committee. All these reports can be found at www.ashrae.org/cttc.

Some highlights of these reports are

- There are now over 1700 professionals certified with six programs.
- ASHRAE certified professionals can be found at www.ashrae.org/certification

- ASHRAE Learning Institute continues to be very popular. These courses can be found at www.ashrae.org/alicourses. The CE hours earned may be applied to PR and LEED credentials
- ASHRAE has a new Career Enhancement Curriculum that recognizes individuals who complete a prescribed series of courses in a specific area of study. More information is at www.ashrae.org/careerpath
- The tenth annual CTTC Webcast “Building in Balance: IEQ and Energy Efficiency” is scheduled on April 17, 2014 from 1-4pm.
- 197 Distinguished Lecturer visits have been scheduled for the 2013-2014 year. There are 23 DL’s that have their presentations approved by AIA, GBCI, and New York.
- Forty Technology Award entries were submitted for this year’s Society Level Competition.

As we enter the last part of the ASHRAE year, I would encourage all chapters to consider a Technology Award submission. These are prestigious awards for the engineer who applies as well as the Chapter and Region. The deadline for Regional judging is April 30, 2014.

Thanks to all who have made use of the DL Program this year. I believe that it is one of the most successful programs in ASHRAE.

Membership Promotion Report by: Ted Kussow RVC Membership

ASHRAE is not just for engineers anymore. Contractors, building managers, architects, and other professions are welcome to become members as well. ASHRAE states on their website the following:

“Membership in ASHRAE is open to any person associated with building systems, particularly HVAC&R; energy efficiency; indoor air quality; and sustainability within the building industry.”

Look for ways to grow ASHRAE outside the norm. I have seen a few more product design engineers at chapter meetings. Chapter boards should strive to make chapter meetings relevant to these different professions and get the word out to them so they will attend.

Resource Promotion Committee Report by: Derek Crowe, RP RVC

This year ASHRAE has revised RP to be the contribution source for society. Scholarships have been added to Research, Education (ALI), and Foundation (Endowed Research) as donation opportunities. As an incentive to the newly added category, PAOE was awarded to chapters that achieved their scholarship goal. Congratulations to Columbus, Cincinnati and Dayton for promoting scholarships and meeting their goal!

The next milestone is 30% of goal by 12/30. Shariq Ali of Cleveland, Denny Lamlein of Dayton, and Brian Rockey of Central Indiana have already exceeded 30%! Great job guys!

Remember it is the research program that sets ASHRAE apart from other professional societies and associations of its kind. The Handbooks, standards and technical programs are the results of Research!

The Student Activities Committee Report by Russell Marcks, RVC GGAC

Having just returned from the winter meeting in New York, there a number of things of which you need be aware.

First, Region V did well again this year in Undergraduate Senior Grants. There were 45 submissions for the 2014-15 Grant cycle with 23 projects funded. The four projects funded in Region V are:

Sinclair Community College - Dayton	Development of an airflow system trainer for Testing, Adjusting, and Balancing	\$5000
	Development of control boards to educate students in PID control and control networking	\$5000
	Development of a low temperature refrigeration trainer	\$4073
Indiana University Purdue University Fort Wayne	Design and Development Educational Solar Water Heating System with Phase Change Materials	\$5000

Each school was awarded their full request. There were two other submissions that did not make the cut this year. None the less, I strongly encourage those schools to continue to apply. These Undergraduate Senior Grants are a great way for faculty to obtain equipment for educating students in the HVAC industry, and to get students involved in the construction of a trainer that can be used for years. The school does not have to be involved in ASHRAE to apply, but it is a great way to become involved.

As additional impetus to apply, ASHRAE will fund the top ranked student project teams to attend the winter meeting to present their project. The number of students varies slightly from year-to-year depending on funds available. This is a great way to showcase a program and the students in that program. Submissions for the next cycle won't be due until December of 2014. However, that does provide plenty of time for faculty to think about how they want to spend \$5000!

This year is also the first year for the K-12/STEM Leadership award. To achieve this award, the chapter officers and the chapter SA chair were to conduct at least one K-12/STEM activity. Technically, this was to be complete by 1 February. However, due to the importance placed on this activity by Society, I am going to extend the deadline for your chapter to complete this activity to 1 April. Simply document the K-12/STEM activity in which each officer was involved. If you don't know what kind of activity to do, visit the Student Zone on the ASHRAE website or contact me for ideas. Completion of this activity does result in an award patch provided at the CRC awards ceremony.

In a similar vein ASHRAE last year approved the 'Youth Outreach Award'. This Society level award will given to a single individual with significant contribution to K-12/STEM. The rubric for the award is shown below.

(500 Points Minimum Required)

<u>Scoring System</u>	<u>Points</u>	<u>Comments and Points for Nominee</u>
Time spent preparing for or conducting a STEM activity.	25 pt/hour	
*Development/Organization of new STEM activity		
<i>*there is no point value associated with starting a new club or ongoing program, however, this will be given special consideration. Please describe the program started.</i>		

As you can see from the rubric, the award is based on number of hours spent in such activities. It will be judged by the Student Activities Committee on the quality of the activities. Since this is a new award, it will be judged for the first time during the winter 2015 meeting for the period 01 Jul 13 to 30 Jun 14. The application will be due 15 Dec 14. I know for fact there are many persons within the region doing marvelous work with K-12/STEM. Let's identify and document their activities.

You should also be aware the Design Competition is underway. As a region, we usually do quite well on the design competitions. If you are not already mentoring a design team, contact your local school and offer your services as a mentor.

Another Student Activities Committee MBO is to continue to grow the number of student branches. We haven't had a new student branch for some time, although not for lack of trying. Currently, Steve Simpson from the Cincinnati chapter is working with Miami University to get a branch started. Is there a local community college or university in your area without a student branch? Approach the program director to see if they are interested.

By the way, did you know that there are several scholarship applications coming due? There are four Engineering Technology scholarships ranging from \$3,000 to \$5,000 given each year. There are also four \$3,000 HIGH SCHOOL scholarships. Applications for all eight of these scholarships are due 1 May 2014. All applications are online. Simply go to ASHRAE.org, click on 'Student Zone', then click on the 'Scholarships and Grants' link. It couldn't be easier!

As a final point, I have updated my portion of PAOE for all chapters. Congratulations to Hans Cromer of the Columbus Chapter for being the first to reach PAR for the second year in a row. So far, only two chapters have reached PAR and one additional chapter has reached minimum. Did you know that you can get points for mentoring an Undergraduate Senior Grant project and/or a Senior Design Project? Did you know that YEA members talking to a local student branch is a great way to get points? Hopefully, your chapter participated in the recent National Engineers Week activities. This also counts for points.

All chapter SACs have my email. Let me know what you're doing and definitely contact me if you have any questions. I truly do look forward to hearing from you.