

JANUARY MEETING

Central Arkansas

Date: Wednesday, February 6

Location: Camp Aldersgate

Cost: \$20

Schedule:

10:30a.m. Board Meeting

11:30a.m. Lunch / Technical Session

12:00-1:00p.m. Program

Northwest Arkansas

Date: Thursday, February 7

Location: AQ Chicken—Springdale

Cost: Free (lunch extra)

Schedule:

11:30a.m. Lunch

12:00-1:00p.m. Program

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THE PRESIDENT'S MESSAGE

By Mike Fullerton



I hope everyone was able to enjoy the ASHRAE Winter Conference and AHR Expo in Dallas. Arkansas had a great representation this year due to the close proximity. This year's expo had several HVAC&R manufacturers exhibiting, many of which showed off new technology that promises to make significant impacts on our industry in the near future. Hopefully many of you got to take advantage of the social and professional opportunities offered in Dallas. If you were not able to attend, the technical sessions can be viewed on ASHRAE's website.

The Arkansas chapter is in the process of forming a nominating committee for the new year. If you would like to be a part of the future leadership of ASHRAE, please let us know. We are currently working toward securing the next round of chapter officers. President-Elect Mark Mizell will also be working to complete his list of committee chairs for the 2013-2014 ASHRAE year. If you know someone who would be able to contribute to one of the committees, please let Mark know.

The Scholarship Committee as headed by Zac Buckmiller has been working feverishly to narrow down the applicants. The winners recommended by the committee will be presented for vote at the February Board of Governors meeting. A formal presentation of the scholarships will follow the meal at the February meeting.

A special kudos goes to Zac and the

other Student Activity committee members for making the winter conference in Dallas a huge success. We were fortunate enough to have about 40 students and advisors in attendance at the conference. Zac worked really hard to get enough sponsors to cover the cost of hotels and travel to the conference.

Thanks to everyone who came to our January meeting. The attendance may have been slightly lower than normal due to the people still on vacation, but the presentation was worthy. Thomas Lawrence did an excellent job presenting the Basics of High Performance Buildings.

We have several continuing education opportunities coming soon. The first will be a tour of the Falcon Jet Plant located by the airport. This tour is scheduled for March 14th. Watch the newsletters and emails for more details coming soon. Then, on April 18th our chapter will host the ASHRAE broadcast on Assessing Building Energy Performance: From Principals to Practice at Harrison Energy Partners. We are also looking at doing a continuing education seminar on Energy Modeling.

On the social front, Tony Demarco is organizing the Spring Golf Tournament to benefit our chapter's Research Promotion efforts.

We had a great turnout for the Bowling Tournament on January 18 at Millennium Bowl in Maumelle. Bill Simpson did a great job at setting up this event. The tournament raised over \$1,000 toward our Research Promotion goal.

Finally, just another friendly reminder that CRC is coming up in Austin April 18-20. Let's make a great showing at

(Continued on page 3)

MONTH	MEETING TOPIC	SPEAKER	SECTION	DATE	LOCATION	THEME
SEPT	Variable Speed Drive Technology	Jack Bailey	Central	09.05.12	Camp Aldersgate	Chapter Awards
		Chris Richards	NWA	09.06.12	AQ Chicken	
OCT	Variable Refrigerant Flow Technology	James Pritt	Central	10.03.12	Camp Aldersgate	Research Promotion
		Gary Mitchell	NWA	10.04.12	AQ Chicken	
NOV	Refrigerant Technology and How it Relates to Compressor Technology	Thomas E. Watson P.E., FASHRAE (ASHRAE Society President)	Central	11.07.12	Camp Aldersgate	The "R" in ASHRAE
			NWA	11.08.12	AQ Chicken	
DEC	Health and Safety Utilizing Energy Recovery in a Critical Environment	TBD	Central	12.05.12	Camp Aldersgate	Membership Promotion
			NWA	12.06.12	AQ Chicken	
JAN	The Basics of High Performance Building Design	Thomas M. Lawrence, Ph.D., P.E., (Distinguished Lecturer)	Central	01.02.13	Camp Aldersgate	Government Affairs—Joint Meeting with BOMA
			NWA	01.03.13	AQ Chicken	
FEB	Central Arkansas Vendor Exposition	N/A	Central	02.06.13	Camp Aldersgate	Student Activities
			NWA	02.07.13	AQ Chicken	
MAR	Performance Monitoring for Commercial Buildings	James Hess, P.E.	Central	03.06.13	Camp Aldersgate	Sustainability—Joint Meeting with USGBC
			NWA	03.07.13	AQ Chicken	
APR	High Performance Chilled Water Systems	Mick Schwedler, P.E.	Central	04.03.13	Camp Aldersgate	History
			NWA	04.04.13	AQ Chicken	
MAY	Past President's Night	N/A	Central	TBA	TBA	Past Presidents Recognition
			NWA	N/A	N/A	

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PRESIDENT'S MESSAGE

(Continued from page 1)

CRC as this is a great opportunity to see what other successful chapters are doing as well as serving as the venue to make motions to be carried to society.

Do you have an outstanding project that you would like to submit for a Technical Award? The deadline for the chapter level submissions is February 28. This is a great opportunity to give credit to your clients. If you need an application form or need more information, please contact Mark Mizell.

Mark has been busy pulling everything together for our first Arkansas Chapter Vendor Fair. We have several vendors that will be at our February meeting to talk about some of their new products. You will not want to miss out on this meeting. All proceeds from the vendor fair will go directly towards ASHRAE Research.

I hope to see everyone at our next meeting. ☞



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MEMBERSHIP PROMOTION*Ron McCarty—RP Chair*

- Over the past month we had 3 new members added to our chapter. This brings the total of new members to 17 for the year.
- Upgrades are still a little low in numbers. We will push over the next month to let members know when their memberships can be upgraded. In addition emails are going out to contact those members that are close to or need to renew their memberships.
- Delinquencies are moving in the right direction and the committee will continue make contact with members to reduce the number of delinquent accounts.
- For the March meetings the Membership Committee will be sponsoring a Membership Promotion event. Each Chapter Member that brings a non-member to the meeting will have their lunches paid for. In addition, their name will go into a hat for a chance to win a \$50 gift card.



Chris Richards
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ARKANSAS CHAPTER MEETING MINUTES

Board Meeting of January 2, 2013

Forrest Moseley—Secretary

Members Present: Mike Fullerton (President, Alternate), Mark Mizell (President Elect, CTTC Chair), Terry Jacks (Treasurer), Forrest Moseley (Secretary), Bill Goodman (Board of Governors), Zac Buckmiller (Student Activities Chair), Ron McCarty (Membership Promotion), Mark Eley (Reception), Jay Holstead (Sustainability) Trey Newcomb (YEA Co-Chair), Jake Skinner (Historian), Russell Black (Honors & Awards), Bill Simpson (Research Promotion)

Call to Order: 10:35 a.m.

Mike Fullerton:

- Student Activities, CO, CTTC, and Membership Promotion have met Par for PAOE.
- Winter Dallas Meeting is in Dallas (Jan 26-30).
- The auditing committee is Chris Ahne and Ron McCarty.

Mark Mizell:

- Most all spots have been sold for the February vendor fair.
- There will be a continuing education seminar held at Harrison Energy Partners on April 18.
- We need submissions for Technical Awards. They are due Feb 28. Use the long form for the submission.
- Mark is working on getting the proclamation to Gov. Beebe for Engineers Week in Arkansas.

Terry Jacks:

- The Chapter made the \$10,000 donation to ASHRAE Research.

Forrest Moseley:

- The meeting minutes from December need to be changed. Bill Goodman and not Bill Harrison wanted to know the progress of the NWA section becoming a chapter.

Zac Buckmiller:

- Received donations from Semco (\$500) and society (\$500) to help send students to the Winter Meeting.
- The hotel's have been reserved for students to attend the winter meeting
- Is working on putting together a Winter Meeting agenda for students that do attend.
- At the February meeting student scholarships will be awarded.

Ron McCarty:

- There have been 3 membership upgrades.
- Membership promotion has met par.

Jay Holstead:

- The AHSRAE and USGBC joint meeting will be the March meeting.
- The compostable eating utensils have not been approved. If next years AR central meetings get moved to Whole Hog Café, there will not be a need for compostable utensils.

Trey Newcomb:

- Rock Climbing has been set for Jan

(Continued on page 5)



MEETING MINUTES

(Continued from page 4)

15 @ 6:30.

- The February YEA event will be a PE prep course / class.

Russell Black:

- Russell is working on a list of criteria for a chapter Hall of Fame.

Bill Simpson:

- Research Promotion (RP) has currently raised approximately \$17,345.
- Please go online and register your Kroger Plus Card for the community rewards. Kroger donates 5% of your purchase to AHSRAE if registered. You must register annually.
- There will be a 50/50 raffle drawing today for RP.
- There will be an RP bowling tournament held on Jan 18.

Tom Hanlon:

- Tom will help with anyone wanting to submit for a Technical Award.
- Looking into a rechedule the Habitat for Humanity event for sometime in February or March.

Adjourn 11:13

Program

Thomas Lawrence, Ph.D., PE to presented on The Basics of High Performance Building Design. 🏠

RESEARCH PROMOTION

Bill Simpson—RP Chair

Our first annual bowling tournament was a lot of fun and profitable for ASHRAE Research Promotion. The Strike Kings from IHP took home the \$225 first place prize while teams from Cromwell and Airetech got second and third, respectively. In the midst of all the fun, we were also able to raise \$1,267 for Research Promotion. We appreciate all who's efforts went to make the tournament such a success.

Please don't forget to register your Kroger Plus Card to Arkansas ASHRAE and send confirmation to bsimpson@harrisonenergy.com to be eligible for our \$50 Kroger gift card raffles. See details in this newsletter on how to do this.

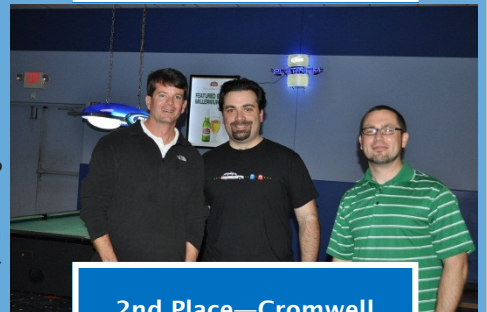
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- Click on Sign In/Register.
- Most participants are new online customers, so they must click on SIGN UP TODAY in the 'New Customer?' box.
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- Be sure to link your Kroger Plus card with your account. Do you use your phone number at the register? Call [800-576-4377](tel:800-576-4377), select option 4 to get your Kroger Plus card number.
- If you do not have a Kroger Plus card, they are available at the customer service desk at any Kroger.
- You will then get a message to check your email inbox and click on the link within the body of the email.
- Click on My Account and use your email address and password to proceed to the next step.
- Click on Edit Kroger Community Rewards information and input your Kroger Plus card number.
- Update or confirm your information.
- Enter NPO number (81335) or Arkansas Chapter of ASHRAE, select organization from list and click on confirm.
- To verify you are enrolled correctly, you will see your organization's name on the right side of your information page.
- REMEMBER, purchases will not count for your group until after you register your card.
- Members must swipe their registered Kroger Plus card or use the phone number that is related to their registered Kroger Plus card when shopping for each purchase to count.



1st place—IHP



2nd Place—Cromwell



3rd Place—Airetech



YOUNG ENGINEERS IN ASHRAE

Trey Newcomb—YEA Chair



The members of the Young Engineers in ASHRAE (YEA) were given the chance to come out, flex their muscles and test their nerve at the Little Rock Climbing Center for the association's January event. After a quick bite to eat and safety briefing, the group proceeded to test their skills against the best courses the center had to offer. The event had a great turn out with nine climbers and two spectators; everyone said had an awesome time, and is looking forward to next time. YEA would like to invite all young engineers to its next event, on February 19. This event will give participants a chance to put their heads together and come up with the most effective study methods and systems for the PE exam. Watch for the anyvite, if you have any questions, contact Trey Newcomb at tnewcomb@tmecorp.com.



SCHOLARSHIP ANNOUNCEMENT

Zac Buckmiller—Student Activities Chair

During the month of January a committee was formed to review scholarship applications and award them based on their application questionnaire, GPA, and reference letters. There were many qualified applicants which made the selection process difficult for our committee members to distribute the \$3,000 worth of scholarships. Scholarship recipients will be announced during the ASHRAE February meeting in honor of National Engineer's week.



STUDENTS EXPERIENCE ASHRAE WINTER MEETING

Zac Buckmiller—Student Activities Chair

Thanks to the generosity of the Arkansas ASHRAE chapter and many other sponsors, 25 students from three student chapters were able to travel to the ASHRAE Winter Conference. Students from UALR, ATU, and ASU left Saturday morning from their respective schools to arrive in Dallas to take a tour of the Titus R&D facility and to attend the YEA sponsored student mixer. During these events the students were able to get a basic understanding of HVAC system design and make connections with students from all over the country.



On Sunday, the students attended the ASHRAE student lunch, which had great speakers on topics such as the design competition, how ASHRAE affects design, and a Q&A session with a panel of YEA members. Once the lunch session was over, the students took a tour of a 14,000 ton chilled water plant for the UT Arlington. Students were exposed to many functioning systems and able to ask questions during the tour.



On Monday, the students spent hours walking through the overwhelming AHR Expo before returning to Arkansas. One student stated: "my eyes have been opened to the HVAC industry." The students had a great time during the whole weekend and are looking forward to next year's winter conference. As one of the advisors said, "It can not be overstated how much we appreciate all the support we have been given. Thank you to all who have been able to help." This trip has really helped expose our industry to Arkansas' students.



FUTURE ASHRAE MEETINGS:

**Region VIII Chapter Regional
Conference
April 18—20
Austin, TX**

**2013 ASHRAE Annual Conference
June 22—26
Denver, CO**

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THE RAZORBACK REPORT

Arkansas Chapter of ASHRAE

P.O. Box 180

Little Rock, AR 72203

www.ashrae.org/abepwebcast

Brought to you by the ASHRAE Chapter Technology Transfer Committee



Presenters



Thomas E. Watson, ASHRAE President



Drury Crawley, Ph.D



Jim Kelsey, LEED AP, P.E., BEAP



Christopher Mathis

Assessing Building Energy Performance:

*From Principles
to Practice*

April 18, 2013 | 1:00 PM–4:00 PM EDT



The Presenters



**Thomas E. Watson,
ASHRAE President**



Drury Crawley, Ph.D



Jim Kelsey, LEED AP, P.E., BEAP



Christopher Mathis

How a Webcast Works

A webcast is the streaming of audio and video to an audience over the internet. The “live” webcast will originate from Encompass Digital Media in Atlanta, GA. The internet link to access the webcast page will be emailed to participants when they complete registration. The link to access the webcast will be added approximately five (5) minutes prior to the start of the webcast.

Tentative Program

1:00 PM Part I – Opening Presentations, Q & A

2:30 PM Break

2:40 PM Part II – Roundtable Presentations, Q & A

3:55 PM Closing

Thomas E. Watson, ASHRAE President

Chief Engineer | Daikin McQuay | Staunton, VA

Thomas Watson is the 2012-13 Society President. His presidential theme is “Broadening ASHRAE’s Horizons”, which emphasizes the role of ASHRAE members as leaders in the application of sustainable design and practices worldwide. Watson’s past service includes Director-at-Large, ASHRAE Vice President, and ASHRAE Treasurer.

Drury Crawley, Ph.D

Director of Building Performance | Bentley Systems | Washington, DC

Drury Crawley has more than 30 years of experience in buildings energy efficiency, renewable energy, and sustainability. He is a registered architect and has a Ph.D in Mechanical Engineering. Crawley is Chair of ASHRAE Standard 169, and is a current and past member of numerous ASHRAE technical and standards committees.

Jim Kelsey, LEED AP, PE, BEAP

Principal | kW Engineering | Oakland, CA

Jim Kelsey is a licensed mechanical engineer and a LEED accredited professional. He has a B.S. in Physics and earned a Masters in Mechanical Engineering. Kelsey is interested in the technical side of energy efficiency to develop ways to save energy in commercial and industrial facilities. He is a voting member of ASHRAE Technical Committee 7.6 and Standard 100.

Christopher Mathis

President | MC Squared | Asheville, NC

Christopher Mathis has spent the past 30 years focusing on how buildings and building products perform. He earned a Bachelors degree in Physics and a Master of Science in Architecture Studies. Mathis has published a variety of technical papers and books, and is an active participant in ASHRAE Standard development.

What Will I Learn?

After attending this webcast, participants will be able to:

- Explain the importance of building energy performance and its far-reaching implications in both new and existing buildings
- Assess various tools and approaches available for assessing building energy performance
- Recognize the opportunities that Assessing Building Energy Performance (ABEP) presents
- Explain the differences among, and application of, ASHRAE building audit levels 1, 2, and 3
- Recognize the different approaches, team skills, and knowledge needed to properly assess building energy performance in new and existing buildings

How Do I Register?

You must register for the webcast. On-line registration for the Webcast begins **March 18, 2013** on our website at www.ashrae.org/ABEPwebcast. There is no fee for registration. The registration form requests that you confirm your email address. Your email address will be required to login to the live webcast. The Internet link to access the webcast page will be emailed to participants when they complete registration.

How can I participate?

- Host a webcast site for your colleagues.
- View the webcast at a site.
- Register to view the webcast on your PC

Can I earn PDHs?

YES! Three (3) Professional Development Hours (PDHs) or Three (3) American Institute of Architects (AIA) Learning Units may be awarded to viewers who complete the **“Participant Reaction Form” by May 3, 2012.** Visit www.ashrae.org/ABEPwebcast for more information.

Unable to Attend?

If you are unable to participate in the live webcast, it will be archived online for two weeks following

the broadcast. Registration will be necessary to view the archived program.

You may also purchase a DVD by:

- Calling ASHRAE Customer Service at 1-800-527-4723
- Sending an email to: orders@ashrae.org
- Going to the website at: www.ashrae.org/Bookstore

Test Your Equipment

When you complete registration, you will be given a link to test your system. This test will alert you immediately if your computer system is not properly set to see and hear a webcast.

Group Logistics/Planning Checklist

One to Two Months in Advance

- Secure a viewing location. Know and coordinate your technical support staff names, phone numbers, and addresses.
- Promote the webcast program. Target a wide audience. Use the media kit at www.ashrae.org/ABEPwebcast.
- Register online March 18, 2013 at www.ashrae.org/ABEPwebcast and save the link provided with your email confirmation to access the webcast.
- Reserve and test your equipment.
- Initiate and maintain an accurate participant headcount. Use a signup sheet or email RSVP. Site coordinators are responsible for maintaining accurate attendee headcount.
- Encourage participants to arrive at least 20 minutes prior to the webcast.

Two Weeks Prior to the Webcast

- Test your equipment. Confirm technical arrangements.
- Confirm headcount.

One Day before the Webcast

- Test your equipment.
- Inspect your viewing location.
- Check seating capacity and, if possible, reserve extra chairs.

- Expect participant questions and, if possible, provide 3"x 5" question cards.
- Talk to prospective participants to identify questions for the speakers.
- Make arrangements for coats and other personal items to be safely stored (closets, coat racks, coat hooks, etc.).

At Least One Hour Prior to the Webcast

- Arrive at the site.
- Check with the technical support staff to ensure that equipment is operational.
- Notify your technical coordinator if problems occur with audio or video transmission, and if necessary, contact technical assistance. Resolve any communication or technical problems that may arise at your site.
- Welcome attendees and help them feel comfortable with the set-up ("housekeeping notes") and to field any last-minute questions. (Note: You may wish to include your own educational programming information as part of the schedule of events.)
- Remind viewers to be in their seats 10 minutes before the program begins.
- Plan to complete all activities before the webcast is scheduled to start. The Internet link to access the webcast page will be emailed to you when you complete registration. Site Coordinators should log on with their email address approximately ten (10) minutes prior to the start of the webcast.
- Check your program agenda so you are aware about 5 minutes ahead of time when the Question and Answer segments will begin. You should move to the side/front of the room so that the audience can see you.

During the Webcast

- Have a technical support manager on site.
- Be prepared for troubleshooting and problem solving.
- Facilitate interaction.
- Email your questions to the webcast presenters using the interface on your screen.

- Download the program presentation slides. The link to download the slides will be accessible in the webcast viewing auditorium on April 18th.

Technical Personnel

Please ensure that someone who knows how to operate the equipment is available prior to and during the webcast. The technician must be onsite by 11:00 a.m. EDT the day of the webcast to set up and test the equipment. Please use this time to resolve any technical problems that may arise.

The technician should—

- Recommend the type of equipment to be used.
- Set up any needed audio or video lines from the PC to the video projector and audio system. Make sure that the audio can be heard in all areas of the room.
- Be prepared to access the link to the webcast approximately ten (10) minutes prior to the start of the webcast.
- Set up a house microphone for in-room speeches and announcements at your site before, during, and after the webcast (optional).
- Assure that the room is dark enough for the attendees to easily see the video image on the screen.

Following the Webcast

Direct participants to complete the "Participant Reaction Form" online at **www.ashrae.org/ABEPwebcast**.

For More Information About the Webcast

Visit **www.ashrae.org/ABEPwebcast** for information and complete details about the program, continuing education credits, speakers, and registration.

You can also scan this tag with your smart phone for more information.



If you have additional questions, contact us at: 678/539-1200, or ashraewebcast@ashrae.org

How can I become an ASHRAE Member?

We encourage you to join ASHRAE, the source of the latest technology for the built environment. To learn about ASHRAE membership, visit **www.ashrae.org/membership**.