



The Razorback Report

www.arkansasashrae.org

Volume XXII, Issue 5, January 2011

Arkansas Chapter Newsletter for the American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

JANUARY MEETING

Central Arkansas

Date: Wednesday, January 12

Location: Camp Aldersgate

Cost: \$20

Schedule:

10:30a.m. Board Meeting

11:30a.m. Tech Session

11:45a.m. Lunch

12:00-1:00pm Act 1494 & AEO Progress on ARRA Projects

Northwest Arkansas

Date: Thursday, January 13

Location: AQ Chicken, Springdale

Cost: ~\$12

Schedule:

11:30a.m. Lunch

12:00-1:00p.m. Act 1494 & AEO Progress on ARRA Projects

THE PRESIDENT'S MESSAGE

By Steve Keen

Happy New Year to our ARKANSAS ASHRAE friends and to the other state facilities. Ed spoke last year on the ACT 1494 and will update us on recent activities by the Arkansas Legislature to enable state facilities to begin implementing the intent of ACT 1494 through ARRA projects and the Arkansas continuing loan fund.

This new year brings a new congress to Washington and continued efforts by the ASHRAE Government Affairs group to promote legislation on energy efficiency and the continued effort to encourage young people to enter the field of engineering. The Government Affairs staff is continually reviewing legislation related to the engineering and energy fields, making comments and recommendations to improve the legislation and keep the membership up to date on these efforts through publications and access to the Government Affairs office.



If you're interested in seeing Government Affairs group activities, visit www.ashrae.org/advocacy. If you have any recommendations regarding content or have questions about participation in Washington Office activities, please contact ASHRAE Government Affairs staff at 202.833.1830 or washdc@ashrae.org.

As a part of the Arkansas ASHRAE Chapter's effort to promote participation in our government process and bring our members up to date on current activities, this month's speaker is from the Arkansas Energy office. Ed Ellis is the program man-

The time is nearing to start collecting applications for our Arkansas ASHRAE student scholarships. Please encourage any student entering or enrolled in college to submit applications. Forrest Mosley will talk about this further at this month's meeting. Other updates include our chapter website. Alex Swindler has made ongoing improvements to the website to increase the speed and update the content, including a monthly calendar for quick reference to our chapter's activities. Visit www.arkansasashrae.org to see what is happening.

INSIDE THIS ISSUE

Chapter Meeting Calendar: Page 2
Meeting Minutes: Page 3
Committee Reports: Page 4
Officers and Committee Chairs: Page 5



Join ASHRAE at its 2011 Winter Conference
Las Vegas, January 29-February 2
www.ashrae.org/lasvegas



MONTH	MEETING TOPIC	SPEAKER	SECTION	DATE	LOCATION	MEETING DESIGNATION
SEPT	Engineering Ethics	Mike Bilderbeck of Pickering	Central	09/01/10	Camp Aldersgate	Ethics
			NWA	09/01/10	AQ Chicken	
OCT	ASHRAE Building Energy Quotient (BEQ) Program	Ron Jarnagin of Pacific Northwest National Labs (Distinguished Lecturer)	Central	10/06/10	Camp Aldersgate	Joint Meeting with BOMA & AIA
			NWA	10/07/10	AQ Chicken	
NOV	Vancouver Olympic Village Sewage Heat Recovery System	Don Hay	Central	11/03/10	Camp Aldersgate	Refrigeration
			NWA	11/04/10	AQ Chicken	
DEC	Energy Plus	Nick Long of NREL	Central	12/01/10	Camp Aldersgate	Sustainability, Joint Meeting with SAME
			NWA	12/02/10	AQ Chicken	
JAN	Act 1494 & AEO Progress on ARRA Projects	Ed Ellis	Central	01/12/11	Camp Aldersgate	Government Affairs, Joint Meeting with CSI
			NWA	01/13/11	AQ Chicken	
FEB	LM Glasfiber Tour	TBD	Central	02/09/11	LM Glasfiber (LR Port)	Facility Tour
	Cherokee Casino Tour	TBD	NWA	02/10/11	Cherokee Casino (Siloam Springs)	
MAR	Thermal Energy Storage	Mark MacCraken of CALMAC (Distinguished Lecturer)	Central	03/02/11	Camp Aldersgate	Sustainability, Joint Meeting with USGBC
			NWA	03/03/11	AQ Chicken	
APR	ASHRAE 62.1 Update	Dennis Stanke of Trane (Distinguished Lecturer)	Central	04/06/11	Camp Aldersgate	Indoor Air Quality
			NWA	04/07/11	AQ Chicken	
MAY	Past President's Night	N/A	Central	TBA	TBA	Past Presidents Recognition
			NWA	N/A	N/A	

ARKANSAS CHAPTER MEETING MINUTES

Board Meeting of December 1, 2010

Mark Mizell—Interim Secretary

Officers and Board Members Present

Steve Keen, President
Bill Simpson, President Elect, CTTC
Mike Fullerton, Treasurer
Mark Mizell, Interim Secretary

Committee Chairs Present

Tony DeMarco, Social
Forrest Moseley, Student Activities
Alex Swindler, Webmaster
Terry Jacks, Reception
Caleb Haynes, YEA
Lee Greeson, Newsletter
Chris Ahne, Research Promotion

Board Meeting Minutes

President Steve Keen called the meeting to order at 10:35 a.m. at the Camp Commons Building of Camp Aldersgate.

President Keen reported that the Arkansas Chapter is a distant fourth in the Region's PAOE points behind Ft. Worth (5,300 pts.), Houston (3,000 pts.), and Monterrey (2,500 pts.). We have just over 2,000 points entered.

At the chapter meeting, President Keen will present the amendment to the bylaws to have the current president be CRC alternate and past president be CRC delegate.

President Elect/CTTC Bill Simpson reported that Ed Ellis will likely be the January speaker. Bill is still in the process of organizing a plant tour. A continuing education seminar is most likely going to be scheduled for February. Bill also reported that the PDH certificates need to be caught up and that suggestions for Tech Award and/or Refrigeration Award nominees would be appreciated.

Research Promotion (RP) Chair Chris Ahne is in the process of submitting forms for the recommendation of Dr. Darrin Nutter as an ASHRAE fellow. Chris seeks recommendation letters from Bill Harrison, Bill Goodman, and Sam Cummings.

Social Chair Tony DeMarco will conduct a drawing for the carpool prize.

Treasurer Mike Fullerton began the Treasurer's Report by stating that the taxes have been filed ahead of time and that President Keen will see to it

that the books are audited. Mike also reported that most of the hole sponsors from the fall golf tournament have paid in full.

RP Chair Chris Ahne made a motion for the board to suggest in the chapter meeting that the membership vote to allocate \$7,500 for a donation to the Research Promotion Undesignated Funds and \$2,500 for a donation to the ASHRAE Foundation. The motion was seconded by President Keen.

Discussion began by RP Chair Chris Ahne explaining that the chapter norm of recent years has been to donate a full \$10,000 to the RP undesignated fund, but that with a donation to the Foundation, a five percent return will be credited annually by the Society to go to next year's campaign. Mike Fullerton suggested that more be donated to the Foundation. Bill Simpson presented a revised motion seconded by Chris Ahne to allocate \$5,000 for a donation to the RP undesignated fund and \$5,000 for a donation to the Foundation. The motion passed unanimously.

Bill Simpson moved to accept the Treasurer's Report. Lee Greeson seconded. The motion passed unanimously.

Chris Ahne reported that the planned tech session will be postponed to January because information regarding \$500 contribution level coins is needed from the Society.

Mark Mizell stated that the previous meeting's minutes were posted in the chapter newsletter. Caleb Haynes moved to accept the minutes as posted. Lee Greeson seconded. The motion passed unanimously.

Tony DeMarco reported that the chapter cleared \$6,000 from the fall golf tournament. He has contacted Christina Lecuyer to help with the next spring tournament. Tony also said that a Texas Hold'em tournament and a Razorback night will be planned for spring.

Forrest Moseley reported that chapter scholarship applications have been posted to the student chapter advisors and that they are due Jan. 21. Davin

Hicks accepted a position as Student Activities Liaison for the Northwest branch. Suggestions for getting K-12 students more involved would be appreciated.

Alex Swindler set up a Google account. He needs event dates to add to the webpage calendar. He plans to add a trend tracker to the webpage.

Caleb Haynes reported that no events will be planned for December, due to the holidays. He welcomes event ideas for the spring.

Lee Greeson asked that the articles for the next newsletter be turned in by Dec. 23.

Chris Ahne reported that the chapter board members achieved Full Circle contributions.

President Keen adjourned the board meeting at 11:25a.m.

Chapter Meeting Minutes

President Steve Keen welcomed everyone and kicked off the chapter meeting with the carpool raffle. Guest speaker Nick Long won.

President Keen presented the Amendment to the Bylaws, which had been posted in the November newsletter and made available to the chapter membership for more than a week. Chris Ahne moved that the bylaws be amended so that the current president will represent the chapter as the CRC alternate and that the past president will represent the chapter as the CRC delegate. Chris Ladner seconded the motion, which passed unanimously.

Chris Ahne reported that the chapter board achieved Full Circle contributions.

President Keen moved that the chapter donate \$5,000 to the Society's Research Promotion Undesignated Fund as well as \$5,000 to the ASHRAE Foundation. Mike Fullerton seconded the motion, which passed unanimously.

Chris Ahne reported that the chapter has had more than 100 donors this year and that they will be honored in the January meeting.

President Keen invited everyone to the

(Continued on page 4)

MEETING MINUTES

(Continued from page 3)

next CRC, which will be in Dallas. Since Dallas is closer to the other chapters, we will need a good chapter turn-out to defend our Chaparral Award from last year. He also suggested everyone consider attending the Winter Meeting in Las Vegas, Jan. 29 to Feb. 2.

President Keen introduced Nick Long from the National Renewable Energy Laboratory as the speaker.

Nick, as a past Young Engineers in ASHRAE (YEA) chairman at the Society level, suggested that our young engineers attend the YEA weekend in Denver. He then conducted a presentation on the benefits of energy analysis and modeling. He expressed that energy models are typically done only for LEED requirements, but that they need to be done more with the complexity of today's building systems. Nick demonstrated a couple of examples of how much a building owner can save energy costs through quality energy analyses.

Nick Long concluded his presentation and President Keen thanked him and adjourned the chapter meeting at 1:15 p.m. 🍷

MEMBERSHIP REPORT

Joel Funkhouser—
Membership Chair

I'd like to welcome our newest members **Ryan Veneberg** of Little Rock and **Lee Wilson** of Fayetteville. Also, welcome our newest student member, **Wei Guo** of Fayetteville. I applaud you for your interest in the HVAC&R field and look forward to seeing you at our January meeting!



USER'S MANUAL KEY TO MEETING REQUIREMENTS OF GREEN STANDARD

Jodi Scott—ASHRAE Public Relations

ATLANTA - Knowing what to do is not the same as knowing how. A new User's Manual educates industry professionals on how to meet the requirements of a green building standard published by three leading industry organizations.

Standard 189.1-2009, Standard for the Design of High-Performance, Green Buildings Except Low-Rise Residential Buildings, was published earlier this year by ASHRAE in conjunction with the Illuminating Engineering Society of North America (IES) and the U.S. Green Building Council (USGBC). The standard provides a long-needed green building foundation for those who strive to design, build and operate green buildings.

A newly published User's Manual is now available.

"Because of the breadth of the key topic areas covered in the standard - site sustainability, water use efficiency, energy efficiency, indoor environmental quality and the building's impact on the atmosphere, materials and resources - it is important for users to have a thorough understanding of how they come together to create a sustainable building," Kent

Peterson, former chair of the Standard 189.1 committee, said. "The User's Manual aids architects and engineers in applying the standard to design; general and specialty contractors in constructing buildings that are in compliance; and plan examiners and field inspectors in enforcing the standard where adopted into code."

The new User's Manual provides explanations of the standard's requirements and examples of its application. It contains sample calculations, forms to demonstrate compliance and references to helpful resources and websites. This User's Manual can also be suitable for use in educational programs.

For complete information on the standard, including a readable copy, visit www.ashrae.org/greenstandard.

Standard 189.1 also serves as jurisdictional compliance option to the International Green Construction Code authored by the International Code Council, ASTM International and the American Institute of Architects.

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. The cost of the Standard 189.1 User's Manual is \$93 (\$79, ASHRAE members)

ASHRAE BRINGS HOT TOPICS TO AHR EXPO ATTENDEES

Amanda Dean—ASHRAE Public Relations

ATLANTA - Guidance on industry hot topics is being provided from ASHRAE through two free sessions at the AHR Expo® in Las Vegas, Nev.

A Practical Guide for Reducing Air Leakage in HVAC Air Systems takes place Monday, Jan. 31, 2:15-3:45 p.m., while an update on Standard 90.1 - 2010 Update: How It Affects You takes place on Tuesday, Feb. 1, 2:15-3:45 p.m. The two sessions offer Show attendees 1.5 PDHs each for a total of 3.

Monday's session focuses on the fact that excessive air leakage in HVAC systems is known to be a significant source of energy waste. This session identifies the current standards, guidelines and project specification that influence air leakage and highlights the roles and responsibilities of the engineer, contractor and manu-

facturer to assure they meet our common goal of reducing air leakage in HVAC systems.

The Tuesday session provides an update on ANSI/ASHRAE/IESNA Standard 90.1-2010, Energy Standard for Buildings Except Low-Rise Residential Buildings. With well over 100 addenda incorporated since the 2007 edition, this session highlights some of the major changes in 2010 standard.

Both sessions are held in Room N256 of the Las Vegas Convention Center. No ticket or badge is required for admittance.

The 2011 ASHRAE Winter Conference is held in conjunction with the Expo and runs Jan. 29-Feb. 2 at the Las Vegas Hilton. Additional courses and sessions are offered through the Conference's Technical Program and the ASHRAE Learning Institute. More information can be found at www.ashrae.org/lasvegas.

FUTURE ASHRAE MEETINGS:

2011 ASHRAE Winter Conference
Jan. 29—Feb. 2
Las Vegas, NV



2011 ASHRAE Annual Conference
June 25—29
Montreal, Quebec

The Razorback Report is published monthly by the Arkansas Chapter of ASHRAE. Statements made in this publication are not expressions of the Society or of the chapter and may not be reproduced without special permission from the chapter.

2010-2011 CHAPTER OFFICERS

President	Steve Keen	501.374.5420	skeen@powersar.com
Vice-Pres.	Bill Simpson	501.661.0621	wsimpson@trane.com
Treasurer	Mike Fullerton	501.666.6776	mfullerton@tmecorp.com
Secretary	Marlon Joiner	501.686.5606	joinerdanielm@uams.edu

BOARD OF GOVERNORS

James Dayer	501.663.8886	jdayer@fluidsolutionsinc.com
Joel Funkhouser	501.376.3633	jcfunkhouser@garverusa.com
Robin Sipes	501.683.7610	rdsipes@ualr.edu
Chris Ahne (CRC Delegate)	501.661.0621	cahne@trane.com
Steve Keen (CRC Alternate)	501.374.5420	skeen@powersar.com

COMMITTEE CHAIRS

Membership	Joel Funkhouser	jcfunkhouser@garverusa.com
Student Activities	Forrest Moseley	forrest@airetechcorp.com
Programs	Bill Simpson	wsimpson@trane.com
Historian	Drew Harrison	dharrison@trane.com
Refrigeration	Mark Emmerling	memmerling@powersar.com
Research Promotion	Chris Ahne	cahne@trane.com
Newsletter	Lee Greeson	razorback.report@gmail.com
NW Section	Byron Morgan	bmorgan@powersar.com
Social	Tony DeMarco	tony@airetechcorp.com
Reception	Terry Jacks	tjacks@pettitinc.com
Webmaster	Alex Swindler	aswindler@tmecorp.com
Sustainability	Jay Holstead	jay.holstead@comfortsystemsusa.com



THE RAZORBACK REPORT

ARKANSAS CHAPTER OF ASHRAE
P.O. Box 180
LITTLE ROCK, AR 72203

Region VIII - Regional Dinner

Monday, February 3, 2010

6:00 PM Reception

6:30 PM Dinner



4041 Audrie Street
(behind Flamingo Hilton)
Las Vegas, NV 89109

Tel: (702) 732-1424

Open Daily

Cocktails:
4:30pm - 10:30pm

Dinner:
5:00pm - 10:30pm

(Short taxi ride from Hotel)

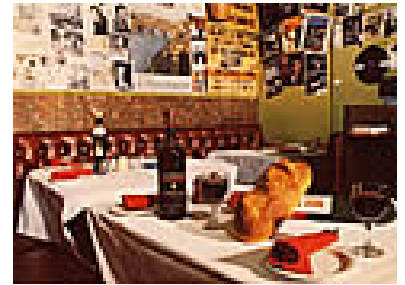
10 oz. Boneless Breast of Chicken

- | | |
|----------------------------|------------------------|
| 11. Chicken Rio | 12. Chicken Parmegiana |
| 13. Chicken Cacciatore | 14. Steak Pizzaiola |
| 15. Linguini Chopped Clams | 16. Chicken Alfredo |

All Inclusive Menu Features:

Free House Wine Included (Red or White) • Minestrone Soup or Italian Salad • Complimentary House Wine • Garlic Bread • Pasta Side • Homemade Cappuccino

**"an old Vegas Italian landmark"
-Zagat Survey**



Cost

\$30.00 per person
Pay at the Door



RSVP by January 20th, 2011 to John L. Harrod, ARC
(405) 607-6110 (office direct) (405) 206-8341 (cell)