



The Razorback Report

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

www.arkansasashrae.org

Volume XV, Issue II, October 2003

The President's Message

By Rick Sellers, P.E.

Greetings fellow ASHRAE members. Thanks to everyone who attended our September meeting. It certainly was a great program with a great turn-out to kick off the year. But we haven't rested on our laurels and have lots of exciting things planned for October.

John Carter has another great program scheduled for our October meeting. The title is "Understanding Energy Charges and Energy Costs". It will be our first meeting at Whole Hog Café and it will be at lunch on the SECOND Wednesday of the month (10/8/2003). Mark your calendars now and make plans to attend.

Tom Hanlon has put together a great Continuing Education Seminar for Friday, October 17th. Dr. Steven Kavanaugh, Professor of Mechanical Engineering from the University of Alabama will be the presenter. I don't want to steal Tom's thunder from his TEGA article but the main topics are "Demand and Efficiency of HVAC Systems" and "Impact of Modern Ventilating and Air-Conditioning Equipment Performance on Indoor Humidity Levels". This is a 6 hour seminar with P.D.H.s for those attending. The Arkansas Organizing Group of the US Green Building Council (USGBC) and the Arkansas Energy Office are co-endorsing this seminar.

Eddie Finley has our Fall Golf Tournament scheduled for Friday, October 24th. The tournament will be at Rebsamen Golf Course with a 1:00 pm shotgun start. With a little luck, we'll have great fall weather and I'm sure everyone will have a great time. I made a pretty dramatic plea for support in the September newsletter so I'll spare you guys that but I can't miss the opportunity to ask one more time. Come out, support your Chapter, and have some fun.

As always, you can find out what's going on in the Chapter by visiting our website – www.arkansasashrae.org.

See you October 8th.

October Meetings

Central Arkansas

Date: Wednesday, October 8th
Location: Whole Hog Cafe
Meeting Room
Cost: \$15.00 / person
Schedule:
10:30 am Board Meeting
11:30 am Tech Session "ASHRAE Handbook Review"
11:50 pm Lunch Buffet
12:10 pm Program "Understanding Energy Charges and an Energy Cost Update" by Mr. Harvey Piazza
- 1:00 pm

Northwest Arkansas

Date: Thursday, October 9th
Location: Fayetteville Public Library & A.Q. Chicken Restaurant
Schedule:
5:00 - Program - "Fayetteville Public Library HVAC System Tour" by Mr. Shane Lanning w/ Green Anderson Engineers!
6:00 pm ASHRAE Business, Dinner, & Program conclusion
6:15 -
7:30 pm

Northwest Corner

By David Sheets

The September meeting was very successful with 32 members and guests present. The meeting was sponsored by Mr. Kevin Koenning from Munter's Corporation and Mr. Michael Hayes from Munter's gave an excellent presentation on commercial applications of desiccant dehumidification equipment. Marshall Moody was presented with a plaque for his years of service as the NW Arkansas Section Leader. Craig Berkshire from ACME Fans paid his dues at the meeting and is a now a new member of ASHRAE. Greg Anderson won the first door prize, a pocket knife donated by Craig Berkshire of ACME Fan and Eddie Fox was the winner of a baseball cap donated by Munters and the jackpot drawing. The jackpot drawing raised \$24 for ASHRAE Research.

The October meeting will be held on October 9 and will be a presentation and tour of the new Fayetteville Public Library by Shane Lanning from Green Anderson Engineers. The library is currently under construction and should be an excellent site visit. The meeting will begin at 5:00 pm at the new library (directions will be E-Mailed with the invitation). After the tour we will proceed to the AQ Chicken restaurant in Fayetteville for dinner and a presentation by Shane. Dinner will begin at approximately 6:15 and conclude at 7:30.

September Board of Governors, Officers, And Committee Chairmen Meeting Minutes

By Chance Hollingsworth, Chapter Secretary

Call to order: President Rick Sellers called the board meeting to order at 10:39 am at the Little Rock Club on September 3rd, 2003. Attendees included Rick Sellers, John Carter, Chance Hollingsworth, Russell Black, Chris Ahne, Randy Moore, Tom Hanlon, Scott Smith, Chris Call, James Dayer & Wade Wetzler.

Old business: President Sellers reported that an updated committee list has been sent to the webmaster.

New business: President Sellers requested a review of Region III Roster for active and non-active members. President Sellers announced Society Vice President Bill Harrison goal of 2500 new members this year. Vice President Carter discussed today's program and finalizing programs by scheduling a refrigeration tour. Randy Moore recognized the support and effort put into the September meeting by the IAQ committee. TEGA chair Tam Hanlon stated the October-December technical sessions would be ASHRAE handbook reviews. Mr. Hanlon announced the first Educational Session on November 6th at Pulaski Technical College on IAQ - verifying ventilation. Wade Watzler announced newsletter dead line of September 22nd and requested more articles. Chris Ahne announced that four students would be in attendance at this month's meeting. John Carter requested all to participate in the upcoming Fall golf tournament raising money for ASHRAE Research being held on October 24th at 1:00 pm at Rebsaman Golf Course.

Action Items:

1. Treasurer Hodoway to provide a check for C.R.C. assessments

Adjournment: The board meeting was adjourned at 11:14.

September Arkansas ASHRAE Chapter Meeting Minutes

By Chance Hollingsworth, Chapter Secretary

Technical Session: ASHRAE Standard 62-Indoor, Air Quality Presenter: John Hodoway

Mr. Hodoway laid the groundwork for a forum discussion on IAQ in Public schools by outlining contaminants, methods of moisture control and issues dealing with infiltration and HVAC systems.

Call to order: The chapter meeting was called order on September 3rd at 11:50 am at the Little Rock Club with 72 members and 27 guests in attendance. President Rick Sellers recognized guest from USGBC, AIA, and CSI then introduced Mr. Sam Cummings from Pettit & Pettit as Forum moderator. Mr. Cummings briefly discussed general rules of a forum and introduced panelist.

Panelist were:

Mr. Terry Granderson-Arkansas Department of Health, State Director HVACR Licensing & Code Enforcement.

Ms. Shirly Louie-Senior Epidemiologist Arkansas Department of Health

Mr. Dave Floyd-Arkansas Department of Education, School Plant Services

Mr. John McMorran-Principal – Lewis, Elliott, & Struder

Each panelist read from a position statement to open the Forum and Mr. Cumming fielded questions from attendees and directed to panelist for brief discussion.

Adjournment: The meeting was adjourned at 1:10 pm.

This Month in Arkansas ASHRAE History

By James McKinnie

20 Oct 1970: The board met at the Sam Peck Hotel at 5pm. Topics discussed were future meeting locations, attendance by the Regional Director at next month's meeting, dues, and a formal vote to establish the Ernest Pettit Memorial Award. Walter McCroskey presented a technical program on SMACNA. After dinner, Kent Pettit gave a review on the history of aluminum in Arkansas, including a short film. The meeting concluded with the short film "Points on Golf."

22 Oct 1980: The board met at the Sam Peck Hotel at 5pm. The single topic discussed was low attendance and its impact on honors and awards at regional and national contests. Members suggested special nights for architects, students, past presidents, families and general contractors. After the social period, Jim Pitts presented slides of the fall outing at Burns Park, John Martine discussed "Energy Management of Chillers," After dinner, John Kline of American Air Filter discussed water-source heat pumps, in particular a patented, NFPA-approved approach to combine the hot and/or chilled water systems with the fire sprinkler system to reduce first costs.

26 Oct 1990: The local chapter held the first annual Oktoberfest at Murray Park #5 & 6, raising over \$2,900 for the scholarship fund. Attendance was 175 people. Events included a hot air balloon and a dunking tank, with special recognition to four brave engineers for repeated dunkings (Burt Henderson, Don Huggins, Ed Tinsley, and Jim Pitts). The winning team at volleyball was Dale Kennedy, Randy Moore, Brian Reynolds, Wayne Reed, John Oliver and Allen Pettit.

Membership Promotion

By James Dayer

Hello everyone, I am the new membership promotion chairman for our chapter. If any of you have colleagues, friends, or contacts who you think may be interested in ASHRAE, please bring them to the meeting and stop by to see me. I (along with you, of course) can explain all the benefits of ASHRAE membership, and naturally, we will have new member applications available. I would like to thank Russell Black for setting up our membership booth at each meeting. The booth serves as a great tool for people to get the information they need to get involved. For you current members, please stop by the booth to check with me regarding your current status in ASHRAE. You may be eligible for advancement. We will also have the forms for membership advancement at the booth.

September Program Summary

By Randy Moore

Ad hoc Committee for "Indoor Air Quality" In Public Schools Chapter Report

On September 3, 2003, the Arkansas Chapter of ASHRAE held a "Forum discussion for identifying the issues concerning application of ASHRAE Standard 62 to Public Schools in Arkansas". The Forum discussion was a result of planning by the IAQ subcommittee formed in January of 2003. The subcommittee met in March, May, July, and August to plan for the Forum. The Forum Consensus Statement can be summarized as follows.

The professional design community has a mandate to provide proper IAQ in our public schools, and the Arkansas State Supreme Court Mandate to provide adequate education throughout the entire state has provided the legislative impetus for funding to meet current IAQ standards.

ASHRAE Standard 62 "Ventilation for Acceptable Indoor Air Quality" and the 2003 Arkansas Mechanical Code will provide the basis of design for meeting these mandates. The 2003 Arkansas Mechanical Code will provide a more prescriptive requirement of Standard 62 by reference to Table for Ventilation Rates.

The total solution to IAQ in Public Schools must include education, funding, commitment, cooperation, and recognition from all members of the professional design and construction community and must include a complete understanding that compliance with mechanical codes for ventilation air in classrooms must be a high priority for the state department of education and public school administration. In order to sustain adequate Indoor Air Quality in our public schools, it is critical that administrators mandate continued operation and maintenance of the ventilation systems.

Leadership must come from the Arkansas Legislature, cooperation must come from all members of the design and construction community, and understanding must come from school administrators. Everyone involved in school building construction must help educate school districts about ASHRAE Standard 62 and that compliance with ventilation rates for classrooms will insure adequate Indoor Air Quality for students and faculty.

The Position Statement Presenters for the Forum were Terry Granderson, State Director, HVACR Licensing and Code Enforcement with the Arkansas Department of Health; Shirley C. Louie, M.S., CIH Senior Epidemiologist, Arkansas Dept. of Health and Director of the Indoor Air Quality Program; Dave Floyd School Plant Services, Arkansas Department of Education; and John McMorran, AIA principal at Lewis, Elliott, and Studer Architects.

TEGA News

By Tom Hanlon

What a great September Meeting. Congratulations to Randy Moore and Sam Cummings for a great forum. Plus a special well done to John Hodaway for the primer during the tech session.

Lot's on the horizon for us. Our first Continuing Education seminar for Professional Development will be Friday October 17th @ Pulaski Technical College. Will be a six-hour seminar on "Demand and Efficiency of HVAC Systems" plus "Impact of Modern Ventilating and AC Equipment on Indoor Humidity Levels". Will be presented by Dr. Steven Kavanaugh, Professor of Mechanical Engineering at University of Alabama. He's very widely published, is a member of several ASHRAE technical committees and chairman of a couple. Is recognized as "The Expert" in geothermal design. We're really lucky to have him, so sign up early for this great event. Flyer and detailed outline of the program are on the web site and have been e-mailed to our membership. Price for the seminar is \$75.00 a bargain.

Other upcoming event is our first ASHRAE / HVACR outreach seminar. Again we'll be at Pulaski Tech on Wednesday Nov 5th @ 6:30 PM to 9:30 PM. Subjects will be "Basic Psychometrics" and "IAQ - Ventilation Requirements and Verification". Instructors for the sessions will be Chris Ahne doing the psychometrics with Tom Hanlon and Randy Moore doing the IAQ portion. Terry Granderson is spreading the word to his HVACR contractors so this should be well attended. Flyer for this event will be out shortly. Cost for the session is \$45.00.

Tech Session at our October meeting will be an ASHRAE Handbook Review by Bill Lowry PE (Batson Firm). His subject is Chapter 25 of the Fundamentals Manual "Radiant Heating and Cooling". Format for the reviews are to have a chapter presented by a consultant, with editorial comments if they have any. Then have a short Q&A session following the presentation. Should be interesting so come early and plan to participate.

Refrigeration

By Mike McClellan

I have been working to find a host site in Central Arkansas to host a refrigeration based tour for the November program, but have had little success. If you know of a location that would be willing to host up to 75 folks for a tour please advise the appropriate contact. Also, our chapter outreach to the refrigeration community has been aided by capturing a mailing list of 38 licensed refrigeration contractors. Any assistance finding these tradesmen is appreciated as we work to deliver ASHRAE's message.

Thank you.

2003 ASHRAE Research Fall Golf Tournament

**Friday – October 24th
1:00 P.M. - Shotgun Start**

Rebsamen Golf Course

Entry form in the September newsletter and at
www.arkansasashrae.org



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.

2003-2004 Chapter Officers

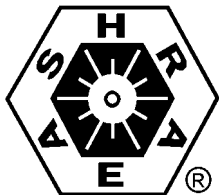
<u>President</u>	Rick Sellers	501-374-3731	fax: 374-1802
<u>Vice-Pres.</u>	John Carter	501-666-6776	fax: 663-8888
<u>Secretary</u>	Chance Hollingsworth	501-374-5420	fax: 370-9298
<u>Treasurer</u>	John Hodoway	501-372-2900	fax: 372-0482

Board of Governors

Chris Call	501-663-8886
Russell Black	501-327-2409
Steve Titus	501-375-1181
Tracy Hayes (CRC Delagate)	501-833-0239
Randy Moore (CRC Alternate)	501-280-0404

Committee Chairs

Membership	James Dayer	501-663-8886
Student Activities	Chris Ahne	501-661-0621
Programs	John Carter	501-666-6776
Historian	James McKinnie	501-987-7666
Refrigeration	Mike McClellan	501-661-0621
Research	Randy Moore	501-280-0404
Honors & Awards	Tracy Hayes	501-833-0239
TEGA	Tom Hanlon	501-661-0621
Newsletter	Wade Wetzler	501-803-3328
NW Section	David Sheets	479-636-5004
Social	Eddie Finley	501-374-5420
Reception	Scott Smith	501-666-5488
Webmaster	Ben Baugher	501-280-0404



THE RAZORBACK REPORT

Arkansas Chapter of ASHRAE
P.O. Box 180
Little Rock, AR 72203



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

Arkansas Chapter Meeting RSVP Form

Company Name: _____

Phone #: _____ Fax #: _____

Signed: _____

For reservations to the Central Arkansas Chapter meeting fax this form by **Friday, October 3rd** to **501-663-8888 Attn: John Carter**

For reservations to the Northwest Arkansas Chapter meeting send this form by **Monday, October 6th** to **nwarkashrae@yahoo.com Attn: David Sheets**

ROUTING

MEMBER NAME (PLEASE PRINT)	CENTRAL Oct 8 th	NW ARK Oct 9 th	EATING (Y or N)

NOTES: Please fax this form to the name and fax number as referenced above
The meal is no cost to student members, however an RSVP is necessary.
All "no shows" will be responsible for the cost of their meal.

In order to provide you with the best service for your Chapter's money, it is necessary to RSVP for each meeting.

Arkansas Chapter October Meeting

By John Carter, P.E., Program Chairman

Subject: Hello Arkansas-ASHRAE. This month's topic is "Understanding Energy Charges and An Energy Cost Update". This meeting will be the perfect prelude to the continuing education seminar on "Demand and Efficiency of HVAC Systems" on October 17, 2003. Understanding the application of supply-side energy charges and anticipated costs is important before estimating the impact of demand-side energy conservation systems. Speakers will be Harvey Piazza and Steve Ward.

When: Wednesday, October 8, 2003 11:30 A.M. – 1:00 P.M.

Where: Whole Hog Café - Meeting Room

Fee: \$15.00 per person. BBQ buffet with dessert.

Thanks to our sponsor for the October meeting:

Also thanks to our September meeting sponsor:



WADE COMPANY

ENVIRONMENTAL SYSTEMS FOR
ENERGY MANAGEMENT

708 Garland Ave., Little Rock, AR 72201
P.O. Box 3506, Little Rock, AR 72203
Ph. (501) 375-1181 Fax (501) 375-4628
www.wadecoinc.com

**INDEPENDENT
HEATING & COOLING**

12417 Cantrell Road, Little Rock, AR 72223
P.O. Box 17010., Little Rock, AR 72222
Ph. (501) 224-1606 Fax (501) 224-9587
www.dashservice.com

ASHRAE
Continuing Education Seminar

"Demand and Efficiency of HVAC Systems"

"Impact of Modern Ventilating and AC Equipment on Indoor Humidity Levels"

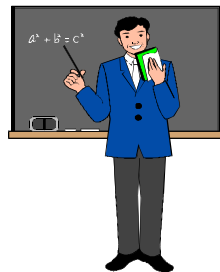
When: October 17th, 8:30 AM to 3:30P.M.

Where: Pulaski Technical College, IT Building Conference Center

Sponsored by: Arkansas Chapter of American Society of Heating, Refrigerating and Air Conditioning Engineers, Inc. (ASHRAE). Endorsed by the Arkansas Organizing group of the US Green Building Council (USGBC) and the Arkansas Energy Office.

Seminar Outline:

- Demand & Efficiency of HVAC Systems
- Ventilation Air Equipment Performance
- System Part Load Performance & Moisture Loads
- Cooling Coil & OA Preconditioning Equipment / ARI Position
- Addenda of Interest in ASHRAE 62
- System Approach-Latent Loads, Equipment, Control



Participants will receive certificates and (6) P.D.H.s upon completion.

Presenter: **Dr. Steven Kavanaugh, Professor of Mechanical Engineering University of Alabama. Chairman of several ASHRAE technical committees, recipient of the Crosby Field Award. See complete Bio on the Arkansas Chapter web site.**

Fee: \$75.00 per person (includes a box lunch). Class size is limited. Please contact John Carter @ Tinsley Mullen Inc. 666-6776 or jcarter@tmecorp.com. Make checks payable to Arkansas ASHRAE.

Fax Registration information to John Carter at (501) 663-8888 or email to jcarter@tmecorp.com (pay at the door) or mail to John's attention @ TME Inc. 5800 Evergreen Ste. A, Little Rock, Ark 72205. Registration must be received by October 10th.

.....**Registration Information**.....

Yes, I will attend the "Continuing Education" seminar on October 17th

Name _____