



The Razorback Report

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

www.arkansasashrae.org

Volume XV, Issue III, November 2003

The President's Message

By Rick Sellers, P.E.

Greetings fellow ASHRAE members. We had another great turnout for the October meeting that was held at the Whole Hog Café. Thanks to everyone for attending.

Our Refrigeration Tour scheduled for November has unfortunately been postponed but we have a great program scheduled entitled "Limiting Liability in the Construction Process". It will again be at Whole Hog Café and it will be at lunch on the first Wednesday of the month (11/5/2003). Mark your calendars now and make plans to attend.

Our Continuing Education Seminar held on Friday, October 17th by Dr. Steven Kavanaugh entitled "Demand & Efficiency of HVAC Systems" was a great success with 45 attendees. Special thanks go out to Pulaski Tech for hosting the event and the Arkansas Organizing Group of the US Green Building Council (USGBC) and the Arkansas Energy Office for co-endorsing the seminar.

Our next Educational Outreach Seminar is November 5th, again at Pulaski Tech. The title is "Psychrometrics & Understanding Ventilation for IAQ". These Outreach Seminars are co-sponsored by the State HVACR Board and draw a completely different crowd than our typical ASHRAE seminars. This presents us a great opportunity to expose new people to ASHRAE and what it's all about. It's also a great opportunity to receive training for ourselves or our co-workers.

That's it for now, as always, you can find out what's going on in the Chapter by visiting our website – www.arkansasashrae.org.

See you November 5th.

November Meetings

Central Arkansas

Date: Wednesday, November 5th
Location: Whole Hog Cafe
 Meeting Room
Cost: \$15.00 / person
Schedule:
 10:30 am Board Meeting
 11:30 am Tech Session "Dale Carnegie's 10 Golden Rules and Stack Memorization"
 11:50 pm Lunch Buffet
 12:10 pm Program "Limiting Liability in the Construction Process"
 - 1:00 pm by Mr. Dwayne Shelton

Meeting Sponsor: Trane Arkansas

Northwest Arkansas

Date: Thursday, November 13th
Location: A.Q. Chicken Resturant
 Springdale
Schedule:
 5:30 pm Social
 6:00 pm ASHRAE Business / Dinner
 6:30 pm - Program - "IAQ in Public Schools"
 7:15 pm Meeting Review & Discussion"
 by IAQ Sub Committee

Student Activities

By Chris Ahne

The student activities committee has scheduled a teach-in activity to take place at Arkansas Tech University in the beginning of November. The University of Arkansas student chapter is working to plan a facilities tour of Reynolds Razorback Stadium. This tour will be a joint activity with the ASME student chapter.

We have several new applicants for student membership submitted by the Arkansas Tech student chapter. ATU has been very involved in our chapter activities, attending the monthly meetings and the continuing education seminar at Pulaski Tech.

The student activities committee is starting a new program of interest to both student members and senior section members. The committee will be accepting resumes from students that are interested in jobs in our industry. In turn, we will make the resumes available to anyone that is interested in hiring new engineers. We have had considerable interest from the students in the program. If anyone would like access to the resumes, please contact me at cahne@trane.com.

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

By Chance Hollingsworth, Chapter Secretary

Call to Order: President Rick Sellers called to meeting to order at 10:40 a.m. The meeting was held on October 8, 2003 at The Whole Hog Cafe. Those present were: Rick Sellers, John Carter, John Hodoway, Chance Hollingsworth, Russell Black, Wade Wetzler, Chris Call, Randy Moore, James Dayer, James McKinnie, Scott Smith, Chris Ahne, Tom Hanlon, Tracy Hayes.

President: President Rick Sellers opened the meeting and requested Secretary Chance Hollingsworth to read Old Business. President Sellers reported that grass roots committee reports shall be reported electronically on line. President Sellers reported that the Arkansas ASHRAE chapter has their certificate of insurance on file. President Sellers stated that he has free passes for those who want to attend the ASHRAE Expo. Arkansas Chapter has received a certificate for Oscar Domaine for 50 years of ASHRAE membership. President Sellers then called for committee reports and they were presented as follows:

Vice President/Programs: Vice President John Carter announced that next months meeting will be a night meeting featuring a refrigerant tour in Clarksville, Arkansas.

Secretary: A motion to approve the Meeting Minutes as published in the October Newsletter was voted on and passed.

Treasurer: Treasurer John Hodoway presented the monthly Treasurer's report. Chapter 2003-2004 Budget was presented. Treasurer Hodoway proposed deleting the bulk mail expense and banner expense from budget expenses. Board discussed budgeting for speaker meals for both program and technical sessions. Monthly speaker appreciation gifts shall be included in proposed budget. Other budget changes included a Rooster add to be included for \$500.00 and edit line item Student meals to Student Activates and Meals. Treasurer Hodoway made a motion to accept the amended budget. Motion was seconded, voted on and approved by the board.

Membership: Chairman James Dayer announced membership promotion night to be held during the January meeting. Chairman Dayer added that we are still looking for a membership Co-Chair.

Research Promotion: Chairman Randy Moore announced that the Research promotion plan has to been submitted to the research R.V.C.. Chairman Moore updated the board on progress being made on preparing a Donor recognition presentation. Chairman Moore announced the Chapters goal of extended golden circle. Research promotion night will be held during the December meeting.

Historian: Chairman James McKinnie has submitted research articles to the newsletter editor for the remaining newsletters.

Honors & Awards: Chairperson Tracy Hayes announced there are awards available from Society and to contact her if there are nominations.

Student Activities: Chairman Chris Ahne discussed progress being made at the University of Arkansas, and recognized student members who will be in attendance at this months meeting.

TEGA: Chairman Tom Hanlon announced Bill Lowery with the Batson Firm will deliver the technical presentation on Radiant Cooling as detailed in the ASHRAE handbook.

Chairman Hanlon followed up with discussing the upcoming TEGA educational seminar being held at Pulaski Tech on Demand Ventilation and Impact of Ventilation standards on IAQ.

Newsletter: Chairman Wade Wetzler announced that October 20th would be the deadline for newsletter articles.

Social: Chairman Eddie Finley proposed an ASHARE softball social function to benefit ASHRAE research.

Reception: Chairman Scott Smith delivered a progress report on progress being made on updating the membership nametags.

Webmaster: No-Report

Old Business: (Treasurer Hodoway) Check for CRC contribution is being drafted for the amount of \$1,255.00

New Business: (CRC Treasurer Wade Wetzler) Establish saving/money market account for CRC contributions.

Adjournment: After no further new business President Hayes adjourned the meeting at 11:29 a.m.

October Arkansas ASHRAE Chapter Meeting Minutes

By Chance Hollingsworth, Chapter Secretary

Call to Order: At 11:33 a.m. the Chapter meeting was called to order with 59 members and 6 guests in attendance. The meeting was held at The Whole Hog Cafe on October 8, 2003. The program began with the Tech Session.

Tech Session: President Sellers introduced TEGA Chairman Tom Hanlon who in turn introduced our technical session topic and presenter Mr. Bill Lowery. Technical session highlighted Chapter 53 from the ASHRAE Application Handbook – Radiant Heating & Cooling. Mr. Lowery discussed the latest technology, current research projects and findings. Mr. Lowery detailed the fundamental principles in Radiant Heating and Cooling as well as highlighting basic design considerations when designing a radiant system.

Program: President Sellers opened the general meeting at 11:45 p.m. President Sellers introduced Treasurer Hodoway to announce a fire protection discussion group meeting October 21st at 11:00. Program Chairman John Carter introduced this month's program and presenters. Program - Understanding Energy Charges was presented by Mr. Cory Pettet, Mr. Harvey Piazza with Entergy and Mr. Steven Ward with Tinsley-Mullen Engineers. Mr. Pettet and Mr. Piazza reviewed rate components, gave examples on how changes in energy demand effect your energy bills, detailed rate classes and load factors. Mr. Ward with Tinsley-Mullen Engineers covered Natural gas. Mr. Ward's presentation gave a overview of the current gas market and presented Historical data on natural gas pricing trends and cost associated with the production, storage, and delivery of natural gas to the end user.

Adjournment: With no further business the meeting was adjourned at 1:00 p.m.



TEGA News

By Tom Hanlon

A real big ASHRAE THANKS to Bill Lowery for the great tech session at October's meeting. Great presentation on Radiant heating and cooling. Bill's message regarding the marriage of dedicated ventilation systems with radiant systems was a great one. Again a great "Handbook Review" and thanks for the presentation.

Just finished our Chapter Educational Seminar last Friday. Held at Pulaski Tech's IT conference center, we had 45 in attendance. Program was "Demand & Efficiency of HVAC Systems" presented by Dr Steven Kavanaugh. Was a very well done session with lots of very leading edge ideas. Dr. Kavanaugh is a recognized leader in the field of Geothermal and had lot's of interesting insights into it's use and merits. We attracted members from many of the consultants in our chapter plus some from as far away as Memphis. Really speaks to Dr Kavanaugh's reputation. We had lot's of help from the folks at USGBC and the Energy Department in getting Dr Kavanaugh. Thanks to them.

Also a very special thanks to all the folks at Pulaski Tech, especially Tom Hunt, for their continued hospitality. They really make us feel at home.

Speaking of Pulaski Tech, our next HVACR/ASHRAE educational outreach session is Wednesday, Nov 5th at the college. The session is "Psychrometrics & Understanding Ventilation for IAQ". Instructors are Chris Ahne (Trane Arkansas), Randy Moore (Airetech) & Tom Hanlon (Trane Arkansas). We'll cover Psychrometrics from top to bottom complete with application problems and measurement techniques. Also we'll use this as a lead into verification of Ventilation requirements. Should be a great session and one that lot's of folks could benefit from. Information flyer and registration form are in this newsletter and are on the web site.

Our next "Handbook Review" will be at the December meeting. Mr. Ed Tinsley (TME Inc.) will be our presenter. Knowing Ed's energy level, it should be great.

This Month in Arkansas ASHRAE History

By James McKinnie

15 Nov 1966: The chapter met at the Sam Peck Hotel, starting at 7:45pm. The president, Bill Woodsmall, announced that the Swedish Hospital in Seattle acknowledged the chapter's gift in memory of Mr. Bouillon. Kent Pettit distributed and briefed a state legislative bill for a statute of limitations in the construction industry. The technical speaker was Bob O'Connell of IBM, who presented "Computerized Computation of Heat Loss and Heat Gain." The material presented on the many aspects of an extensive computer program and the large amounts of information necessary for accurate calculation. The meeting adjourned at 9pm.

20 Nov 1979: The board met at the Sam Peck Hotel at 5pm. Discussion topics were scholarships, a seminar on load calculations, and CRC. After the social period, Jack Carter presented information on variable speed pumping. After dinner, Roy Gentry of Riddick Engineering Corporation presented on Gasahol and the design of production plants. The wide-ranging presentation addressed the fermentation process, production requirements and economics, necessary engine mods and DOE appraisal of available land.

07 Nov 1989: The board met at St. Vincent's Infirmary Medical Center at 4pm. Topics were organization for Engineer's Week, next month's Christmas party, and possible membership in a state-wide construction coalition. Jerry Baldwin led a technical discussion on how instantaneous instrumentation readings were changing the test and balance industry. The program speaker was Bill Mac of Contempo Engineering, who discussed precision environmental controls for computer rooms.

Refrigeration

By Mike McClellan

Unfortunately our refrigeration focused program has fallen through for November, for all that were excited about riding the bus to Clarksville, I apologize. I am still working to establish a field trip in the spring to meet our outreach goal to the refrigeration sector of our industry. Although we won't be on a tour, we do have a very interesting program that touches all of our industry, including the refrigeration sector, on Limiting Liability. November is a Refrigeration Program, therefore we are sending personal invitations to sixty Arkansas refrigeration contractors to attend the November meeting.

Attention Central
Arkansas Members

We will be having our
1st annual ASHRAE
Softball Game

Saturday – November 1st
2:00 P.M. - Shotgun Start
@
Reservoir Park

Email Eddie Finley (efinley@powersofarkansas.com)
and let him know what position you would want to
play and your skill level on a scale of 1-3:
1--athletically challenged
2--average
3--Barry Bonds

More info will be sent out next week.

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

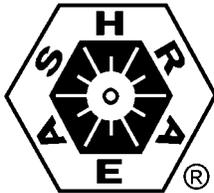
Board of Governors

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

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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: _____

ROUTING

For reservations to the Central Arkansas Chapter meeting fax this form by **Friday, October 31st** to **501-663-8888 Attn: John Carter**
 For reservations to the Northwest Arkansas Chapter meeting send this form by **Monday, November 10th** to **nwarkashrae@yahoo.com Attn: David Sheets**

MEMBER NAME (PLEASE PRINT)	CENTRAL Nov 5 th	NW ARK Nov 13 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 November Meeting

By John Carter, P.E., Program Chairman

Subject: Hello Arkansas-ASHRAE. Dwayne Shelton, Account Executive for First Arkansas Insurance will present a program on "Limiting Liability in the Construction Process". His program will discuss issues in the design, construction and service phases in the life of a building. A representative of the Dale Carnegie Institute to speak on the 10 golden rules and the stack technique of memorization for the tech session. November is a Refrigeration program, therefore we will be inviting the refrigeration contractors to attend this meeting.

When: Wednesday, November 5, 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 November meeting:

TRANE ARKANSAS

1501 Westpark Drive, Suite 9
 Little Rock, AR 72204
 Ph. (501) 661-0621 Fax (501) 661-9109
 www.trane.com

HVACR **Training Class**

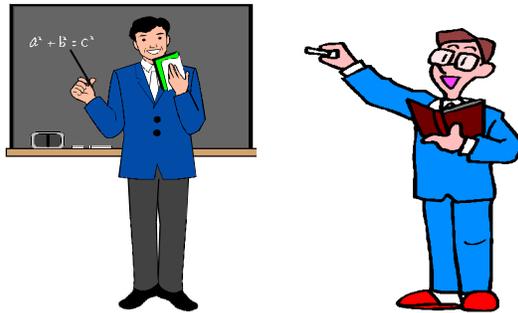
Subject: “Psychrometrics and Understanding Ventilation for IAQ”

When: November 5, 2003 6:30 – 9:30 P.M.

Where: Pulaski Technical College, IT Bldg. 1st Floor Conference Room
3000 West Scenic Dr.
North Little Rock, AR

Sponsored by: Arkansas Chapter of American Society of Heating, Refrigerating and Air Conditioning Engineers, Inc. (ASHRAE), the Arkansas Department of Health, HVACR Program, and Pulaski Technical College.

Course will include basic and slightly advanced use and understanding of the Psychrometric Chart. Also, use of psychrometrics to determine ventilation air requirements and quantities.



Instructors: Randy Moore – Airetech Corporation, Little Rock, AR

Chris Ahne – Trane Arkansas, Little Rock, AR

Fee: \$40.00 per person. Class size is limited. Please contact Tom Hunt at 501-812-2287. Make checks payable to Arkansas ASHRAE Chapter.

Fax Registration to Tom Hunt @ 501-812-2316

.....**Registration**.....

Yes, I will attend the “Psychrometrics” seminar on November 5th at Pulaski Tech

Name _____

Company _____