



# The Razorback Report

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

www.arkansasashrae.org

Volume XV, Issue VI, February 2004

## The President's Message

By Rick Sellers, P.E.

Greetings fellow ASHRAE members. Our January meeting at the Little Rock Club with CSI and USGBC was a great success. ASHRAE was well represented and we enjoyed a terrific program that was of interest to all three groups. It was also great to see the other members of our industry that normally don't come to our meetings. Thanks to everyone that attended and let's keep up the attendance by coming to the February meeting.

Our February meeting program is "Underfloor Air Distribution for Office Space Applications". Mr. Ken Loudermilk will be the presenter. This is another very timely presentation and I'm sure one you won't want to miss. Please note the meeting will be on a Wednesday at lunch (02/04/04) and will be back at the Whole Hog Café. I know you've all been craving some more of that great bar-becue so mark your calendars now and make plans to attend.

I'm pleased to announce that two members of the Arkansas Chapter have achieved the grade of "Life Member". The grade of "Life Member" is attained by accumulating 30 years of membership and reaching the age of 65. Congratulations to Mr. Bill Sharp and Mr. Ray Weathersby for reaching this milestone. When you see these gentlemen please be sure to congratulate them.

Our Chapters Regional Conference (CRC) is scheduled for April 22-24<sup>th</sup> in Tyler, Texas. I encourage everyone to make plans to attend. For those who have never been it's a very interesting (and fun) conference. Besides all the ASHRAE business, there will also be technical seminars offering PDHs. As you P.E.s know, there are never enough at the end of the year and this is a great way to get a few extra.

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 February 4<sup>th</sup>.

## February Meetings

### Central Arkansas

Date: Wednesday, February 4<sup>th</sup>  
Location: Whole Hog Cafe  
Meeting Room  
Cost: \$15.00 / person  
Schedule:  
10:30 am Board Meeting  
11:30 am Tech Session "Hot Gas By-pass & ASHRAE 90.1"  
by Cromwell Engineers  
11:50 pm Lunch Buffet  
12:15 pm - Program "Underfloor Air Distribution  
1:00 pm for Office Space Applications"  
by Mr. Ken Loudermilk

Meeting Sponsor: *Trane Arkansas*

### Northwest Arkansas

Date: Thursday, February 5<sup>th</sup>  
Location: A.Q. Chicken Resturant  
Springdale  
Schedule:  
5:30 pm Social  
6:00 pm ASHRAE Business / Dinner  
6:30 pm - Program - "Underfloor Air Distribution  
7:15 pm for Office Space Applications"  
by Mr. Ken Loudermilk

Meeting Sponsor: *Trane Arkansas*

## Northwest Corner

By David Sheets

The Northwest Arkansas Section of ASHRAE will have its next meeting on February 5th at AQ Chicken in Springdale. The meeting will be presented by Trane and the topic will be on Underfloor Air Distribution. Social Time will begin at 5:30, Dinner at 6:00 and Meeting at 6:45. Trane will provide prizes for the Jackpot Drawing so be sure to bring your dollar bills.

The January meeting presented by Rod Coole of AAON was well attended with 25 guests present. The coordinator was not on his game and bungled the jackpot drawing, but the speaker made a donation of \$30 and saved the day. This money will be sent to ASHRAE Research bringing our total to \$162 for the year. The winners and prizes were Jim White, sleeve of golf balls donated by Airetech; Jim Chapman, utility tool donated by Airetech; and Ken Haven, model truck donated by Benchmark.

Hope to see everyone at the February meeting.

## January Board of Governors, Officers, And Committee Chairmen Meeting Minutes

By Chance Hollingsworth, Chapter Secretary

**Call to Order:** President Rick Sellers called the meeting to order at 4:45 p.m. The meeting was held on January 6, 2004 at the Little Rock Club. Those present were: Rick Sellers, John Carter, John Hodoway, Chance Hollingsworth, Russell Black, Randy Moore, James Dayer, Tom Hanlon, Mike McClellan.

**President:** President Rick Sellers opened the meeting and requested Chapter Secretary Chance Hollingsworth to read Old Business. President Sellers announced Arkansas Chapter currently has the third highest dollar goal in Region VIII. President Sellers reported that Arkansas Chapter has reached its goal of full circle and received credit from society. ASHRAE has published a "Green Guide" the guide can be obtained from the ASHRAE web site. Chapter will acknowledge and recognize Mr. Bill Sharp and Mr. Ray Weathersby for achieving Life Membership status.

**Vice President/Programs:** Vice President John Carter announced today's meeting will be a joint meeting with C.S.I. and U.S.G.B.C. chapters. Vice President Carter received Eighty One R.S.V.P.'s with Eighty Nine expected to attend.

**Secretary:** Chapter Secretary Hollingsworth made a motion to approve Meeting Minutes as published in the January Newsletter. Motion approved.

**Treasurer:** Treasurer John Hodoway presented the monthly Treasurer's report.

**Membership:** Chairman James Dayer announced membership roster committee goal of publishing Chapter Roster by C.R.C. deadline.

**Research Promotion:** Chairman Randy Moore announced chapter would make its contribution to Research Promotion. Research Promotion has obtained 760 P.A.O.E. points with P.A.R. being 400.

**Historian:** No-Report

**Honors & Awards:** No-Report

**Student Activities:** No-Report

**TEGA:** Chairman Tom Hanlon announced Mr. Jerry Beauers will present a Program on Commissioning. The State Energy code is available for review and comment. Contact Randy Moore for an electronic copy of the Energy Code. Direct all code review comments to Steve Titus.

**Newsletter:** Chairman Wade Wetzler announced that January 20th will be the deadline for newsletter articles.

**Social:** No-Report

**Reception:** No-Report

**Webmaster:** No-Report

**Refrigeration:** Chairman McClellan to distribute a letter inviting Refrigeration Contractors to participate in local A.S.H.R.A.E. meeting and activities.

**Old Business:** (CRC Treasurer Wade Wetzler) establish a savings/money market account for CRC contributions.

**New Business/ Action Items:** Chapter Treasurer to draft a check for \$10,000.00 for Research Promotion from the Chapter Treasurer Account

**Adjournment:** After no further new business President Sellers adjourned the meeting at 5:22 p.m.

## January Arkansas ASHRAE Chapter Meeting Minutes

By Chance Hollingsworth, Chapter Secretary

**Call to Order:** At 6:15 a.m. the Chapter meeting was called to order with 35 members and 54 guests in attendance. The meeting was held at the Little Rock Club on January 6th, 2003. The program began with the Technical Session.

**Technical Session:** Technical session was presented by Ms. Jan Meyer of Cromwell Architects and Engineers. The technical session discussed the role of the U.S.G.B.C. in developing the L.E.E.D. rating system to promote healthier and more sustainable building design, construction and operation. Session outlined how L.E.E.D. credits are awarded and how the L.E.E.D. credit rating system works.

**Program:** President Sellers opened the general meeting at 7:00 P.M. T.E.G.A. Chairman Mr. Tom Hanlon introduced this month's program and presenter Mr. Jerry Beauers. Mr. Beauers program was titled "Commissioning" Mr. Beauers began the program by highlighting the fundamentals of commissioning. Mr. Beauers discussed N.E.B.B.'s role in training and commissioning agents as well as developing training methods and standards. Mr. Beauers discussed the key elements of commissioning and the commissioning phases.

**Adjournment:** With no further business the meeting was adjourned at 8:40 p.m.

### 2004 Region VIII CRC

April 22-24, 2004

Tyler, Texas

[www.ashrae-etex.org](http://www.ashrae-etex.org)

The East Texas Chapter of ASHRAE will be the host for the 2004 ASHRAE Region VIII Chapter Regional Conference. You are cordially invited to attend and enjoy some great, East Texas hospitality.



Tyler Municipal Rose Garden



Garden Valley Golf Resort



### **Student Activities**

By Chris Ahne

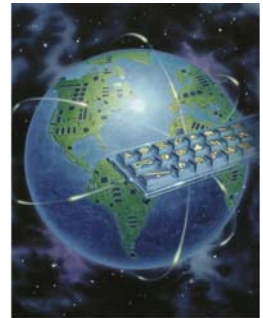
National Engineer's Week is the current focus of the student activities committee. This year's dates for National Engineer's Week are February 22<sup>nd</sup> –28<sup>th</sup>. In recognition of this annual event, we are planning to present our facet of engineering that is represented by ASHRAE, to local high schools, technology schools, and universities.

We are planning approximately 10 "teach-ins" at area schools. We need volunteers to help speak at these schools. We welcome alumni that are willing to speak at their alma mater, especially if you have done so in the past and it's been a few years since you've been back. Engineer's Week is a great time to return.

Additionally, we are planning a facility tour to demonstrate different aspects of our industry to the students. The tour has been planned for February 24<sup>th</sup> (1:00pm) at Immanuel Baptist Church. Cromwell Architects Engineers designed the new facility, located on Shackelford Road. Anyone that would like to participate in the tour and demonstration of the mechanical systems is welcome to come.

For more details about National Engineer's Week, you can go to the event website at [www.eweek.org](http://www.eweek.org).

I have received a few resumes from graduating engineering students. If anyone would like access to these resumes, please contact me at [cahne@trane.com](mailto:cahne@trane.com).



### **This Month in Arkansas ASHRAE History**

By James McKinnie

21 Feb 1975: Governor David Pryor declared 17-24 February as National Engineer's Week. The local chapter had significant responsibilities in planning the events for that week, with several officers and members working on the main planning and publicity committees. Winton Blount, chairman of Blount Inc. in Alabama, was the guest speaker at the banquet on 21 Feb. Mr. Blount had served as the U.S. Postmaster General and president of the U.S. Chamber of Commerce. His speech focused on engineers in all aspects of industry and their involvement in energy conservation, and encouraged those in the audience to get involved in government.

15 Feb 1983: The board met at the Sam Peck Hotel at 5pm, with discussions on PAOE points, committee reports, and national ASHRAE seminars. Bill Grant presented the technical session on the new mechanical requirements of the Southern Building Code. Jim Bailey of Riddick Engineering Firm presented the program on Computer Applications in the Engineer's Office. The discussion looked at the sophistication of systems, the use of color, costs and changes in productivity.

04 Feb 1992: The chapter met at St. Vincent's, with 66 members and 22 guests in attendance. The program speaker was Steve Glenn of ArkLa Gas, who discussed the future of natural gas vehicles. He presented details on the Clean Air Act, service station and vehicle construction, safety and tax credits.

### **Membership Promotion**

By James Dayer

We will soon publish the 2003-2004 Membership Directory via electronic mail. (We are calling it the E-Roster.) However, we will print paper copies of the Membership Directory upon request for anyone who wants a hard copy (or you may print one yourself). Remember that it is incumbent upon each member to maintain his or her own information log in ASHRAE's main computer. Changes in data, e.g., address changes, e-mail changes, phone number changes, etc. must be signed and faxed to ASHRAE Headquarters for processing.

Also, don't forget the Member-Get-A-Member promotion. For each new member that a current member sponsors, he/she will receive a coupon that is good for discounted ASHRAE literature, ASHRAE logo merchandise, or can be used as payment toward his/her annual membership dues.

**TEGA News**

By Tom Hanlon

Our January Program on LEED Certification then Commissioning was one of our best. What a terrific job by Jan Meyer and Jerry Bauer PE. Commissioning is becoming such a critical element in our projects. We all need to have the awareness of its impact and benefits. Again thanks to Jerry and NEBB for their participation in our meeting.

Our tech session for February will be "Hot Gas Bypass & ASHRAE 90.1" presented by The Cromwell Firm (Hamid Habibi PE or John Hodoway). Knowing how technical these guys are, this should be a good one. Plan to attend.

Steve Titus is heading up our Technology Awards effort for the remainder of this year. We have one entry and would really like to have more. Look through the completed jobs, find one your really proud of and let's get it submitted.

**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

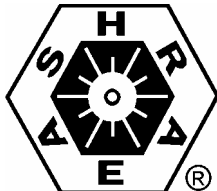
**Board of Governors**

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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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, January 30<sup>th</sup>** to 501-663-8888 *Attn: John Carter*

For reservations to the Northwest Arkansas Chapter meeting send this form by **Monday, February 2<sup>nd</sup>** to *nwarkashrae@yahoo.com Attn: David Sheets*

MEMBER NAME (PLEASE PRINT)	CENTRAL Feb 4 <sup>th</sup>	NW ARK Feb 5 <sup>th</sup>	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 February Meeting

By John Carter, P.E., Program Chairman

### *"Underfloor Air Distribution for Office Space Applications"*

#### Meeting Outline:

##### Introduction

##### Background Information

- A. Recent Building Trends
- B. Tenant Perspective
- C. Owner's Perspective
- D. Raised Access Flooring Systems

##### Underfloor Air Distribution

- A. Conventional (Mixing) Air Distribution
- B. Principles of Underfloor Air Distribution
- C. Operation (Video) of an Underfloor System
- D. Benefits and Advantages of Underfloor Air Distribution

##### Economics of the Raised Floor Platform

- A. Relocation and Reconfiguration Costs
- B. Construction Cost Impact
- C. Life Cycle Cost Analysis

##### Conclusion

#### About the Speaker:

Ken Loudermilk is the North American Marketing Manager for TROX Technik, a German manufacturer of air distribution and filtration equipment. Mr. Loudermilk earned his B.S. in Mechanical Engineering from the University of Arkansas (1977) and post graduate degrees from the University of Texas (Dallas) and Mercer University (Atlanta, GA). Mr. Loudermilk has been employed in the HVAC industry for nearly twenty-five years and held positions in engineering and management for TITUS and Price Companies, as well as his current employment at TROX. He has also been an active member of ASHRAE during that time, serving on several technical committees and having authored numerous technical papers.

Thanks to our February meeting sponsor:

## TRANE ARKANSAS

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