



# The Razorback Report

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

www.arkansasashrae.org

Volume XV, Issue VII, March 2004

## The President's Message

By Rick Sellers, P.E.

Greetings fellow ASHRAE members. We enjoyed another great program at our February meeting at the Whole Hog Café. Our meetings continue to be well attended – a testament to the interesting and timely topics and also the great food. Thanks to everyone that attended and let's keep the attendance up by coming to the March meeting.

Our March meeting program will be presented by Dr. Darrin Nutter of the University of Arkansas on ASHRAE Research Project 1016 "Effective Thermal Conductivity for Vertical-Bore Heat Exchangers with Groundwater Flow". Dr. Nutter is a longstanding Arkansas ASHRAE member and heavily involved with the UA Student Chapter. Please make plans to attend to show your support for Dr. Nutter and also learn more about this project and how your Research Promotion contributions in general are being used. The Tech Session will be on energy efficiency updates at the UA and will be presented by Alan Hope (TME), Jan Meyer (Cromwell) and Chris Benson (AR Energy Office). Please note the meeting will be on a Wednesday at lunch (03/03/04) and will be at the Whole Hog Café. Mark your calendars now and make plans to attend.

At our February meeting we elected the Nominating Committee for 2003-2004. The members are Paul Briscoe, Sam Cummings, Mike McClellan, Jim Monk, and Hank Wade, Jr. The Nominating Committee's task is to select one candidate for each of the Officer positions and the three Board of Governors positions. Elsewhere in this Newsletter you will find the Nominating Committee's report containing the names of the individuals they have selected. At the March meeting, additional nominations will be taken from the floor for each of the above mentioned positions. If there is more than one nomination for any of the positions (taken from the floor) a vote will be taken (at the March meeting) to select the name of the opposition candidate. At the April meeting, a vote will be taken between the Nominating Committee's candidate and the opposition candidate selected from the March meeting to elect individuals to each of the positions for a one year term (2004-2005).

Also in March (March 10<sup>th</sup>) we are conducting an ASHRAE Continuing Education Seminar (endorsed by the Arkansas HVACR Department) on the new Arkansas Mechanical Code. The seminar will be three hours and held at the AR Dept. of Health auditorium. The seminar will be presented by Mr. Terry Granderson (head of the Arkansas HVACR Department) and Mr. Sam Cummings (engineering member of the Arkansas HVACR Board). There are several significant differences between the old code and the new code and this will be an excellent opportunity to learn about them. The cost is only \$25 and PDH certificates will be available. See the enclosed flyer for more details.

As I mentioned last month, 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. You can find out more at <http://crc.ashrae-etex.org>.

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](http://www.arkansasashrae.org).

See you March 3<sup>rd</sup>.

## March Meetings

### Central Arkansas

**Date:** Wednesday, March 3<sup>rd</sup>  
**Location:** Whole Hog Cafe Meeting Room  
**Cost:** \$15.00 / person  
**Schedule:**  
 10:30 am Board Meeting  
 11:30 am Tech Session "Building Metering and Controls project at the U of A" by Alan Hope of TME Inc.  
 11:50 am Lunch Buffet  
 12:15 pm - Program "Effective Thermal Conductivity for Vertical-Bore Heat Exchangers with Groundwater Flow – an Extension of ASHRAE RP-1016 Research" by Dr. Darin Nutter of U of A

Meeting Sponsor: Innovative Solutions Group, Inc.

### Northwest Arkansas

**Date:** Thursday, March 4<sup>th</sup>  
**Location:** A.Q. Chicken Resturant Springdale  
**Schedule:**  
 5:30 pm Social  
 6:00 pm ASHRAE Business / Dinner  
 6:30 pm - Program "Update of ASHRAE RP-1016 Research Project" by Dr. Darin Nutter of U of A

## Northwest Corner

By David Sheets

The February meeting of the NW Arkansas Section had a great turnout with 30 members and guests present. Ken Loudermilk with TROX gave an excellent presentation on underfloor air distribution systems. The door prize winners were Sam Browning, Golf knife and golf balls; Bill Sharp, golf knife and coffee mug; and Greg Anderson, cash prize. The door prizes were donated by Trane and Greg donated his winnings (\$63) back to ASHRAE Research and increased the collection to a total of \$225.

The March meeting will be held on March 4<sup>th</sup> at AQ Chicken in Springdale. The speaker will be Dr. Darin Nutter. Social time will begin at 5:30, dinner at 6:00 and meeting at 6:45. Hope to see everyone there.

## February 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 10:35 p.m. The meeting was held on February 4, 2004 at the Whole Hog Cafe. Those present were: Rick Sellers, John Carter, Wade Wetzler, Russell Black, Chris Ahne, Tracy Hayes, Randy Moore, Eddie Finley, Tom Hanlon, Mike McClellan, Steve Titus.

**President:** President Rick Sellers opened the meeting and requested Old Business to be read. President Sellers made a motion to approve the proposed Arkansas Chapter nominating committee: Hank Wade Jr., Paul Briscoe, Jim Monk, Sam Cummings, and Mike McClellan. Vice President John Carter seconded the motion. President Sellers reported that Vice President Carter and he will be attending officer training on the 20<sup>th</sup> of February. Motion was made to publish electronic roster for general membership and a hard copy for those members without Email and to satisfy C.R.C. requirements. No Ads, expense will paid out of budget. Motion passed with the following amendment – Hard copies upon request and C.R.C. requirements. Roster will not include Email addresses.

**Vice President/Programs:** Vice President John Carter announced that he is looking for volunteers to fill key chapter positions next year, i.e. Treasurer, Student activities, refrigeration, T.E.G.A. etc. Vice President Carter received Forty Five R.S.V.P.'s for today's meeting. Next months meeting will feature a presentation presented by ASHRAE Chapter Member Darin Nutter.

**Secretary:** Motion was made to approve as corrected Meeting Minutes as published in the February Newsletter. Motion approved.

**Treasurer:** No Report.

**Membership:** No Report.

**Research Promotion:** No Report.

**Historian:** No-Report

**Honors & Awards:** Chairperson announced that no nominations have been received at this point to present at C.R.C.

**Student Activities:** Chairman Chris Ahne requested volunteer presenters for Engineers week as well as donations of supplies i.e., pens, etc.

**TEGA:** Chairman Tom Hanlon announced Terry Granderson volunteered to present a Code seminar on March 10<sup>th</sup> from 1:00- 4:00 to be held at the Arkansas Health Dept. auditorium. N.C.T.R. has volunteered to host an ASHRAE facility tour, no date set at this time. Chairman Hanlon requested a motion be made to reimburse speaker expenses of \$ 543.00. U.S.G.B.C. is willing to split expenses. Motion to pay \$ 271.50 for speaker expenses from general funds was voted on and passed.

**Newsletter:** Chairman Wade Wetzler announced that February 17th will be the deadline for newsletter articles.

**Social:** Chairman Eddie Finley proposed a bowling social event tentatively set for Feb. 25<sup>th</sup>.

**Reception:** No-Report

**Webmaster:** No-Report

**Refrigeration:** No Report

**New Business/ Action Items:** Social Chairman Finley to coordinate and set spring golf fundraiser not to interfere with the Hospital Engineers Conference. Newsletter Chairman Wade Wetzler to forward a list of names for the roster to Russell Black.

**Adjournment:** After no further new business President Sellers adjourned the meeting at 11:20 a.m.

## February Arkansas ASHRAE Chapter Meeting Minutes

By Chance Hollingsworth, Chapter Secretary

**Call to Order:** At 11:35 a.m. the Chapter meeting was called to order with 69 in attendance. The meeting was held at the Whole Hog Cafe on February 4th, 2004. The program began with the Technical Session.

**Technical Session:** Corey Imhoff of Cromwell Architects and Engineers presented technical session. Technical session addressed hot gas bypass and ASHRAE 90.1. Mr. Imhoff discussed applications, piping arrangements, and benefits of using hot gas bypass. Mr. Imhoff discussed ASHRAE 90.1 guidelines for using hot gas bypass – 20 tons or less – up to 50% of capacity can be bypassed, Over 20 Tons – up to 25% of capacity can be bypassed.

**General Meeting:** President Sellers opened the general meeting at 12:25 P.M. President Sellers proposed and the chapter approved the following motions:

Nominating committee comprised of Paul Briscoe, Hank Wade Jr., Mike McClellan, & Jim Monk.

Arkansas Chapter's \$10,000 contribution to ASHRAE Research.

Mr. Bill Harrison presented an overview of the winter meeting, and Mr. Granderson announced the Code Seminar sponsored by the Arkansas Health Department.

**Program:** President Sellers introduced this month's program and presenter Mr. Ken Loudermilk. Mr. Loudermilk's program was titled "Underfloor Air Distribution for Office Space Applications". Mr. Loudermilk began the program by highlighting a B.O.M.A. survey titled "What office tenants want". Survey concluded that comfortable temperature, temperature control, I.A.Q. and Noise Control ranked highest among concerns by those surveyed. Other concerns revealed by the survey were the desire to reduce operation and maintenance expenses, to create a comfortable and healthy environment for tenants and increase space flexibility. Mr. Loudermilk discussed raised floor benefits, drawbacks, system design, operating characteristics, and L.E.E.D. implications.

**Adjournment:** With no further business the meeting was



### East Texas 2004, Region VIII CRC

#### Location

Holiday Inn Select, 5701 South Broadway Avenue  
Tyler, Texas

The East Texas Chapter of ASHRAE will be the host for the 2004 ASHRAE Region VIII Chapter Regional Conference.

#### Dates

April 22 - 24, 2004

#### CRC Chairman

Robert Helt, 903-581-3651

[robert.helt@trane.com](mailto:robert.helt@trane.com)

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

**TEGA**

By Tom Hanlon

Top item for TEGA this month is the upcoming "Arkansas Mechanical Code" seminars. Terry Granderson has agreed to a couple of three-hour sessions to update the engineering community on the newly adopted code.

The Central Arkansas date is Wednesday, March 10<sup>th</sup> @ 1:00 PM. Location is the Arkansas Department of Health Auditorium. The date for the Northwest seminar is Wednesday April 21<sup>st</sup> @ 1:00 PM. Location is being finalized and will be announced in next months newsletter.

Also remember to pick up your copy of the new State Code and have a look before the seminar. Copy of the Central Arkansas flyer / registration form is in this newsletter and on our web site. The Northwest flyer / registration form will be out when the location is selected.

Contact Steve Titus to enter your Technology Awards application for this year. We have some really outstanding projects out there. Let's brag on them.

Jumping ahead to the May meeting and site tour. As mentioned earlier we are planning our meeting at NCTR. Our tech session will be a demonstration of HEPA filter integrity testing. Our meal, served in the local "chow hall", will be home cooking style, and these folks can really cook!! The program will be on the current projects underway at the facility. Most probably the new district cooling project which will be close to completion. The Engineering Staff (Ted Kozak, Gregg Tapp and Tommy Baioni) are really excited about us being there. Should really be interesting.

**This Month in Arkansas ASHRAE History**

By James McKinnie

19 Mar 1968: The chapter met at the Sam Peck hotel and discussed a future joint meeting with ASME, next year's slate of officers, and an increase in the meal price to \$3. Art Pfeifer conducted the technical session on overload and phase failure relays. William Lally, Director of Technical Sales for the Zurn Company, presented the program on "The Causes and Nature of Water Hammer" with the assistance of some slides and blackboard designs.

15 Mar 1988: The board met at the Holiday Inn-Downtown at 4:30pm to discuss the results of the February casino party held with the local Women in Construction chapter. The board voted to pay the ASHRAE portion of the party with chapter funds, and to donate the party proceeds to ASHRAE Research. The board also reviewed the slate of officers for next year. The board also discussed how the chapter can earn PAOE points for membership on ASHRAE technical committees or as reviewers of technical material. Jim Bradford conducted the technical session on controlling humidifiers. Frank Tanner of Johnson Controls presented the main program on protocols to make digital control systems compatible with each other.

20 Mar 1992: The local chapter had a special "Roast and Toast" of Allen Bullard, held at the ArkLa South Station Party House. Mr. Bullard had been a strong member of the local chapter since the 1950s. Over 110 people attended, including family members from Philadelphia and Los Angeles. President Jim Monk presented Mr. Bullard with the chapter's Ernest Pettit Award. Rowe Hill, Art Pfeifer and Joe Miller, along with a sister and a former co-worker at the Arkansas Gazette, had plenty to say about Mr. Bullard, who naturally provided his own response.

**Refrigeration Committee**

By Mike McClellan

Did you know that 2004 is the 100<sup>th</sup> anniversary of the founding of the American Society of Refrigerating Engineers?

ASRE merged in 1959 with ASHAE to form ASHRAE. ASRE's founding ideology 'as a society dedicated to promote the arts and sciences connected with refrigerating engineering' is part of ASHRAE today. Add a few more words including heating, ventilation and air conditioning and you have ASHRAE's current mission. "ASHRAE will advance the arts and sciences of heating, ventilation, air conditioning, refrigeration and related human factors to serve the evolving needs of the public and ASHRAE members."

In acknowledgment of ASRE's history, Arkansas ASHRAE is reaching out to the refrigeration industry. The goal of this committee is to raise awareness among Arkansas' refrigeration industry to the benefits of ASHRAE membership. We are sending a second letter to all licensed refrigeration contractors, inviting them to attend our meetings and advising them about the amazing handbook that ASHRAE publishes. The 6 page, Refrigeration Handbook 'table of contents' will be included, directing their attention to the knowledge that is available through ASHRAE. It is our intention to grow our membership within this community.

If you know anyone in the refrigeration field that might benefit from ASHRAE membership, please send me an e-mail, [mjmccllellan@trane.com](mailto:mjmccllellan@trane.com), with their address and they will be included in the mailing.



Mark your calendars

**2004 ASHRAE  
Research Spring  
Golf Tournament**

**Friday – May 7<sup>th</sup>  
1:00 P.M.  
Shotgun Start**

**Cypress Creek Golf  
Course  
Cabot, Arkansas**

**Attention Members:**

The Nominating Committee has slated Steve Titus for the position of incoming Treasurer, John Hodoway for Secretary, Chance Hollingsworth for President Elect and John Carter for President for the 2004-2005 ASHRAE year.

Also slated for At Large Board of Governor positions are: Randy Ragsdale, Tracy Hayes & Tom Hanlon.

In accordance with Article VII of the Bylaws of the Arkansas Chapter of ASHRAE, additional nominations will be taken from the floor at the March Chapter meeting. At the April Chapter meeting, the nominees will be voted on and the winners inducted into their respective positions.

Respectfully Submitted,

Mike McClellan  
Chairman of Nominating Committee  
ASHRAE Arkansas Chapter

**2003-2004 Chapter Officers**

<u>President</u>	Rick Sellers	501-374-3731	fax: 374-1802
<u>Vice-Pres.</u>	John Carter	501-666-5463	fax: 666-8253
<u>Secretary</u>	Chance Hollingsworth	501-374-5420	fax: 370-9298
<u>Treasurer</u>	John Hodoway	501-372-2900	fax: 372-0482

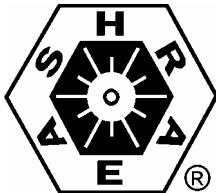
**Board of Governors**

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	501-666-5463
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, February 27<sup>th</sup>** to 501-666-8253 *Attn: John Carter*  
 For reservations to the Northwest Arkansas Chapter meeting send this form by **Monday, March 1<sup>st</sup>** to *nwarkashrae@yahoo.com Attn: David Sheets*

MEMBER NAME (PLEASE PRINT)	CENTRAL March 3 <sup>rd</sup>	NW ARK March 4 <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 March Meeting

By John Carter, P.E., Program Chairman

*"Effective Thermal Conductivity for Vertical-Bore Heat Exchangers with Ground-water Flow – an Extension of ASHRAE RP-1016 Research"*

Hello, Arkansas. This month's speaker, Darin Nutter (of the University of Arkansas) will present a program on ground source systems. As a prelude to the program, Alan Hope (of TME, Inc.) will present a technical session on "The Building Metering and Controls project at the University of Arkansas". To learn about the latest technology in ground-source systems and campus energy distribution systems, we invite you to come to the March 3rd Arkansas-ASHRAE meeting!

Thanks to our March meeting sponsor:



**Innovative Solutions Group, Inc.**  
 Ph. (501) 803-3328 Fax (501) 803-4920  
[www.isgincorp.com](http://www.isgincorp.com)

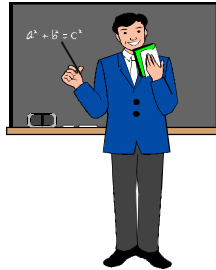
**ASHRAE**  
**Continuing Education Seminar**

**"The 2004 Arkansas Mechanical Code"**

**When:** March 10<sup>th</sup>, 1:00 PM to 4:00P.M.

**Where:** Arkansas Department Health – Auditorium  
4815 W. Markham St. – Little Rock

**Sponsored by:** Arkansas Chapter of American Society of Heating, Refrigerating and Air Conditioning Engineers, Inc. (ASHRAE). Endorsed by the Arkansas HVACR Department.



Participants will receive certificates and (3) P.D.H.s upon completion.

**Presenters:**

Mr. Terry Granderson, Director of the Arkansas HVACR Department.

Mr. Sam Cummings, Pettit & Pettit Engineers. Engineering member of the "HVACR Licensing Board".

Attendees are encouraged to secure and review the new code prior to the seminar. Copies @ \$45.00 each are available from:

Arkansas HVACR Department  
C/O Arkansas Department Health  
4815 W. Markham St. - Slot #24  
Little Rock, Ark. 72205  
Phone 501-661-2642

**Fee:** \$25.00 per person. Contact Tom Hanlon @ Trane Arkansas 661-0621 or tjhanlon@trane.com. Make checks payable to Arkansas ASHRAE. Fax registration to 501-661-9109 and pay at the door or mail to 1501 Westpark Suite #9, Little Rock, Ark 72204.

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

Yes, I will attend the "2004 Arkansas Mechanical Code" seminar on March 10th

Name \_\_\_\_\_

Company & Phone # \_\_\_\_\_