



THE RAZORBACK REPORT

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

www.arkansasashrae.org

Volume XIV, Issue V, January 2003

The President's Message

By Randy Moore, P.E.

Best wishes for the Holidays to everyone. We are half way through a busy year and have lots of exciting things for our membership in 2003. The Arkansas Chapter is pleased to announce the organizing meeting of the Arkansas Organizing Chapter of the United States Green Building Council (USGBC). Many of our colleagues in the industry are participating in their first meeting in January - "Green Happenings" around our State. Mrs. Martha Jane Murray with the Wilcox Group here in Little Rock is the Organizing Chapter Steering Committee Chair. The Local Organizing Chapters' first meeting will be Thursday January 9, 2003 at 11:45 AM; at The Little Rock Club in the Regions Financial Center. Lunch will be \$15 for USGBC members and \$20 for non-members (2 hour parking will be included with cost). Membership information will be available at the meeting. The program will include recognition of all Arkansas USGBC members and the LEED Accredited Professionals to date. The program will include an overview of the goals for 2003 by Martha Jane Murray, USGBC Steering committee chair; an update on Arkansas sustainability efforts in 2002 by Gerald Cound of Heifer, International; and a special guest speaker to be announced. In addition, the USGBC Steering Committee is anticipating a significant announcement for attendees at the January meeting. The local chapter of USGBC is encouraging anyone in the industry to get involved, and especially consider attending meetings to keep updated on new sustainable building information. You do not have to be a USGBC member to attend and will have the opportunity to network with colleagues in our industry with interest in sustainable buildings.

I am also pleased to announce some response to last months request for participation in a committee to organize a panel discussion on the standard of care for indoor air quality in public schools within Arkansas. Mr. Marshall Moody, our Northwest Section Chair is interested in participating in the ad hoc committee. Please contact Marshall or myself if you have any interest in meeting to organize the panel discussion. Happy New Year to all and thanks for participating in your local chapter activities. Look inside the newsletter for more details for the New Years' activities.

January Meetings

Central Arkansas

Joint Meeting with CSI

Date: Tuesday, January 14th
Location: Little Rock Club, Region's Building
Cost: \$20.00 / person
Schedule:
4:45 PM Board Meeting
5:30 PM Social
6:15 PM Dinner
7:00 PM Program - "Prevention of Mold in HVAC Systems" by Bill Jones, P.E.

Meeting Sponsor: *Pettit & Pettit Engineers*

Northwest Arkansas

Joint Meeting with AIA

Date: Thursday, January 9th
Location: A Q Chicken
Springdale, AR
Schedule:
5:30 PM Social
6:00 PM ASHRAE Business / Dinner
6:30 PM Program - "Leadership in Energy and Environmental Design" by Mr. Dennis Wells

Meeting Sponsor: *Johnson Controls*

Northwest Corner

By Marshall Moody

Happy 2003 to all! Thank you, to all those who attended the December meeting. A special thanks to Alan Hope of TME, Inc. for working with us to reschedule our meeting and for heading to Fayetteville during all the holiday hoopla.

Our next meeting will be held on Thursday, January 9, 2003 at AQ Chicken in Springdale. The presentation is on "Leadership in Energy and Environmental Design (LEED)". This will be a joint meeting with the Northwest Arkansas Chapter of AIA so we expect a large turnout. The speaker will be Dennis Wells from Johnson Controls.

The meeting will begin at 5:30 PM. Hope you can make it for another evening of good food, fellowship, and important information.

Hope to see you on January 9th!



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 10th** to 501-374-1802 **Attn: Rick Sellers**

For reservations to the Northwest Arkansas Chapter meeting fax this form by **Monday, January 6th** to 479-582-4747 **Attn: Marshall Moody**

MEMBER NAME (PLEASE PRINT)	CENTRAL Dec 14 th	NW ARK Dec 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.

December Meeting Summary
 by: Rick Sellers, 2002-2003 Vice President/Program Chairman

This months meeting will be a joint meeting with ASHRAE and CSI

Prevention of Mold in HVAC Systems
 by
 Mr. William "Bill" Jones, P.E.
 Jones Engineering

The presentation will cover background on mold such as mold and health, why mold is a concern now, when should mold be a concern, key requirements for microbial contamination, when mold becomes a problem, and health effects. Mr. Jones will also discuss guidelines and regulations for mold, moisture in buildings and HVAC sources of moisture, and HVAC specific areas of concern, and new construction vs. renovations when it deals with the prevention of mold.

TEGA News

By Tom Hanlon

Happy Holidays and Best of the New Year:

Still lots of activity in TEGA.

ASHRAE 90:1 Seminar. Steve Titus and the folks from Department of Energy have finalized the dates for the seminar. April 17th @ the Holiday Inn Select. Cost is \$175.00 per person with a limit of 50 attendees. Will be instructed by Jeff Ross w/ Southface Energy. Much more on this at the January Meeting.

Related to the 90:1 matter we need to have a couple of chapter members attend the trainer training being held in conjunction with the Winter Meeting in Chicago. Realize it's short notice, but if you're going to the meeting and would like to become a trainer please contact Steve.

Very pleased to announce that Bill Howard and Richard Green with the Center for Disease Control (CDC) will be conducting a four-hour continuing education seminar on Biological Lab Design and Operation on March 5th. Session will start just after our noon meeting and last the four hours. In addition to our membership we're going to extend invitations to the Lab Operating community which will include folks from NCTR, Med Center, Department of Health, VA etc. Expect a big turnout. Thanks to Dr Stan Falk (Ark Department of Health) for his assistance with this. Should be a great session.

System Effect seminar in Springdale. Conducted on December 11 @ Northwest Technical Institute. Had 43 attendees for the 3-hour session. Presented by Mr. Ron Spencer (Airetech - Tulsa). Very well done, was interesting and fast moving with lot's of participation by those attending. Our thanks to Mr. Eric Stiles at the school and to Ron Spencer for the great job. Was arraigned by Terry Granderson and the HVACR department. Thinking of doing the same seminar in central Arkansas in the spring.

Technology awards. Come on. There has to be some great projects you've done that merit recognition. Give us a shout and let's get them submitted. We need to top last years two regional award winners. Thanks.

This Month in Arkansas

ASHRAE History

By James McKinnie

16 Jan 1969 – The chapter met in the evening at the Peck Hotel. The Regional Director, Jack Thompson, briefed the chapter board on membership recruiting and growth and pride in the society. After the social hour and dinner, Joe Miller presented material on DX coil control in multizone units. The main presentation was by Jack Gray of Westinghouse Electric Corporation (Pittsburgh, PA) on "The Past, Present and Future of Atomic Power."

20 Jan 1976 – The board met in the evening and approved invitations to the ASHRAE national and Region VIII officers to attend the upcoming Engineers Week Banquet. The board also approved the recommended research fund goal of \$5,000. After the social hour and dinner, a panel led by moderator Jim Conner discussed the design, history and physiological impact of bicycles.

17 Jan 1984 – The board met in the evening at the Sam Peck Hotel and discussed relocating chapter meetings to accommodate a 1-year renovation of the hotel. After the social hour and dinner, Mr. Rick Lane of Arkansas Power & Light presented material on the Control of Airborne Radiation at the Arkansas Nuclear One/Two facility, with particular emphasis on air circulation patterns and shielding.

December Northwest Arkansas Section ASHRAE Meeting Minutes

By Marshall Moody

The December 13, 2002 Northwest Arkansas Section of ASHRAE was held at Goodson's Restaurant, Fort Smith, Arkansas. Mr. Marshall Moody called the meeting to order at 6:10 p.m. There were 11 members and 6 guests in attendance.

Mr. Moody introduced Mr. Andy Lyons of Airetech/Northwest Controls who did a technical session on Turbocore compressors. Andy made the point that these are extremely efficient compressors that theoretically should not fail due to wear because they levitate in an electromagnetic field.

Following dinner, Mr. Moody announced that the next Northwest Section meeting will be Thursday, January 9, 2003 at the AQ Chicken House in Springdale. The presentation is on "Leadership in Energy and Environmental Design (LEED)". This will be a joint meeting with the Northwest Arkansas Chapter of AIA.

Mr. Moody introduced Mr. Alan Hope with TME, Inc. who gave a presentation entitled "Chilled Water for the 21st Century." Mr. Hope's presentation centered around helping chilled water users do more with less. He presented a case study that showed that variable flow does not always have the best life-cycle cost. He then discussed how engineers can help their clients by looking at the advantages and disadvantages of varying water flow and ΔT to increase and/or maximize their capacity. He also presented a case study on a district cooling plant that enabled a college campus to reduce their number of chillers from 22 to 6 while saving the university approximately \$100,000 per year in electric costs. The meeting was adjourned at 7:35 p.m.

Membership

By Russell Black

We are proud to announce that we have eleven new students who have applied and been accepted as Student Members of ASHRAE. The eleven are all students at Arkansas Tech University in Russellville. Congratulations to Chris Ahne, the Student Activities Committee Chair, for a job well done, and a special thanks goes to Coby Sutton and Wayne Helmer for a fantastic recruiting effort. The eleven new student members are Curtis Halvorson, Eric Pollard, Brandon Keeton, Noah Kinder, David Burk, Lucas Howard, Micah May, Marcus Ibarra, Daniel Ibarra, Scott Pryor, and Timothy Ibarra.

2002-2003 Chapter Officers

<u>President</u>	Randy Moore	501-280-0404	fax: 280-9200
<u>Vice-Pres.</u>	Rick Sellers	501-374-3731	fax: 374-1802
<u>Secretary</u>	John Carter	501-666-6776	fax: 663-8888
<u>Treasurer</u>	Chance Hollingsworth	501-374-5420	fax: 370-9298

Board of Governors

Eddie Finley	501-374-5420
Doug Bown	501-227-8181
Steve Titus	501-375-1181
Mike McClellan (Delegate)	501-661-0621
Tracy Hayes (Alternate)	501-280-0404

Committee Chairs

Directory	Russell Black	501-327-2409
Membership	Chris Shaw	501-280-0404
Student Activities	Chris Ahne	501-661-0621
Programs	Rick Sellers	501-374-3731
Historian	James McKinnie	501-987-7666
Research	John Hodoway	501-372-2900
Honors & Awards	Alan Hope	501-666-6776
TEGA	Tom Hanlon	501-661-0621
Newsletter	Wade Wetzler	501-753-6652
NW Section	Marshall Moody	479-582-8239
Social	Chris Call	501-663-8886
Reception	James Dayer	501-663-8886
Webmaster	Brett Bolan	501-661-0621

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