



THE RAZORBACK REPORT

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

Volume XII, Issue VII

www.arkansasashrae.org

March 2001

The President's Message

by Mike McClellan

Hello ASHRAE members and guests. Thank you for your attendance last month. We continue to post great numbers averaging 66 members and 32 guests per month.

February's programs were an excellent information exchange with Bill Goodman's presentation on the Little Rock School District, Dr. Fred Fowler's results of the Dept of Health IAQ study in schools and Dr. Darrin Nutter's findings in ASHRAE research project, RP 1016.

Arkansas ASHRAE involvement with students includes fourteen University of Arkansas students in attendance at the Northwest Section meeting while the Engineers Week activities are expected to involve more than 100 students.

Also, don't forget to make your research contributions. Alan Hope will be contacting you soon. Those dollars are being spent in Arkansas educating Arkansas students so thank you.

We have strong programs to finish the year so make sure you invite a guest or encourage a fellow employee to attend. I look forward to seeing you at the next meeting.

March Meetings

CENTRAL ARKANSAS

Date: Wednesday, March 7th
Location: Little Rock Club, Regions Bldg.
Cost: \$16.00 / person
Schedule:
10:30 AM Board Meeting
11:15 AM Technical Session - "Air Control in Pumping Systems" by Mr. Ken Luther
11:45 AM Lunch Buffet
12:15 PM Program "Modern Variable Volume Pumping Systems" by Mr. Ken Luther

NORTHWEST ARKANSAS

Date: Thursday, March 8th
Location: Sparks Regional Medical Center Education Center, Fort Smith
Schedule:
5:30 PM Social
6:00 PM ASHRAE Business / Dinner
6:40 PM Program "International Building Codes" by Wally Bailey

ASHRAE Razorback Chili Cook-Off

March 3rd, 2001



Arkansas vs. Georgia
On Big Screen at Powers of Arkansas
GAME TIME 2:05

So be prepared to eat like a hog
& watch the game!!

Chance Hollingsworth
Social Chairman



Several teams will prepare their own chili for you to enjoy.

Teams will be prepared to serve their chili by 1:00 p.m.

Contest winner will be the team who raises the most money by selling their chili.

All monies raised will go to ASHRAE Research

February BOG Meeting Minutes

By Randy Moore, Secretary

BOARD OF OFFICERS

Call to Order: President Mike McClellan called the meeting to order at 10:43a.m. The meeting was held on February 7, 2000 at The Little Rock Club in Regions Bank Building. Those present were: Rick Sellers, Randy Moore, Tracy Hayes, Mike McClellan, Tom Hanlon, Wade Wetzler, Brett Bolen, Richard Palmer, John Hodoway, Jim Monk, John Carter, Chance Hollingsworth, and Chris Call. President McClellan opened the meeting with the Officer and Board Member reports as follows. **President:** Mike McClellan updated posting of PAOE points on the ASHRAE website. Also, President McClellan reported attendance for meetings thus far includes 261 members and 97 guests for an average of 71 people for Little Rock and 17 in the northwest section. This average total of 98 this year is higher compared to last year's average of 75 and prior year average of 84. Also, Mike has chapter operations manual on disk for officer's use.

Vice-president: Tracy Hayes reported we have 57 rsvs for today's meeting. Mr. Ken Luther will present the next meeting program with the topic of pumping systems. Also, Tracy asked members to contact her for professional development hour's certificates indicating attendance to ASHRAE meeting. Tracy reminded the Board about the Spring ASHRAE golf outing on April 20th, and our CRC in Houston on May 3rd through 5th.

Secretary: Randy Moore requested board approval of January Meeting minutes as published in the January Newsletter with a correction for location of February and March meetings at the Little Rock Club and April meeting at the Little Rock Country Club.

Treasurer: Rick Sellers submitted the monthly treasury report for February.

STANDING COMMITTEE REPORTS

Membership: Richard Palmer reported Steve McConnell has joined the membership committee and is telephone campaigning to membership for renewals.

Student Activities: Tom Hanlon reported Engineers Week is the end of February and activities include visits to local schools for presentation of career opportunities in the HVAC industry and a tour of Stephens Elementary School. Tom requested chapter support for lunches during the tour of Stephens Elementary School. Tracy Hayes motioned to request corporate sponsor support during announcements at today's meeting. Also, Tom reported Todd Castleberry and Chris Shaw would present opportunities in our industry to the pre-engineering class at Bryant High School. Thomas Holman is working on the ASHRAE Chapter Scholarship and should present candidates at our next meeting.

Historian: John Hodoway reported there will be a History Update to our website on next week.

TEGA: John Carter will make forms available to membership at today's meeting for Entries to Chapter Competition. The deadline for entry in Chapter Technology Award competition is March 15th.

Refrigeration: No Report.

Research: No Report except request by Alan Hope to keep those checks for contribution to ASHRAE research coming to achieve par and reach our goal of a \$10,000.00 chapter contribution for research promotion.

Newsletter: Wade Wetzler set the article deadline for next newsletter on February 19, 2001. Send article to Wade's

email at wawetzler@aol.com.

Social: Chance Hollingsworth submitted Chili Cook off Social event on March 3rd. Proceeds from event will benefit ASHRAE Research. See Chance for flyer.

Reception: No Report.

Webmaster: Brett Bolan reported 902 hits at our website since last month with most at newsletter and Home Page.

Unfinished Business: None.

New Business: President McClellan again requested timely reporting of PAOE information. With no other new business to discuss the meeting adjourned at 11:20a.m.

Central Arkansas Chapter February Meeting Minutes

By Randy Moore, Secretary

Call to Order: At 11:24 am, the Arkansas Chapter meeting began with a technical session presented by ASHRAE Member Mr. Bill Goodman, PE on the Little Rock School District – Construction Program.

Technical Session: The tech session covered the plans for the Little Rock School District to upgrade facilities using the \$120 million dollar bond issue approved by voters in the spring election of 2000.

Program: At 12:00 pm, President McClellan called meeting to order and made chapter announcements. At 12:17 pm, Dr. Fred Fowler presented the program on Asthma and Environmental Factors in Schools and Homes.

Adjournment: With no further business to come before the membership, the meeting concluded with closing comments from our guests with CSI and adjournment at 7:43pm.

Northwest Arkansas Chapter February Meeting Minutes

By John Symonds

Northwest Arkansas Section of ASHRAE meeting was held on February 8, 2001 at the Fayetteville A.Q. Chicken Restaurant. Approximately 40 members, students and guests were in attendance.

Mr. Bill Sharp called the meeting to order at 6:08 p.m.

New Business:

A. Bill Sharp announced that there would be a Northwest Section planning meeting and invited all who would like to attend. Bill said that the meeting schedule would be published at a later date.

B. Bill Sharp indicated that the Northwest Section would host a fall golf outing.

C. Bill introduced Mike McClellan, Arkansas ASHRAE's chapter president. Mike promoted student membership.

D. Bill announced that the March Northwest Section meeting would be in Fort Smith at Sparks Regional Medical Center's Education Center. The guest speaker will be Mr. Wally Bailey, Director of the Fort Smith Planning Department.

E. Mr. Tom Hanlon, ASHRAE's Student Activities chairman, announced that February 18-24, 2001 was Engineers' Week and was recruiting volunteers to help with the February 23 Westark Baldor Technology Center tour and luncheon.

Dr. Darrin Nutter and Mr. Matt Sutton presented the program on the results of their ASHRAE research on vertical borehole design for use with water source heat pump design.

The meeting was adjourned at 8:32 p.m.

TEGA

By: John Carter

Arkansas-ASHRAE Technology Award

We need completed applications. If you have participated in the implementation of projects of which the scope included energy reduction, indoor air quality improvements, innovative technical solutions, operation and maintenance improvements, and cost effectiveness; we need your response and participation. Your participation not only furthers the education of your industry but also allows us to recognize your accomplishments locally (and hopefully on a society level). Awards will be given for EACH of the following categories:

- | | |
|----------------------------|---------------------------------------|
| 1. Commercial Buildings | 4. Industrial Facilities or Processes |
| 2. Institutional Buildings | 5. Public Assembly |
| 3. Health Care Facilities | 6. Residential |

The field remains wide open in all categories; so, let us hear from you. Application forms were mailed with the January newsletter. If you need another form, please contact me @ jtc@tinsleymullen.com or 666-6776 and I will get one to you.

Chapter Involvement Survey

The GA in TEGA represents our chapter's governmental activities. The TEGA committee would like to determine the involvement of our chapter in public service. I know we have a number of members who serve (or have served) on School Boards, Neighborhood Associations, local code committees; ASHRAE committees; attended city council meetings; or other. So, we would request you fill out the attached Chapter Involvement Survey form included with this newsletter. This will enable us to know our chapter's strengths in serving our community and allow the Chapter to recognize those who are serving in specific roles. So, **please fill out the attached Chapter Involvement Survey Form**. Thanks.

History

By: John Hodoway

Chapter Origins

The first formulary meeting of the proposed Arkansas Chapter of the American Society of Heating and Ventilating Engineers was held on November 19, 1951 at the offices of Little Rock Refrigeration Company with 35 local and prospective members present.

Mr. D.M. Allen of Kansas City, a Council Member of the Society spoke to the group of about the Principles, Aims, and History of the Society. ASH&VE was founded in 1895 and had grown to more than 8,400 members in 1951. Its principal objectives were outlined as advancement of the arts and sciences of Heating, Ventilating, and Air Conditioning and to conduct scientific researches and educational facilities for the benefit and welfare of the general public.

Temporary officers were elected and included Ernest Pettit as Chairman, Herman Cumnock as Vice-Chairman, Rawland Blaylock as Secretary-Treasurer, and Jack Franklin as Membership Chairman. Mr. Stanford Beatty, President of the Shreveport Chapter, outlined procedures of that chapter during its organizational period.

The next meeting was set for December 4, 1951 at the Albert Pike Hotel.

At the December 4, 1951 meeting, the program was presented by Mr. H. E. Degler of Marley Cooling Tower on "Water Cooling Equipment for Refrigeration and Air Conditioning" to the forty-seven attendees. Mr. Robert Larkin, President of the Memphis Chapter, gave a brief talk on chapter operations. Regular meetings were set for the third Tuesday of each month with the next meeting on January 15, 1952.

The January 15, 1952 meeting saw forty eligible members sign the charter application to ASH&VE with a total of 44 present. The program featured Mr. Ed Decker of Carrier Corporation speaking on "Absorption Refrigeration Machines"

It was decided to continue meeting at the Albert Pike Hotel.

The Arkansas Chapter of ASH&VE was chartered on January 27, 1952.

Student Activities

By: Tom Hanlon

The facility tour at Stephens Elementary in Little Rock was a big success! We had 48 people attend the tour, including 27 students and 7 advisors from Central High School, Pulaski Tech, Metropolitan Career Center, UALR, and Arkansas Tech. Special thanks to the 11 ASHRAE volunteers who helped bring the tour to students of this area. The volunteers were: Tracy Hayes, Don Huggins, Bill Goodman, Mike McClellan, Chris Ahne, Wade Wetzler, John Carter, Vernon Wade, Steve Titus, John Oliver, and Wayne Helmer.



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2000-2001 Chapter Officers

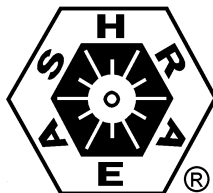
President Mike McClellan 661-0621 fax:661-9109
Vice-Pres. Tracy E. Hayes 280-0404 fax:280-9200
Secretary Randy Moore 280-0404 fax:280-9200
Treasurer Rick Sellers 834-3320 fax:834-5416

Board of Governors

Chris Call 663-8886
 Jim Monk 376-7155
 Sherry Baldwin 221-3250
 Mark Carter (Delagate) 666-5463
 Ed Riddick III (Alternate) 374-9219

Committee Chairs

Membership Richard Palmer 374-9219
 Student Act. Tom Hanlon 661-0621
 Programs Tracy E. Hayes 280-0404
 Historian John Hodoway 372-2900
 Refrigeration Tim Staley 261-2900
 Research Alan Hope 666-6776
 TEGA John Carter 666-6776
 Newsletter Wade Wetzler 753-6652
 NW Section Marshall Moody 527-0590
 Social Chance Hollingsworth 374-5420
 Reception Eddie Finley 374-5420
 Webmaster Brett Bolan 661-0621



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Arkansas Chapter of ASHRAE
 P.O. Box 180
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In This Issue...

- ? March Meeting Information
- ? Golf Tournament Entry Form
- ? Chapter Survey

MARCH PROGRAM

Central Section Meeting

“Modern Variable Volume Pumping Systems”

Tech Session – Air Control in Pumping Systems

During this session we will discuss the equipment required for the proper air control in variable volume pumping systems. This discussion includes air separation, expansion tanks and their location in the system.

Program – Modern Variable Volume Pumping Systems

During this session we will review the reasons for utilizing variable volume pumping and discuss design criteria and the advantages and disadvantages of 5 types of variable volume piping systems:

- ? Primary-Secondary
- ? Primary-Secondary-Tertiary
- ? Primary-Secondary-Tertiary Hybrid
- ? Primary-Secondary Zone
- ? Primary Variable Speed

Program Speaker – Mr. Ken Luther

Mr. Luther is the Manager of Engineering Services of the Fluid Handling Division of ITT Fluid Technology Corporation, Morton Grove, Illinois. In this position he is responsible for the engineered products of Fluid Handling, including Packaged Systems, Centrifugal Pumps, and related accessories.

Previous to Fluid Handling, Mr. Luther, a civil engineer, was Marketing Manager for the Packaged Systems Group - ITT Bell & Gossett, held management positions with two international variable speed drive manufacturers, and was a consulting engineer for seven years.

Mr. Luther is a member of ASHRAE where he is active in T.C. 1.9 - Electrical Systems (past chair and currently Standards sub-committee chair), T.C. 6.1 - Hydronic & Steam Heating Equipment & Systems, and T.C. 8.10 - Pumps & Hydronic Piping (currently secretary and Standards sub-committee chair), voting member and Chair of the Mechanical Sub-committee of **SSPC 90.1 - Standards Committee on Energy Efficient Design of New Buildings**, ASPE, and ASHE and has spoken at many of their society meetings. He has presented technical papers at ASHRAE, ISA, and EPRI Annual Meetings and published papers on variable speed pumping in *ASHRAE Journal*, *Maintenance Technology*, *Heating Piping and Air Conditioning*, *Pumps and Systems* and the *Florida Specifier*.

Thanks to the March meeting program sponsors: **Cromwell Architects/Engineers** and **Johnson & Scott**.

2001 Region VIII CRC

Houston, Texas

May 3rd, 4th & 5th

Nassau Bay Hilton and Marina

Please make plans to attend.

Any member who has attended a CRC knows that the Arkansas Chapter takes pride in having the most people and the most fun!!

It is also a good place for P.E.'s to earn PDH credits.

2001 ASHRAE Research Spring Golf Tournament

FRIDAY - April 20TH - 1:00 P.M. - Shotgun Start
> The Country Club of Arkansas <
Maumelle, Arkansas

Entry Fee: \$300.00 per team
Includes cart, refreshments,
and lunch. (served at noon)
Each player gets 2 mulligans.

Lunch: Hamburgers, hotdogs, etc...
Provided by Powers of Arkansas

Format: 4-Man Team Scramble
Each player must use tee shot on at least (2) holes
Limited to the first 22 teams (first 22 paid play)
Ties will be broken by using score & hole handicaps

Prizes Awarded for: 1st Place Team
2nd Place Team
3rd Place Team
Longest Drive
Closest to Pin
Special contests and
prizes

Fill out this form and mail or fax to: Chance Hollingsworth, (501) 370-9298, 1111 West 6th Street, Little Rock, Arkansas 72201. All player names and money must be delivered to me by **April. 15th**. Any teams received after this date may not get to play. Each team is responsible for replacement players due to cancellations.

Phone: 374-5420 **Fax:** 370-9298

Player 1: _____

Player 2: _____

Player 3: _____

Player 4: _____ Total enclosed: \$ _____

Checks should be made out to **Arkansas ASHRAE** and mailed with this form.

\$ PLEDGE CARD \$

___ I will sponsor a hole - \$100.00. (Hole sponsors will be recognized by a sign at a hole on the day of the tournament)

___ I will donate \$ _____ for prizes & awards.

___ I will donate the following merchandise:
(We need vendors to donate logo golf balls, towels, etc...)

Workers, hole sponsors and prize contributors will be recognized in the ASHRAE newsletter. All proceeds go to Arkansas ASHRAE. Please return this form & checks for contribution to:

Chance Hollingsworth, 1111 West 6th Street, Little Rock, Arkansas 72201.

Name: _____ Company: _____

Phone: _____ Fax: _____ Signed _____ Date _____

CHAPTER INVOLVEMENT SURVEY 2000-2001

ARKANSAS ASHRAE CHAPTER

YOUR NAME: _____

COMPANY NAME (optional) _____

TELEPHONE NO. _____ FAX NO. _____

Please circle all activities that apply to your involvement. List any names, titles, organizations, length of terms, general function, general responsibilities, etc. that will assist us in obtaining points for chapter involvement. The Technical, Energy and Government Activities Committee thanks you for your efforts! Please complete and fax to **John Carter @ 663-8886**.

Do you currently, or have you:

- | | |
|---|---|
| 1. Serve on a government board or as an advisor (educating, assisting, supporting, advocating, or lobbying etc.)
_____ | 11. Assist governmental officials in developing a public-policy document updating of codes, regulations, etc.
_____ |
| 2. Work with code officials.
_____ | 12. Employed as a governmental staff person
_____ |
| 3. Serve on a national society committee dealing with policy, standards, energy etc.
_____ | 13. Employed as a code official
_____ |
| 4. Testified at a governmental hearing
_____ | 14. Serve on technical and/or standards-writing committees
_____ |
| 5. Attend local school, city council, provincial, county council meeting
_____ | 15. Possess special knowledge of energy conservation
_____ |
| 6. Offer professional expertise at a local, city county council meeting
_____ | 16. Served on the ASHRAE Standard 90 or 100 series committees
_____ |
| 7. Provide input to Society position documents through the Technology Council
_____ | 17. Possess expertise in ventilation and/or indoor air quality
_____ |
| 8. Arrange programs related to government affairs for Annual Winter and/or local meetings
_____ | 18. Served on the ASHRAE Standard 62 committee or the ASHRAE Environmental Health Committee
_____ |
| 9. Provide technical assistance and /or counsel to the Federal government
_____ | 19. Served publicly as an appointed or elected official on any level of government
_____ |
| 10. Interact with offices in the Washington area, associated with engineering, science or professional societies
_____ | 20. Review and submit comments on ASHRAE jobs (i.e. handbooks, articles in <u>ASHRAE JOURNAL</u> , standards, papers, protocols, err...)
_____ |
| | 21. Other Comments or questions:

_____ |