



THE RAZORBACK REPORT

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

www.arkansasashrae .org

Volume XIII, Issue VI, February 2002

The President's Message

by Tracy E. Hayes

The January membership meeting was once again well attended by the Arkansas Chapter at both meeting locations. I would like to thank Paul Briscoe and Powers of Arkansas for sponsoring the meeting and providing such a knowledgeable speaker in Greg DeLuga. The February meeting will also provide the membership an opportunity to expand their knowledge in the design of control systems and the specific communication requirements associated with ASHRAE Standard 135. The meeting will be a Wednesday lunch meeting, February 6th at the Little Rock Club or in Northwest Arkansas, February 7th, a Thursday evening meeting held at AQ Chicken in Springdale. See Program Summary for more details.

For those planning to attend the Region VIII 2002 CRC in Little Rock, watch your mail this month for registration packets and for additional information regarding the technical programs and social events. The Peabody has scheduled their "Grand Opening" for January 31st, so the facility and staff should be more than ready for us in April. I am looking forward to seeing a lot of new and even more of the familiar faces from each Chapter, especially the Arkansas Chapter!

The third week of February is Engineer's Week and Chris Ahne, Student Activities Chairman is in need of volunteers to speak to local elementary, jr. high and high school students regarding the benefits and rewards of a career in the HVAC industry and/or any other engineering related field. Volunteering may take 2-3 hours out of your day. However, the personal benefits you receive generally makes up for any amount of time lost. It is so very important for us in the industry to encourage the younger generations through these types of programs and activities. Call Chris Ahne at 501-661-0621 to volunteer or to set-up a possible presentation for your own child's school.

The Workforce Training Program is still being analyzed and reviewed by the volunteer taskforce and we would like to know, if the Chapter does agree to monitor and implement this training, what types of training you, the membership, believes would best benefit the HVAC industry. Watch your mail for a Chapter survey regarding this matter and return it promptly. Your feedback assists the Chapter in better serving the membership as well as the HVAC community.

Anyone wishing to nominate a fellow member for any of the various Honors & Awards presented by ASHRAE Society needs to contact Bill Harrison, Region VIII DRC or myself before February 1st. Thanks for your continued support and I look forward to seeing everyone on February 6th or 7th. Take care and stay safe.

February Meetings

CENTRAL ARKANSAS

Date: Wednesday, February 6th
Location: Little Rock Club, Regions Building
Cost: \$16.00 / person
Schedule:
 10:30 AM Board Meeting
 11:15 AM Technical Session -"BACnet"
 by: Mr. Todd Cowles
 11:45 AM Lunch Buffet
 12:15 PM Program - "Control System Design with
 ASHRAE Standard 135" by: Mr. Todd Cowles

Meeting Sponsor: **Northwest Controls**

NORTHWEST ARKANSAS

Date: Thursday, February 7th
Location: A Q Chicken House, Springdale
Schedule:
 5:30 pm Social
 6:00 pm ASHRAE Business / Dinner
 6:40 pm Program - "Control System Design with
 ASHRAE Standard 135" by: Mr. Todd Cowles

Northwest Corner:

By: Marshall Moody

Thank you to all those who attended the last meeting. A special thanks to John Symonds, Scott Archer and the folks at Hathaway, Symonds, and Archer for calling people to increase attendance.

Our next meeting will be held at AQ Chicken House in Springdale on Thursday, February 7. The program will be on "Control System Design – ASHRAE Standard 135.

Again, please make plans and budget accordingly to attend the Chapter's Regional Conference which we are hosting this year in Little Rock April 25-27. This is the perfect opportunity to step up and support our Chapter. It will be a fantastic time! CEUs will also be available.

God bless America and our military personnel.

January Board of Governors, Officers & Committee Chairmen Meeting Minutes

By: Rick Sellers, Chapter Secretary

Call to Order: President Tracy Hayes called to meeting to order at 4:33 p.m. The meeting was held on January 8, 2002 at The Little Rock Club.

President: President Tracy Hayes opened the meeting and announced that all PAOE points had been reported. President Hayes also stated that TEGA and Research Promotion MBOs are still due. President Hayes then called for committee reports and they were presented as follows:

Vice President/Programs: Vice President/Program Chairman Randy Moore announced that the program sponsor for this months meeting is Powers of Arkansas and the program is as published in the Newsletter. All programs for the remainder of the year have been scheduled. There was a brief discussion on the location for Past President's Night.

Secretary: The Meeting Minutes as published in the January Newsletter were accepted as printed.

Treasurer: President Hayes presented the monthly Treasurer's report. The report was accepted as printed.

Membership: Co-Chairman Russell Black announced 140 out of 268 member data sheets had been returned. Approximately \$146.00 has been spent on printing and mailing of the sheets and will be reimbursed by the roster ads.

Research Promotion: The full circle award has been received and is on display.

Historian: The new awards banner has been picked up.

Honors & Awards: President Hayes announced the Society awards applications deadline is February 1, 2002 and to contact her if there are nominations.

Student Activities: Planning is underway for Engineers Week with a tour of the Victory Building a possibility. Several presentations have already been made.

TEGA: Chairman Tom Hanlon announced the Chapter TEGA awards applications are due now. Chairman Hanlon also announced that the Committee formed to research the Educational Consortium had met last week and scheduled a subsequent meeting to finalize their recommendation for the Chapter.

Newsletter: Chairman Wade Wetzler announced that January 21st would be the deadline for newsletter articles. All grass roots committee chairman are encouraged to have an article.

Social: Chairman Chance Hollingsworth

asked for suggestions on a location for the spring golf tournament. There was brief discussion with the goal of raising the most money for ASHRAE Research the most important factor.

Reception: No report.

Webmaster: The web site has been updated.

CRC: No report.

Old Business: No old business.

New Business: President Hayes distributed copies of the current PAOE points totals for the region. She also announced the discount registration still available for first time attendees to the Winter Meeting. President Hayes announced the she and Vice President Randy Moore would be attending the Strategic Planning and President Elect meeting on February 1st and 2nd.

Adjournment: After no further new business President Hayes adjourned the meeting at 5:06 p.m.

January Arkansas ASHRAE Chapter Meeting Minutes

By Rick Sellers, Chapter Secretary

Call to Order: At 6:00 p.m. the Chapter meeting was called to order with 25 members and 32 guests in attendance. The meeting was held at The Little Rock Club on January 8, 2002. The program began with the Tech Session.

Tech Session: President Hayes introduced Mr. Terry Granderson, head of the Arkansas mechanical code, who presented an update on forthcoming code changes. A brief question and answer session followed. President Hayes then introduced TEGA Chairman Tom Hanlon who gave updates on Engineers Week, proposed student facility tour, the Educational Consortium committee progress and ended with recruitment for more Chapter Technology Awards applications. It was announced that Student Activities Chairman Chris Ahne has students currently seeking employment and if anyone is interested to contact him.

CSI President: The CSI President made announcements for their Chapter.

Program: President Hayes opened the general meeting at 6:37 p.m. President Hayes recognized Vice President Randy Moore who expressed thanks to CSI for the joint meeting and announced Powers of Arkansas as the Program sponsor. Chance Hollingsworth introduced the Speaker for the evening, Mr. Greg DeLuga, P.E. Mr. DeLuga presented a program entitled Critical Environment Ventilation Control. The program began with examples of clean rooms, isolation

rooms, and laboratories with the program emphasis on laboratories. Mr. DeLuga presented the three most prominent laboratory ventilation standards NFPA 45, ANSI/AIHA Z9.5, and ASHRAE std. 110. Mr. DeLuga then presented examples of laboratory hood face velocities, laboratory hood minimum exhausts, laboratory room airflow vs. containment, proper laboratory room arrangement, laboratory room ventilation rates, examples of negative room pressurization/airflow tracking/differential pressure tracking, room pressurization dynamics, examples of ventilation energy costs, examples of the type of laboratory hoods available and the application best suited for each. Mr. DeLuga concluded his presentation with examples of exhaust system design requirements. A question and answer session followed.

Adjournment: With no further business the meeting was adjourned at 7:30 p.m.

January Northwest Section ASHRAE Meeting Minutes

By John E. Symonds

Call to Order: The Northwest Section of Arkansas ASHRAE meeting was held January 10, 2002 at Sparks Regional Medical Center, Fort Smith, Arkansas. Approximately 17 members and guests were present. Marshall Moody called the meeting to order at 6:25 p.m.

Announcements: Marshall Moody announced that the February 7 meeting would be held at the Springdale A.Q. Chicken House.

Program: Mr. Eddie Finley introduced the guest speaker, Mr. Franco Atassi. Mr. Atassi's presentation on Laboratory Ventilation Design Issues provided information on proper design for laboratory user protection and containment of hazardous substances. Included in the information were 1) references to NFPA 45, ANSI and ASHRAE 110 standards for design; 2) minimum ventilation rates; and 3) recommend room air changes.

In addition Mr. Atassi provided energy comparison information between constant volume and variable air volume laboratory ventilation systems.

Adjournment: With no further business, the meeting was adjourned at 8:30 p.m.

February Program Summary

by: Randy Moore, Vice president – Program Chairman

This month's meeting will feature Mr. Todd Cowles, Regional Sales Manager, with Alerton Technologies, Inc. which is located in Redmond, Washington.

The tech session and program will present a brief overview of "what is BACnet" and discuss where, when, and how it is being applied as an industry standard protocol for building automation and control networks. The program will demonstrate how mechanical systems designers can use the ASHRAE standard to specify HVAC system controls.

Mr. Todd Cowles has been working in the controls industry for more than 10 years. After graduating from the University of Washington with a Mechanical Engineering degree in 1991, Mr. Cowles worked as a sales engineer for Landis & Staefa (now Siemens Building Technologies), in Seattle and Nashville. Upon returning home to Seattle in 1997, Mr. Cowles joined Alerton Technologies with responsibilities which include development and support of the Alerton Dealer Network in the United States and abroad.

From the Desk of Historian:

By: Richard Palmer

Greetings ASHRAE,

This article features a one of many family engineering firms that were started in Little Rock many years ago and that is still thriving today. Riddick Engineering Corporation has been around since the mid 70's and has been part of many others before then. Let us start with the first, Edgar K. Riddick Jr. Mr. Riddick received his degree from the University of Arkansas (ME 48') and later obtained his PE license with the state of Arkansas. He became part of then Erhart Eichenbaum Rauch in 53' until 78' known as Blass Riddick Chilcote. He started Riddick Engineering Corporation in 78' and worked until his retirement in 93'. During his many years of engineering, Mr. Riddick was concerned with the nation's energy problems. He was always one step ahead of where industry needed to be by providing detailed computer modeling for energy savings on projects that Riddick Engineering were working on. He was at the forefront of alcohol fuel (ethanol) production as alternate source of fuel. Mr. Riddick was also the founder and state chairman of Professional Engineers in Private Practice (PEPP). He was very active in the local chapter of ASHRAE and served as President from 1973-74. While serving as ASHRAE President, he won the Golden Gavel Award for his tenure. Edgar K. Riddick III decided to follow in his father shoes and received his degree from the University of Arkansas (ME 85') and later obtained his PE license with the state of Arkansas. He worked with his father from a young age to be groomed one day to take over the family business. He took over day to day operations in 93' when Mr. Riddick became ill. Mr. Riddick III continues emphasizing energy concerns with aspects of engineering following his father example. To this day, Riddick Engineering Corporation is still at the forefront of energy analysis. Mr. Riddick III is also very active in ASHRAE and served as President from 1999-2000. Mr. Riddick III has strived to keep the same principles and values as his father, Edgar K. Riddick Jr.

Memoriam

An icon in our industry slipped away from us January 14th, at 2 pm. His name was Eddie Thrash. If you ever met him, let's say you remembered him. For whatever reason for your encounter, whether you departed mad or happy, I guarantee you left more enlightened. Eddie was born in Memphis in 1922, and educated at North Carolina State Univ. He taught radar school during WWII in New York City, one of only 4 people in the United States that was qualified to do so. After the war, he worked in a big mechanical shop in Memphis, Fisher and Son. He came to Arkansas in the late 50s to do the mechanical on the original U of A Medical Center. After the job was complete, he stayed here and started his own business, Dixie Mechanical, until his retirement in the late 70s. He then worked for Dupont in Memphis as a consultant, before coming back to Arkansas in the early 80s to work as a consultant for Arkansas Mechanical Contractors, until his health started failing him 4 years ago.

Eddie's most special quality was his ability to turn a problem into an opportunity. Whether it be a problem with a cooling tower, chiller or boiler. What would start out as a problem, was always an opportunity for Eddie. A challenge, a mental exercise that he lived for. I never saw him walk away from a problem without finding a solution. This ethic followed him through life. At age 30, Eddie was diagnosed with polio, and told he would never walk again. He laid on his back in a Tennessee hospital polio ward for 18 months, without movement. He overcame it. About 4 years ago, Eddie got a degenerative eye condition which left him legally blind. This did not slow Thrash. While blind, he still rebuilt the carburetor on his beloved old Cadillac, and carried on, business as usual, with assistance from his wife, Kathleen. About a year ago he contracted cancer, and fought it the best he could, but it was out of his hands. I feel confident if cancer was controlled by a relay, a faulty control valve, or a drippy steam trap, he would have beaten this condition too. I can assure you, before Thrash enters those pearly gates, they will get a good close inspection, and there is a distinct possibility St. Peter may be left standing there with a perplexed look on his face and a punch list in his hand, watching Thrash depart over the hill.

Wayne Reed

TEGA News

By: Tom Hanlon

Educational Consortium Update:

The task force has met twice and we appear to have a consensus to proceed. Absent any reasons to the contrary we will make a recommendation at the next board meeting that we proceed with this as an ASHRAE sponsored activity.

As mentioned earlier, Terry Granderson is going to head this up and will be our contact person. More details at the February meeting.

Still looking for TEGA awards applications. Would really like to have some applications. If you have a project and would like a hand with the submittal give me a call @ 501-661-0621. Thanks

The ASHRAE Spring Golf Tournament will be
May 31st at the Country Club of Arkansas.
Tee time 1:30pm.

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**THE RAZORBACK REPORT**

Arkansas Chapter of ASHRAE

P.O. Box 180

Little Rock, AR 72203

2001-2002 Chapter Officers

<u>President</u>	Tracy E. Hayes	501-280-0404	fax: 501-280-9200
<u>Vice-Pres.</u>	Randy Moore	501-280-0404	fax: 501-280-9200
<u>Secretary</u>	Rick Sellers	501-834-3320	fax: 501-834-5416
<u>Treasurer</u>	John Carter	501-666-6776	fax: 501-663-8888

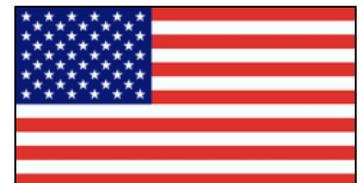
Board of Governors

Chris Call	501-663-8886
Jim Monk	501-376-7155
John Hodoway	501-372-9200
Ed Riddick III (Delagate)	501-666-7300
Mike McClellan (Alternate)	501-661-0621

Committee Chairs

Directory	Russell Black	501-327-2409
Membership	Chris Shaw	501-280-0404
Student Activities	Chris Ahne	501-661-0621
Programs	Randy Moore	501-280-0404
Historian	Richard Palmer	501-666-7300
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	501-582-8239
NW Section	Bill Sharp	501-636-3545
Social	Chance Hollingsworth	501-374-5420
Reception	Eddie Finley	501-374-5420
Webmaster	Brett Bolan	501-661-0621

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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 **Monday, Feb. 4th** to 501-280-9200 **Attn: Randy Moore**

For reservations to the Northwest Arkansas Chapter meeting fax this form by **Tuesday, Feb. 5th** to 501-582-4747 **Attn: Marshall Moody**

MEMBER NAME (PLEASE PRINT)	CENTRAL Feb 6 th	NW ARK Feb 7 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.

Student Activities

Plans are underway for Engineer's Week to be held from February 17th–23rd. The executive proclamation from Governor Huckabee's office has been approved and will be formally announced on February 14th. Any volunteers would be appreciated to participate in this year's events. We are planning a facility tour in central Arkansas and also in northwest Arkansas. If you have any school contacts that you would like to have involved in our activities, please forward them to me and I'll make sure they are invited.

I have been receiving levels of interest from the college students about career opportunities in our industry. Some students have been introduced to HVAC through our presentations at their campuses or through design and coursework at their school. If you know of any positions available, or are looking for young engineers in your place of business, please contact me.

Best Regards,
Chris Ahne

TO ALL TO WHOM THESE PRESENTS COME – GREETINGS:

WHEREAS, an engineer is a person whose job is to design or build machines, engines or electrical equipment, or objects such as roads, railways or bridges, using scientific principles.

WHEREAS, automotive engineers design the automobiles that provide our daily transportation needs.

WHEREAS, electrical and electronics engineers design systems to provide us with electricity to power our homes and electronic devices such as televisions, telephones, and radios for our entertainment.

WHEREAS, computer system engineers design computer chips, home computers, software and Internet solutions to aid the information age.

WHEREAS, aerospace engineers provide us with aircraft for faster travel; spacecraft for exploration; and satellites for communications and weather analysis.

WHEREAS, civil and structural engineers build the bridges, roads, and dams that enhance our infrastructure.

WHEREAS, industrial engineers design integrated systems of people, materials, and energy.

WHEREAS, mechanical engineers design more efficient HVAC (heating, ventilating, and air-conditioning) systems, automation, robotics, and lasers.

WHEREAS, chemical engineers provide a means for clean drinking water and production of better plastics, paints, fuels, and medicines.

WHEREAS, the national societies associated with the promotion of engineering professions aspire to increase the awareness of engineering professions and the role that engineering plays in our everyday lives.

NOW, THEREFORE, I, Mike Huckabee, acting under the authority vested in me as Governor of the State of Arkansas, do hereby proclaim February 17-23, 2002 as

ENGINEERS WEEK

in the State of Arkansas.

In **TESTIMONY WHEREOF**, I have hereunto set my hand and caused the Great Seal of the State of Arkansas to be affixed this 15th day of January, in the year of our Lord 2002.

Mike Huckabee, Governor

Sharon Priest, Secretary of State