



The Razorback Report

Arkansas Chapter #062, Region VIII
American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

www.arkansasashrae.org

Volume XVI, Issue VII, March 2005

The President's Message

By John Carter, P.E., Arkansas ASHRAE Chapter President

Hello AR-ASHRAE! Boy, we had a great meeting and great turnout for both the central and northwest sections of our chapter with over 100 people in Attendance at AR ASHRAE Meetings. Those that attended either meeting got a chance to see four very good examples of DX refrigerant cooling and the handling of temperature and humidity control during full and part load equipment operation. Those that attended the central section meeting received a special bonus. The robotics team from the 6th grade at Mountain Pine Elementary School and their teacher, Betty Fortner, presented an exciting project using robotics to raise awareness about indoor air quality (IAQ) in the school. Thanks again to Kim Koch for investing into the students and sharing this project with us.

Speaking of investing into students, don't forget about Engineering Week, February 20 – 27. See the time as an investment. You are investing in young people and our industry all at once. Even if you do not get a chance to speak to students during the week, go see them the following week.

By the way, congratulations are in order to several of our local chapter members. Sam Cummings was elected as member of the Standards Committee and Bill Goodman was elected as a Nominating Committee Alternate Member and as an ASHRAE Foundation Trustee. Congratulations Sam and Bill; and, thank you for serving us through ASHRAE.

Region VIII Chapter's Regional Conference (CRC) is fast approaching. You may ask, "What is CRC"? CRC is the annual conference where all of the representative chapters in our region come together and look back on the past year and forward to the next year. It is a great time to associate with friends and learn about the inner-workings of ASHRAE (the "hows" and the "whys"). If you have never been to a Region VIII CRC, this is a great year to attend as it is located in San Antonio on April 14th through the 16th (which is the weekend before Fiesta). There will be great golf (or at least golf on a great course). Come be apart of it. Follow the links to registration form in this newsletter and let me know if you want more information.

Rick Sellers is kicking the campaign into high gear to raise support for ASHRAE Resources. Be looking for an opportunity to get other companies involved in helping the Arkansas chapter raise the bar in Resource donations.

Lastly, we have a very good program lined out this month. John Hodoway will present: A Practical Guide to Green Buildings. Are you designing sustainable systems? Sustainability and Stewardship will be very important in the designs of the next 20 years. Can we build for tomorrow with products, technologies, and systems that minimize waste and improve conditions? John is going to help us determine how we go about doing that. To leave it better than we found it takes innovation and ingenuity. Come here some practical ways we can do that and not "break the bank". See ya' on the 2nd and 10th!

March Meeting

PROGRAM

"A Practical Guide to Green Buildings"

Presented by Cromwell Architects/Engineers

Technical Session

Introduction to the "ASHRAE Green Guide"

Central Arkansas

Date: WEDNESDAY, MARCH 2nd
Location: Whole Hog Cafe
Meeting Room
Cost: \$15.00 / person
Schedule: 10:30 am Board Meeting
11:30 am Technical Session
11:50 am Buffet Lunch
12:15 – 1:30 pm PROGRAM

Northwest Arkansas

Date: THURSDAY, MARCH 10th
Location: A.Q. Chicken Restaurant
Springdale
Schedule: 5:30 pm Social
6:00 pm Business/Dinner
6:30 – 7:15 pm PROGRAM

(See Enclosed Reservation Form)

2005 Region VIII CRC

April 14, 15 & 16, 2005

Crown Plaza Riverwalk Hotel
San Antonio, Texas



Board Meeting of February 2, 2005

1. Officers and Board Members Present

John Carter - President, Chance Hollingsworth - President & Technology Chair, John Hodoway - Secretary, Steve Titus - Treasurer, Tracy Hayes - BOG & Newsletter Editor, Randy Ragsdale - BOG, Randy Moore - CRC Delegate & Honors & Awards Chair, Rick Sellers - CRC Alternate & Resource Promotion Chair

2. Committee Chairs Present

James Dayer - Membership Promotion Chair, Kim Koch - Student Activities Chair, James McKinnie - Historian, Shawn Wilson - Reception Chair

3. Members Present - None

4. Meeting Minutes - The meeting was called to order by President John Carter at 10:35 AM.

John will call the remaining committee chairs to get MBOs and Co-Chair names.

Student Activities Chair Kim Koch reported that the Mountain Pine class would demonstrate their robotics/IAQ project at the regular meeting today.

Discussion of a pre-paid meal policy was deferred to the March 2nd Board Meeting.

President John Carter reminded board members to keep the appropriate RVCs current on committee activities. He asked for a show of hands of those attending the CRC in San Antonio.

Technology Transfer / Program Chair Chance Hollingsworth reported that the Northwest Section Meeting program would be the same panel discussion that is to be held at the Little Rock meeting today. He reported that Energy Award entries will be solicited in early February with a submission deadline of March 1st. He also announced that the March program would be "A Practical Guide for Green Buildings".

The January Board meeting and Regular meeting minutes were approved.

Previous meeting attendance statistics are as follows:

September – 59 Members, 7 Guests
 October – 61 Members, 6 Guests
 November – 56 Members, 4 Guests
 December – 38 Members, 4 Guests
 January – 26 Members, CSI to be added as guests

The December and January Treasurer's reports were distributed. Rick Sellers moved for approval of both reports. James Dayer seconded the motion. The motion passed.

Historian James McKinnie reported that he is conducting interviews with past presidents and that he needs some help with a refrigeration exhibit to be displayed at CRC.

Resource Promotion Chair Rick Sellers reported that the Arkansas Chapter achieved one of the Society goals by having raised 30% of goal by December 31st. A list of past donors has been distributed to members of his committee and a fundraising campaign will begin soon.

Newsletter Editor Tracy Hayes announced that the newsletter has been taken over by Wade Wetzler, as she will no longer be able to perform those duties. The next submission deadline is Wednesday, February 16th.

Student Activities Chair Kim Koch reported that she needs speakers for Engineers Week activities during the week of February 21st.

Membership Chair James Dayer reported that he is now sending a welcome letter to new members. He also has sent out delinquency notices for unpaid dues.

The meeting adjourned at 11:19 AM.

5. Action Items/Deadlines -

1. John Carter to meet with Ben Baugher about the website.
2. Steve Titus to make the annual deposit to the Arkansas Chapter CRC account.
3. John Carter to meet with Chris Ahne about refrigeration activities.

Submitted by John Hodoway, Secretary
 2004-2005 Arkansas ASHRAE Chapter #062

Membership Meeting of February 2, 2005

Whole Hog Café, Little Rock

Members Present - 61 Members, 15 Guests

Meeting Minutes - The Meeting was called to order by President John Carter at 11:27 AM.

John reminded members of the theme of Student Activities for the day.

Kim Koch introduced the robotics team from the 6th grade at Mountain Pine Elementary School and their teacher, Betty Fortner. The students demonstrated their robots as they attempted various navigation and material handling tasks. They then showed their Quiz Bowl method of raising awareness of IAQ. The IAQ experiment was suggested by the high incidence of students with breathing difficulty at their school. They mounted a CO₂ detector on a roving robot to discover areas that were associated with breathing difficulty. The results of the experiment were helpful in locating repairs that needed to be made to improve IAQ.

The meeting program featured four representatives of rooftop manufacturers who outlined their approach to controlling humidity in the space while meeting the ventilation air requirements of ASHRAE 62. Each representative was allowed seven minutes to present material on the subject. Afterward, questions were taken from the audience with each representative allowed to answer each question. One point that was made is that engineers should be careful to not misapply these products.

The meeting adjourned at 1:00 PM.

*Submitted by John Hodoway, Secretary
2004-2005 Arkansas ASHRAE Chapter #062*

This Month in Arkansas ASHRAE History

By James McKinnie, Chapter Historian

18 March 1969 – The committee for the upcoming regional meeting met at the Sam Peck Hotel at 4pm, followed by the chapter board meeting at 5pm. A suggested list of officers for the following year was reviewed and accepted, and consisted of Bill Goodman, Rowe Hill, John Pate and Dewey Dossett. The board of governors would be John Jaco, Sam Hocutt and Art Pfeifer, and the regional representatives would be Al Davis and Art Pfeifer. After the social, Mr. Goodman presented a technical session on pipe insulation. After the dinner, Marvin Biggs of Gordan & Piatt, Inc. spoke on “UL, FM and FIA Interpretations,” in particular their differing plumbing requirements and control specifications.

7 March 1989 – The board met in the Smith Room at St. Vincent’s Infirmary Medical Center at 4:45pm. Jim Monk reported that the casino party had not been a financial success, and had indeed lost money. Given the chapter’s financial condition, the board voted to lower the 2 scholarships from \$500 to \$300 each. John Oliver provided the technical session on the ARI certification program for centrifugal and rotary screw water chillers. After the meal, Charles Klockner of Vilter Corporation discussed the development and application of single rotor screw compressors.

2 March 1999 – The board met at the Little Rock Club at 4:30pm. Topics discussed included an upcoming “performance contracting” class sponsored by the AEDC Energy Office and conducted by Oak Ridge Laboratory. Also discussed were the upcoming CRC in Dallas the following month, the Past President’s night in April that was also Bill Goodman Appreciation Night, and establishing a credit card for the Northwest Arkansas Chapter. The night’s technical session was by Nick Jovanovic about the new UALR College of Information Science and Systems Engineering. Gil Avery presented the main program on Control Considerations for the 21st Century, in which he articulated a few new up-and-coming concepts and suggested getting rid of several old ones.

2004-2005 Chapter Officers

<u>President</u>	John Carter	501.666.5463	john@carterco.com
<u>Pres-Elect</u>	Chance Hollingsworth	501.374.5420	chollingsworth@powersofarkansas.com
<u>Secretary</u>	John Hodoway III	501.372.9200	jwhodoway@cromwell.com
<u>Treasurer</u>	Steve Titus	501.375.1181	scititus@aristotle.net

Board of Governors

Tracy Hayes	501.580.0843	hayes.tracy@sbcglobal.net
Tom Hanlon	501.661.0621	tjhanlon@trane.com
Randy Ragsdale	501.223.9302	rragsdale@lesarch.com
Randy Moore	501.280.0404	rmoore@airetechcorp.com
Rick Sellers	501.374.3731	rsellers@pettitinc.com

Committee Chairs

Membership	James Dayer	501.663.8886
Student Activities	Kim Koch	501.666.6776
Programs	Chance Hollingsworth	501.374.5420
Historian	James McKinnie	501.987.7666
Refrigeration	Chris Ahne	501.661.0621
Resource Promotion	Rick Sellers	501.374.3731
Honors & Awards	Randy Moore	501.280.0404
Newsletter	Tracy Hayes	501.580.0843
NW Section	Murl Meredith	479.443.0571
Social	Eddie Finley	501.374.5420
Reception	Shawn Wilson	501.570.7464
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

ROUTING

Company Name: _____

Phone #: _____ Fax #: _____

Signed: _____

For reservations to the Central Arkansas Chapter meeting fax this form by **Friday, February 5th** to **501.370.9298 Attn: Chance Hollingsworth**

For reservations to the Northwest Arkansas Chapter meeting fax this form by **Monday, March 7th** to **479.443.0580 Attn: Murl Meredith**

MEMBER NAME (PLEASE PRINT)	CENTRAL <i>March 2nd</i>	NW ARK <i>March 10th</i>	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.**

MARCH PROGRAM - CENTRAL & NW ARKANSAS

"A Practical Guide to Green Buildings"

Technical Session - "Introduction to the ASHRAE Green Guide"

Presented by Cromwell Architects/Engineers

The March program will be presented by Cromwell Architects Engineers and will use as resources - the ASHRAE Green Guide, the ASHRAE Advanced Energy Design Guide For Small Office Buildings and the "lessons learned" from involvement in several LEED projects. Information from the ASHRAE publications will be mixed with identification of several "points" that may be obtained for relatively little expense and how a little planning on the front end of a project can make it much "greener".

Sustainable Sites, Water Efficiency, Energy and Atmosphere, Material and Resources and Indoor Environmental Quality will be discussed with some emphasis on how ASHRAE 90.1 affects the credit for energy efficiency that represents up to 10 out of 69 listed LEED-NC points.

MARCH MEETING SPONSOR

AIRETECH

corporation

PO BOX 23207 • LITTLE ROCK, ARKANSAS 72221
7631 NORTHSHORE PLACE • NORTH LITTLE ROCK, ARKANSAS 72118
phone (501)280-0404 • fax (501)280-9200



2005 ASHRAE Research Spring Golf Tournament

FRIDAY – May 20th – 1:00 P.M.

Country Club of Arkansas

Maumelle, Arkansas

Entry Fee: \$350.00 per team
*(Includes cart, refreshments, and lunch—before play.
Each player gets 2 mulligans)*

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

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

Special Contests & Prizes

Format: 4-Man Team Scramble
*Limited to the first 22 teams (first 22 paid play)
Ties will be broken by using score & hole handicaps*

Fill out this form and email or fax to: Eddie Finley, (501) 370-9298, efinley@powersofarkansas.com

All player names and money must be received by **May 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 and will be recognized in the ASHRAE newsletter)*

___ Corporate Sponsorship -\$200 *(There will be a special area near the scoreboard to recognize corporate sponsors - banners are allowed for corporate sponsorship.)*

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

___ I will donate the following merchandise: _____
(i.e. Vendor logo golf balls, towels, gift certificates, etc)

Workers, hole sponsors and prize contributors will be recognized in the ASHRAE newsletter

All proceeds go to Arkansas ASHRAE Research

Please return this form & checks for contribution to:

Eddie Finley, 1111 West 6th Street, Little Rock, Arkansas 72201

Name: _____ Company: _____

Phone: _____ Fax: _____ Signed _____ Date _____