



The Razorback Report

www.arkansasashrae.org

Volume XX, Issue 2, October 2008

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

OCTOBER MEETINGS

Northwest Arkansas

Date: Thursday, October 2nd

Location: Whole Hog, Bentonville

Cost: TBD

Schedule:

4:30 pm Steering Committee Meeting

5:15 pm Social

6:00 pm ASHRAE Business / Dinner

Program—"Water Conservation in the Sustainable Environment" - Dennis Schnell

Central Arkansas

Date: Wednesday, October 1st.

Location: Cap Aldersgate

Cost: \$15 / person

Schedule:

10:30 am Board Meeting

11:30 am Tech Session - "Eco Friendly Water Treatment" - Gary Wirges

12:00 pm Lunch

12:15-1:00 pm Program - "Water Conservation in the Sustainable Environment" - Dennis Schnell

The President's Message

By Kim Koch

Chapter President

I hope everyone enjoyed the September meeting. We had the great honor of hosting the current Society president Bill Harrison, Society Vice President Gordon Holness, and Society Past President Bill Goodman all in one chapter meeting. It isn't often that a group as distinguished as that gathers outside of regional or society meetings.

This month we are turning our focus back on Sustainability with a program developed by our Sustainability chair, Tom Hanlon. Be sure to check out meeting details in this newsletter and on the e-site and plan on attending.

The fall golf tournament is October 24th at Stonelinks. Let's help Tony and Forrest out and not wait until the last minute to sign up teams. As always hole sponsors are needed as well as items to be given away for door prizes. I am sure it will be a good time for all. As you may have noticed, our check in process at the Little Rock meetings was more efficient and more informative at this past meeting. A big thank you is owed to Lee Greeson for taking the time to help us all save time during check in.

For everyone in NW Arkansas, the quest for the perfect meeting location continues. Landon has secured a spot at Whole Hog Café in Bentonville for the October meeting. We are looking for a good location in Fayetteville for the November meeting. Please let Landon know if you have any ideas.

Finally I want to thank AD for updating the chapter website. Check it out if you haven't stopped by lately and let us know any

Are You Ready?



**Central AR
ASHRAE
Fall Golf
Tournament**

**October 24th
At Stonelinks**

**You need to
register by
OCTOBER
10TH!**

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Month	Tech Session	Speaker	Meeting Topic	Speaker	Section	Date	Location	Meeting Designation	Sponsor
Sept	BIM— Lessons Learned	Mike Fullerton	ASHRAE & BIM	Gordon Holness ASHRAE President Elect	Central	9/4	Next Level Events— Union Station	Membership Promotion	TBA
					NWA	9/4	Golden Corral		
Oct	Eco Friendly Water Treatment	Gary Wirges	Water Conservation In The Sustainable Environment	Dennis Schnell	Central	10/1	Camp Aldersgate	Sustainability	TBA
					NWA	10/2	Whole Hog		
Nov	NA	NA	Presidential Visit— Maintain To Sustain	ASHRAE President Bill Harrison	Central	11/4	Next Level Events	Student Meeting	TBA
					NWA	11/5	Golden Corral		
Dec	Research Promotion	Steve Titus	Data Center Cooling Requirements	Mike Lawler	Central	12/3	Camp Aldersgate	Research Promotion	TBA
					NWA	12/4	Golden Corral		
Jan	TBA – <i>Joint Meeting with CSI</i>	TBA	Beyond The Code	TBA	Central	1/13	Camp Aldersgate	Joint Meeting w/ CSI	TBA
	TBA	TBA	TBA	TBA	NWA	1/8	Golden Corral		
Feb	TBA	TBA	Modern Refrigerant Piping Practices	TBA	Central	2/4	Camp Aldersgate	Refrigeration	TBA
					NWA	2/5	Golden Corral		
March	TBA	TBA	ASHRAE 90.1-2007 Update	Mick Schwedler	Central	3/4	Camp Aldersgate	Student Day	TBA
					NWA	3/5	Golden Corral		
April	TBA	TBA	Tour Bethel Elementary	NA	Central	4/1	Bethel Elementary Bryant AR	Sustainability	TBA
	TBA	TBA	Tour Tyson Discovery	NA	NWA	4/2	Springdale		
May	Social	NA	Past Presidents Night	NA	Central	TBA	Dickey Stephens Park	TBA	TBA
					NWA	TBA	TBA	TBA	TBA

NW Section Update

Submitted by Landon Lay — NW Section Chair

We wish to thank Gordon Holness for giving us an enlightening presentation last month about Building Information Modeling. We look forward to our next meeting on Thursday, October 2nd. The topic is “Water Conservation in the Sustainable Environment.” The Presenter is Dennis Schnell, Regional Manager for SPX Cooling Technologies of Overland Park, Kansas. We’ll have the meeting at the Whole Hog Café in Bentonville. Social time will start at 5:15pm and we’ll try to get the meeting started around 6:00 – 6:15pm. Please note that student night has been pushed to November, so we’ll be back in Fayetteville for the meeting next month (suggestions are welcome). Remember, students are always welcome at any meeting and ASHRAE is happy to pay the cost of their dinner.



Mike Fullerton presents "BIM Lessons learned" at the Sept Meeting.

Check out the latest updates to our chapter website at www.arkansasashrae.org



Sustainability News

Submitted by : Tom Hanlon - Sustainability Chair

October will be our first Sustainability program of the year. Focus is on water conservation and efficient cooling tower systems.

Most folks agree that water is the next major resource crisis we'll face. Hard to imagine living in this beautiful area with what seems like an endless supply of water. We're blessed with abundant supply at relatively low prices.

We irrigate, wash cars, settle dust on construction sites, operate large heating and cooling system, etc with drinking quality water and don't give it much thought. Our October program and Tech Session will speak to these practices and address some of the conservation measures underway.

Our Central Arkansas Technical Session will be by Gary Wirges, President & CEO of CustomKraft Manufacturing of North Little Rock. CustomKraft is a major manufacturer and installer of automated car wash systems. They have extensive experience in the conservation of water in this heavy use industry.

Program for both Central and Northwest meetings will be "Water Conservation in the Sustainable Environment".

Presenter is Dennis Schnell, Regional Manager for SPX Cooling Technologies of Overland Park, Kansas. Graduate of LeTourneau University and Sam Houston State University. Dennis is Director of Sales and Sales Manager (HVAC) for SPX Cooling Technologies and a member of the Kansas chapters of ASHRAE and USGBC.

Plan to attend what promises to be a great Tech Session and Program.

Membership Report

Submitted By: Joel Funkhouser – Membership Chair

I'd like to welcome our newest members: Bethany Bradford of Rogers, David Yarbrough of Alexander, Stephen Heard of Fayetteville, and Michael Hagar of Hazen. I applaud you for your interest in the HVAC&R field and look forward to seeing you at our September meeting!

We have a strong chapter, and additional members will help to make us even stronger. Our chapter's membership has increased slightly over the past year, and everyone that attends meetings is encouraged to seek membership to aid in strengthening our chapter. As always, if you have any questions pertaining to membership, please contact me and I'll be happy to assist you.

Meeting Minutes

Submitted by Marc White—Secretary

Board Meeting of September 4, 2008

Officers and Board Members Present

Kim Koch, President
Steve Keen, Treasurer
Marc White, Secretary
Charles Wetzler, BOG
Don Huggins, BOG
Chris Shaw, BOG
John Hodoway, Delegate

Committee Chairs Present

Mike Fullerton, Continuing Education Co-Chair
Charlotte Brunner, Publicity Chair
James Dayer, Chapter Programs Chair
Bill Simpson, Student Activities Chair
Lee Greeson, Reception Chair
Mark Ring, Newsletter Editor
Joel Funkhouser, Membership Chair
Tony Demarco, Social Chair
AD, Webmaster

Board Meeting Minutes

Kim Koch opened the meeting by announcing that an auditing committee will be reviewing the chapter books for the 2007-2008 fiscal year. The committee will consist of Chris Call, Rick Sellars and Mark Jones. Kim mentioned the upcoming

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Social Activities

Submitted By: Tony Demarco – Social Chair



Pictured Above: Tony and Mindy Demarco prepare the refreshment service at the ASHRAE Spring Golf Tournament. (It looks to me like they need a bigger golf cart.)

Hello again golf fans, Yes the time is almost upon us once again. Time to forget about work for at least an afternoon, drag out the old clubs and take out all our frustrations on that poor little dimpled up ball that we like to curse from time to time. After all, it can't be our finely tuned swings that send those balls so far into OB, surely they were warped from the factory, right? That's my story anyway. I've scheduled the Fall tourney for Oct. 24th @ Stonelinks. The Spring tourney was a huge success and I hope to keep that going. Please see the attached entry form (also will be in the Sept. ASHRAE news letter) and get your teams together now. Stonelinks has told me they need a list teams no later than Oct. 10th so please get your entry forms to me ASAP. Thanks to everyone in advance for all your support, sponsorships, and donations which help make these tournaments not only possible, but very successful as well. I'll see you on the course.

Future ASHRAE Meetings:

2009 ASHRAE Winter Meeting
January 24 - 28
Chicago, IL

2009 ASHRAE Annual Meeting
June 20 - 24
Chicago, IL

2010 ASHRAE Winter Meeting
January 23-27 2010
Orlando, FL

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2007-2008 Chapter Officers

<u>President</u>	Kim Koch	501.666-6776	kkoch@tmecorp.com
<u>Vice-Pres.</u>	Chris Ahne	501.661-0621	cahne@trane.com
<u>Treasurer</u>	Steve Keen	501.374-5420	skeen@powersar.com
<u>Secretary</u>	Marc White	501.664-3311	mwhite@batsonbravo.com

Board of Governors

Charles Wetzler	501.590-2703	cgwetzler@yahoo.com
Don Huggins	501.374-3731	dhuggins@pettitinc.com
Chris Shaw	501-280-0404	chris@airetechcorp.com
Steve Titus (CRC Alternate)	501-280.0404	chance@airetechcorp.com
John Hodoway (CRC Delegate)	501.372.2900	john.hodoway@mail.ashrae.org

Committee Chairs

Membership	Joel Funkhouser	jcfunkhouser@garverengineers.com
Student Activities	Bill Simpson	wsimpson@trane.com
Programs	James Dayer	jdayer@fluidsolutionsinc.com
Historian	Steve Titus	sctitus@aristotle.net
Refrigeration	Miguel Purdy	mlpurdy@vcaw.com
Research Promotion	Steve Titus	sctitus@aristotle.net
Newsletter	Mark Ring	mark@airetechcorp.com
Publicity	Charlotte Bruner	charlotte@johnprinceco.com
NW Section	Landon Lay	landon.lay@hei-eng.com
Social	Tony Demarco	tony@airetechcorp.com
Reception	Melanie Richardson	mrichardson@batsonbravo.com
Webmaster	Haidara Agalheir	hagalheir@trane.com
Continuing Education	John Carter	john@jtcarterco.com
Sustainability	Tom Hanlon	thanlon@tmecorp.com

THE RAZORBACK REPORT

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 send this form by **Tuesday, September 30th** to ***Kim Koch*** : kkoch@tmecorp.com or via **FAX** at 501-663-8888

For reservations to the Northwest Arkansas Chapter meeting send this form by **Tuesday, September 30th** to ***Landon Lay*** : landon.lay@hei-eng.com or via **FAX** at 479-361-5977.

MEMBER NAME (PLEASE PRINT)	CENTRAL October 1st.	NW ARK October 2nd.	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.

RSVP for the October meeting online at www.arkansasashrae.org

October Meeting Topics

Tech Session - "Eco Friendly Water Treatment" - Gary Wirges

Program - "Water Treatment in the Sustainable Environment" - Dennis Schnell



2008 Arkansas ASHRAE Fall Golf Tournament



Friday Oct. 24th "Shotgun Start" 12:30 pm
>Stonelinks Golf Course<
North Little Rock, Arkansas

Entry Fee: \$300 per team (4 players per team)
Includes cart, refreshments, and lunch at 11:15.

Format: 4-Man Scramble (First 24 teams)
Mulligans can be purchased for \$40/team. (2/player)
Ties will be broken by score and hole handicaps.
This format shall promote fair and competitive play.

Prizes: 1st, 2nd place teams. (2 flights)
Long Drive (in fairway) and Closest To Pin.
Special contests to be announced.



Fill out form and e-mail tony@airetechcorp.com or fax to Tony DeMarco.
Airetech Corporation 7631 Northshore Pl. North Little Rock, AR 72118
Phone: 280-0404 Fax: 280-9200



Player 1: _____

Player 2: _____

Player 3: _____

Player 4: _____ Total enclosed:\$ _____

Please make checks payable to "Arkansas ASHRAE" and send to
Arkansas ASHRAE P.O. Box 180 Little Rock, AR 72203



\$ Don't forget to sponsor a Hole \$

- I will sponsor a hole -\$100. Sign at a hole & recognized in ASHRAE newsletter
- Corporate Sponsorship- \$200. Banners are allowed for corporate sponsorship & will be recognized in the ASHRAE newsletter as a Corporate Sponsor (There will be an area near the scoreboard to recognize corporate sponsors (owner provided))
- I will donate \$_____ for prizes and awards
- I will donate Merchandise (golf balls, towels, etc.)

Workers, Hole & Corporate sponsors & Prize Contributors will be recognized in the Arkansas ASHRAE Newsletter. All proceeds go to Arkansas ASHRAE.

Name: _____ .Company: _____

Signed: _____ .Date: _____

Phone: _____ .Fax _____ Email _____

2008

new Ideas &
technologies

seminar

commercial kitchen ventilation

september 30 | little rock, arkansas

Learn Essential Information About Kitchen Ventilation

Professional credit hours
available upon request.

Agenda

8:00 a | Registration
8:15 a | Kitchen Ventilation Seminar
12:15 p | Complimentary Lunch



Sponsored by **CaptiveAire**
FCSI Approved Education Provider

Located

Doubletree Hotel – Little Rock
424 W. Markham Street
Little Rock, AR 72201
Phone: 501.372.4371

Contact: Ryan Leonard
Phone: 800.449.6202
Phone: 901.386.0636
Fax: 901.386.0624
Email: reg53@captiveaire.com

New Commercial Kitchen Ventilation (CKV) Seminar Includes the Following Topics

Introduction | Foundations of Modern CKV Design
Exhaust Hoods | Types, Performance Improvements, and Code Issues
Grease Filtration and Pollution Control | Design Options
Exhaust Ducts | Design, Installation, and Code Issues
Makeup Air | Sources, Equipment, and Energy Cost Issues
Energy Conservative CKV Strategies
Restaurant Fires | Observations of CKV Issues
Kitchen Ventilation Case Studies

Speaker: Doug Horton

Doug Horton is an independent management, communications, and technology consultant with over thirty years of government, corporate, and consulting experience. In the food service area, he consults on equipment and market development, technology assessment, purchasing, operations analysis, organization development, communications, and energy management. He is a popular speaker on energy and food-service topics at professional meetings and seminars, including those sponsored by industry trade organizations, energy companies, and manufacturers. Recently, he has been presenting the results of industry research on commercial kitchen ventilation to national audiences.

Speaker / Founder: Bob Luddy

Bob Luddy opened Atlantic Fire Systems in a one-room facility in Raleigh, NC in 1976. Recognizing the demand for a quality manufacturer of kitchen ventilation equipment, Bob purchased a sheet metal shop in 1981 and transformed that into CaptiveAire Systems. Today, CaptiveAire employs over 500 people with fifty offices nationwide with sales reaching over \$200 million in 2007. Bob continues to apply his entrepreneurial skills not only in his business, but also in the public sector. His support of North Carolina entrepreneurs and the free market system are demonstrated through his roles in the following areas: Board of Directors & Founder, The Franklin Academy; Board of Directors, John Locke Foundation; and Founder & Developer, Franklin Park.



Arkansas ASHRAE 2008 – 2009



Pre-Pay Lunch Plan

Cost: \$130 per person

Includes: 9 Monthly meetings with meals

Please complete the form below and mail or fax to the noted address/fax number. Bills will be sent in September.

****Get one meeting meal free and express check-in when you pre-pay****

Company: _____

Address: _____

Phone: _____ **Fax:** _____

Names: _____

Please mail form to:
Arkansas ASHRAE
Attn: Steve Keen
P.O. Box 180
Little Rock, AR 72203

Or fax to:
Powers of Arkansas
Attn: Steve Keen
Fax: 501-370-9298

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Winter ASHRAE meeting, the 2009 CRC in Lubbock, TX and the 2010 CRC in Monterey, Mexico. Kim mentioned the chapter's need to register with the State Attorney General. Steve Keen said he will take care of the registration.

Steve Keen distributed the current chapter balance sheet for review. Steve stated that he has deposited and recorded all of the checks made out to the chapter over the summer. Charles Wetzler asked if the chapter has received a check from Society yet for chapter dues. Steve stated that the check has not yet been received. Steve discussed the recent purchase of Quick Books 2008 to replace the chapter previous 2005 version which is no longer supported. Kim let everyone know that the purchase was previously approved by the officers and board members. The budget and balance sheet were approved by acclamation.

Marc White informed everyone that the meeting minutes would be sent to the board members and committee chairs for review and comments. Any comments will be incorporated and the final copy sent to Mark Ring to place in the next newsletter. The Planning Meeting Minutes from July and August were approved by acclamation.

Lee Greeson let everyone know that, as approved in the August planning meeting, he has purchased new name tag covers, two new name tag boxes and temporary name tags for non-members. Lee said he would have new name tags for members by the next meeting.

James Dayer reported that with the exception of November, all of the chapter monthly meetings will held at Camp Aldersgate. The November meeting location will be announced shortly.

AD announced that the chapter website is being updated and that it will be completed by the October 1 deadline. He also asked that a note be placed in the newsletter to invite everyone to visit the website.

Joel Funkhouser introduced Micah Spawn as the new co-chair for the Membership committee. Joel asked that Kim introduce him during today's chapter meeting announcements so he could mention the new members.

Tony Demarco reminded everyone that the fall golf tournament is scheduled for October 24 at Stone Links. He also let everyone know that he is looking into a spring activity of either a family fishing tournament or a trap shooting contest. The event would be in the March/April time frame.

John Hodoway stated that he and Charles Wetzler would be going through old publications to determine what chapter jobs were held by people in the past to see who might be available for honors or awards. John asked Joel Funkhouser for a complete list of members and member numbers to help with this effort.

Mark Ring asked that when articles are sent in for the newsletter that they be in MicroSoft format rather than pdf format to reduce the file size. The deadline for next months newsletter input is September 19.

Bill Harrison, ASHRAE Society President, and Gordon Holness, President-elect, sat in for the last part of the board meeting. They talked to everyone about how important the Globalization Initiative is to ASHRAE and how important it is that we bring the international community into the ASHRAE fold.

Kim Koch adjourned the Board Meeting.

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The monthly technical session presented by Mike Fullerton was “BIM Lessons Learned”. Some of the benefits of using Building Information Modeling (BIM) software are 3D visualization of the project, system analysis and reduced change orders. Another feature of BIM is clash detection, allowing the designer or contractor to check for conflicts between systems. Several of the lessons learned in the use of BIM include the realization that BIM files are larger than with previous software (50 to 200 MB), users will need faster computers, there is currently little training available and, therefore, the learning curve is steep (the 1st project taking in the range of 70% longer than usual).

Announcements:

September 26 is the NEBB Recertification and ASHRAE Educational Seminar

Joel Funkhouser introduced the new ASHRAE members.

October’s meeting topic will be “Water Conservation in the Sustainable Environment”

The feature program speaker was Gordon Holness, ASHRAE Society President-Elect. The topic of his talk was “ASHRAE and BIM – Where are we and where are we going?” ASHRAE believes that BIM will significantly affect how we do business in the future. In addition to 3D viewing of a building, BIM has the ability to manage construction scheduling, cost data, the procurement process and the operational life cycle. BIM can be used in the schematic design for architectural visualization and for building orientation for day-lighting and cooling load purposes. In the current design process information is developed independently. With BIM, information is gathered at a single point for a collaborative design and greatly improved coordination. The ICC is developing “smart” codes to take a BIM model and verify its compliance with building codes. Use of BIM software reduces project costs. Interference checking alone can save 5% to 7% of the construction costs. Owners hire engineers for their design expertise. Letting BIM handle the production of drawings and specifications allows the engineer to focus on the design.

Meeting adjourned.

**Tired of endless invoices from your ASHRAE Treasurer?
Tired of annoying phone calls about past due ASHRAE payments?
Tired of long check in lines at the monthly meetings?
Want to get the benefit of all the ASHRAE meetings for less money?**

Then the Pre-Paid meals program is for you!!!!

With the new pre-paid meals program you get all of the above benefits. Members who sign up and submit payment for the pre-paid meals program will receive 9 meetings for the price of 8.

This program also helps the local chapter by reducing postage cost for invoicing and reducing the volunteer time needed for invoicing and collections. Please see the attached form and return it along with a check. If you have any questions or would like to know more information about the program please contact Steve Keen at 501-374-5420.