

The Oil Capital Air

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

Volume LI, Issue 8

Tulsa, Oklahoma

March 2009

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Planting Seeds



Dan Owens
Chapter President

President's Message

By: Dan Owens

2009-2010 year. Mike Beda and I attended the Regional Planning meeting in Dallas, where we discussed filling regional positions and updating the region's long range plan. So as you can see, we are working on planting the seeds for the next chapter, society year and beyond.

If you are interested in serving on a committee next year, please contact Chuck Mayfield (918) 624-1005. I urge you to please consider serving this great chapter if Chuck contacts you about serving on a committee. St. Paul in a letter to the Corinthians said, "Remember this: he who sows sparingly will also reap sparingly. He who sows bountifully will also reap bountifully." The only way our chapter and society will continue to thrive is if we continue to sow seeds for the future.

UPCOMING EVENTS

March 12th - Chapter Meeting at Islamorada Fish Company at Bass Pro Shop in Broken Arrow

5:00 Cocktails

5:30 Technical Session

6:30 Dinner & Main Program

March 19th - Board of Governors Meeting at Joe's Crab Shack (4:30 pm)



Golden
Gavel
Winner

"Given good ground, water, and light, this seed will grow to beauty and usefulness; take this seed that your brother will assist you to plant."- Jack Mason

The past month has been a particularly busy month for the NEOK Chapter, most of which has been going on behind the scenes. Our nominating committee has been working towards filling the position of secretary for the next slate of chapter officers. President-Elect Chuck Mayfield attended the Regional President-Elect Training and has been working on filling committee chairs for the

March's meeting is going to be another good one. Mr. Jerry Sossamon will be our main meeting speaker and he will present a program on Steam System Savings. Mr. Jeff Hunt, PE, GBE, CxA, will present a tech session on "Energy Management Services – A Consulting Engineer's Perspective." March is also Past Presidents' Night and Golden Circle Recognition Night. Please join me as we celebrate the leaders of the past that planted the seeds for today's chapter and recognize AAON and the MCA of Eastern Oklahoma that are helping to

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MARCH CHAPTER MEETING

Thursday, March 12th, 2009

Islamorada Fish Company @ Bass Pro Shop in Broken Arrow

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plant the seeds of tomorrow.

I would like to thank a lot of people for a great spouse's night last month. First, I would like to thank Chad Smith for a great ASHRAE Research Auction. We raised \$1,230 to donate toward ASHRAE Research. Thank you to all of the individuals and companies that donated auction items, and all the individuals that were successful bidders at the auction. Thank you Sherry Alberty, wife of Bob Alberty, who won \$113 in the half pot drawing and donated it back to ASHRAE Research. And a "thank you" to our auctioneer, Jim Keim from McIntosh Services, who made this auction the most fun ever. A big thanks goes to Andy Hogan (aka Will Rogers) for the great entertainment. And last but not least, to the spouses that attended. I know that their support makes our jobs and our work at ASHRAE much easier.

Another way to help plant ASHRAE seeds is to attend CRC. You should have received an email on this year's CRC and there is more information about it in this newsletter. It is April 23rd – 25th in Lubbock, Texas. Hope to see you there!

"Don't judge each day by the harvest you reap, but by the seeds you plant."
- Robert Louis Stevenson

Dan Owens can be reached at 918.270.1414 or owens.d@mcintoshservices.com

Chapter Technology Transfer

By: Robert Schatz / Jeff Ferguson

Last month we enjoyed the colorful story of Will Rogers as told by Andy Hogan. We were also treated to a few



Andy Hogan impersonating Will Rogers

rope tricks and a very entertaining & lively auction.

This month we will get back into the engineering topics with Jerry Sossamon of Spirax Sarco for our main speaker. He will discuss how to maximize energy savings in steam lines. Jerry has been working with steam since his days with Conoco in 1975. He is currently the District Sales Manager with Spirax Sarco and has been in that position since 1999.

The Technical Session will be titled "Energy Management Services – A Consulting Engineer's Perspective." The presentation will be by Mr. Jeff Hunt, PE, GBE, CxA. Mr. Hunt has 25+ years of energy management experience as a corporate energy manager, chief engineer, consultant and design engineer. He is currently employed with Facility Engineering Associates, Inc. in Carrollton, TX.

Plan ahead to attend the ASHRAE satellite broadcast, "Clean, Lean, and Green: IAQ for Sustainable Buildings" on April 22, 2009, 12:00 p.m. - 3:00 p.m. You can find more details on page 6. I would like to ask our members if their company would like to volunteer to provide lunch for this coming presentation.

Please contact me to discuss your ideas for future presentation topics.

Robert Schatz can be reached at 918.836.0271 or Robert.Schatz@leeandbrowne.com

Refrigeration Tour

By: Michael Kirk

The NEOK ASHRAE Chapter held its refrigeration tour at The BOK Center in Tulsa, OK on February 26th. The BOK Center is a recently opened 19,000+ seat entertainment venue that is home to the Tulsa Oilers' hockey team and has hosted such acts as the Eagles, Carrie Underwood, and many other events. The tour was attended by approximately 30 members and guests. Mr. John Crosson of SMG provided an instructional tour of the main mechanical systems serving the facility. One of the highlights of the tour included the low temperature refrigeration system which provides the cooling for the ice rink. Mr. Crosson informed us that the refrigeration system, which is ammonia based, uses a brine solution to cool the arena's concrete floor. The brine solution is distributed under the arena's concrete floor by approximately two miles of plastic piping. Once the concrete is sufficiently cooled, layers of water are sprayed on the floor until the desired ice thickness is achieved, typically in about 36 hours.

I would like to say "Thanks" to Mr. Crosson for the great tour.

Michael Kirk can be reached at 918.258.5618 or william.m.kirk@jci.com

Thanks to Steve Uerling for taking photos at our meetings.

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Research Promotion

By: Chad Smith

Once again, I start this article off by saying, "Thank You." The generosity of our chapter continues to remain strong as evidenced by the success of last month's auction. First of all, thank you to all the members and companies that donated items for the auction. Overall, the auction raised \$1,230.00 for ASHRAE research. Included in this amount was \$ 280.00 for Bill Hanlon's cookies and both of Mary Bowers' pies. Plus Sherry Alberty won the half pot, but graciously turned right around and donated her half that she won which was worth \$113.00.



Jim Keim auctioning items

We are near the home stretch for our fund raising campaign. We anticipate receiving our Golden Circle donations in the next month, so look for those exciting announcements in the future. Those members who haven't had the chance to donate yet, we will be contacting you to hopefully confirm your continued support for ASHRAE research.

If you have any questions about research or would like to know how to

make a donation, please feel free to contact Chad Smith.

Chad Smith can be reached at 918.665.6600 or chad@airetechcorp.com

History

By: Gene Redford

Dick Drinkwater was born on a tobacco farm in central Virginia on May 25, 1934, and graduated from Blackstone High School in Blackstone Virginia in June of 1951.

In August of 1953 Dick volunteered for the US Navy, where he took basic training in Bainbridge, MD. Dick specialized in Marine refrigeration and air conditioning and utilities while serving on board the US Furse DDR-882 DES-FLOT-4, Atlantic fleet out of Norfolk, VA. Dick received his honorable discharge on June 16, 1957.

Dick enrolled in a two year HVAC course at Virginia Tech in September 1957 and graduated with honors in August 1959. While going to school, Dick worked in the evenings and weekends for a commercial contractor to help pay for his expenses.

On August 10, 1959 Dick started his career with Automated Equipment Sales of Virginia (AES) in Richmond, VA as a sales engineer. AES had just become a Carrier distributor in 1958. They were experiencing strong growth in the air conditioning industry at that time. Dick was sent to Salisbury, MD in March of 1961 as General Manager to establish a new distributorship for AES as a York distributor, and served there until 1964.

March 1964 Dick was sent to Roanoke, VA as General Manager to continue the growth of AES as a Carrier distributor. While serving there, Dick said they supervised the construction of several

new facilities. Once again Dick was sent to take another challenge, and in April 1972 he became General Manager of the Norfolk, VA office to continue the growth of a Carrier distributorship. February 1978 took Dick to Charleston, WV to establish a new AES distributorship, which covered West Virginia, Eastern Kentucky and Southern Ohio.

Now the big challenge came in January 1984 when AES bought out The Swan Air Conditioning Co. distributorship for Oklahoma. Mr. Swan was ready to retire and did not have a succession plan in place. Dick came to Tulsa, OK as General Manager to continue the growth of the Carrier distributorship for AES.

As we all know things never stay the same for long and in 1998 Carrier made an offer to AES for all of their assets, which took place shortly thereafter. Dick stayed on with Carrier until 2008, when Carrier realigned its product marketing group and his position was eliminated. Does this sound familiar?

While serving with AES they became the largest Carrier Distributor in the World, with sales reaching \$250,000,000 in their last year. Dick said during that period he had the privilege of working with some of the most talented and down to earth people in the business.

In February 2008 Dick joined the forces of Kelly Coday, who is the York Agent in Eastern Oklahoma.

Dick and his wife Jewel have three children, four grandchildren and two great grandchildren. Dick is a Life Member of ASHRAE.

Gene Redford can be reached at 918.270.1414 or redford.g@mcintoshservices.com

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Directory

By: Bill Hanlon

The Member section was recently updated with the data currently available from ASHRAE Society. We have a number of new members, many of whom do not have their companies represented. If your company is not listed in the Contractor, Manufacturer or Consulting Engineer section, contact me for a company listing and password. If your company is listed but you need to edit the information and don't have your password, click on "edit" in your listing and then "Forgot the password" at the bottom of the page.

Please check your member listing in the directory to be sure all of the information is correct. If any changes are needed, there is a link on the directory to take you to the ASHRAE Society homepage. From there you can log in and update your personal information.

Bill Hanlon can be reached at 918.835.8333 or bill.hanlon@icstulsa.com



Bill and Sara Hanlon at Spouses Night

Student Activities

By: Sam Davis

Bob Allwein, Derek Wilde and I attended the Tulsa University meet and greet Engineering Day on Friday, February 20th. The NEOK ASHRAE Chapter helped support the cause by donating \$100 for the pizza lunch. We found out very quickly that the college students come for the pizza but not to visit. Not much has changed.

Sam Davis can be reached at 918.249.1918 or sdavis@federalcorp.com

January BOG Minutes

By: Rob Teis

Attendees: Bob Allwein, Joel Karstetter, Dan Owens, Mike Beda, Gene Redford, Robert Schatz, Chad Smith, Mike Kirk, Keith Browne, Paul Mannas, Mike Guillen, Mike Gulizio, Rob Teis, Chuck Mayfield.

The NEOK Chapter Board of Governors (BOG) meeting was held on January 15th, 2008 at Joe's Crab Shack.

Chapter President, Dan Owens, called the meeting to order at 4:36 PM.

Minutes: The January 8th Chapter Meeting minutes & January 15th Board of Governors meeting minutes were approved.

Treasurer: Mike Gulizio reported last year's surplus money has not been transferred to the CRC Fund. Audit procedures were discussed.

Newsletter: Articles for the next Newsletter are due January 28th.

Resource Promotion: Chad Smith reported we are currently the only chapter in the region to have raised

more than \$10,000 for ASHRAE Research this year. Chad will be meeting with MCAA & AAON soon to discuss this year's Golden Circle contributions. There will be a Research Promotion meeting soon. We need donation items for the auction on February 12th.

Membership Promotion: Mike Guillen will be reviewing the Membership Promotion PAOE points. He has received several membership renewals.

CTT / Main Programs: The February meeting is Spouses Night. Jim Keim will be the auctioneer. Andy Hogan is a Will Rogers impersonator & will provide the entertainment. Social time will begin at 6 pm. The diner & auction is at 6:30 & the entertainment will start at 7 pm.

The new Creek Nation Casino was discussed as a possibility for the April tour. OSU will charge a \$260 fee for hosting the satellite broadcast. Other venues & web hosting were discussed as alternatives.

CTT / Technical Programs: The January technical session has been rescheduled for the March meeting.

CTT / TEGA, Refrigeration: The BOK Center tour can not be scheduled on the day of an event. The tour will be February 26th at 11 AM.

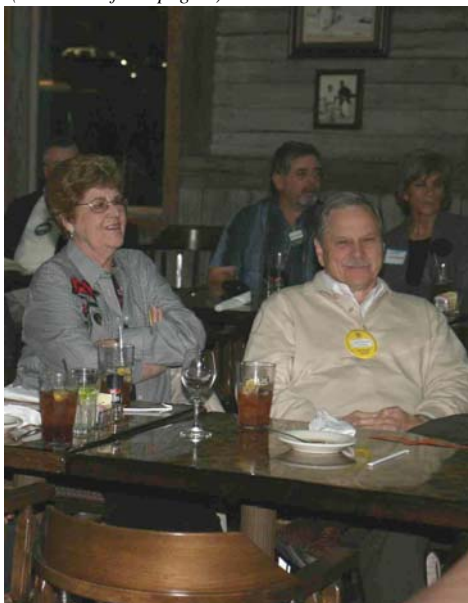
Historian/Honors & Awards: Gene Redford reported the history article is ready. We have the most PAOE points in the region. No new awards have been submitted.

Website: Paul Mannas reported he is updating the web site as necessary.

Nominating Committee: Paul Roberts is starting the process for nominating next year's officers & committee members.

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Mary Bowers and Paul Roberts enjoying the auction.

February Meeting Minutes

By: Rob Teis

The February NEOK Chapter meeting was held on February 12th, 2009 at Islamorada Fish Company in the Bass Pro Shop in Broken Arrow, OK.

Chapter President, Dan Owens called the meeting to order at 6:30 PM.

Invocation was given by Tom Owens. This meeting was the annual Research Promotion Auction & Spouses Night.

Chad Smith & Jim Keim ran a successful auction.

The main program was provided by Andy Hogan. He made entertaining commentary on the wit & wisdom of Will Rogers.

Announcements were made by Dan Owens. Next month's meeting is Student Activities, Past Presidents & Golden Circle night. The main program will be on maximizing energy savings in steam lines. The technical session will be an overview of laboratory design.

The meeting was adjourned at 8:30 pm.

Rob Teis can be reached at 918.382.6134 or robt@aaon.com

CRC Host Committee: Dan Owens reported there will be a meeting with the Crown Plaza soon. We will need about 100 rooms for CRC. The Double Tree Warren Place is another possible venue. Dan discussed the idea of an art deco tour of Tulsa as the spouses tour.

Old Business: The Student Scholarship Committee is: Derek Wilde, Sam Davis, Keith Browne & Paul Roberts.

New Business: A motion passed to buy a wireless lavalier microphone.

Meeting was adjourned at 5:27 pm.

Rob Teis can be reached at 918.382.6134 or robt@aaon.com



Kathy and Dan Owens talk with Andy Hogan (aka Will Rogers).



Dana Andrews, Leah Andrews and Karen Beda at the February meeting.

ASHRAE Satellite Broadcast

April 22, 2009 - 12:00–3:00 p.m.

Clean, Lean and Green

IAQ for Sustainable Buildings

Location: Air Assurance
1301 SW Expressway Drive
Broken Arrow, OK
(Exit the Broken Arrow Expressway at Elm)

Food: Pizza provided
Cost: \$15.00

Using the guidance provided by the IAQ Guide: Best Practices for Design, Construction, and Commissioning developed through collaboration with ASHRAE, AIA, BOMA, EPA, SMACNA and USGBC, this broadcast will challenge the building community to use enhanced IAQ practices to create a more sustainable built environment. Join ASHRAE in learning more about your role in transforming mid-range practice into best practice for healthy, productive, sustainable indoor environments. This broadcast is sponsored by the ASHRAE Chapter Technology Transfer Committee with support from the United States Environmental Protection Agency.

PDH Credits

Three (3) Professional Development Hours or three (3) AIA Learning Units may be awarded to attendees who complete the “Participant Reaction Form” following the broadcast.

About the Presenters

- Martha Hewett, Director of Research, Center for Energy & Environment, Minneapolis, MN
“Practical, Proven Strategies to Deliver Better IAQ”
- Hoy Bohanon, P.E., Owner and Manager of Bohanon Engineering, PLLC, Winston-Salem, NC
“Improving Your IAQ and Reducing Your Energy Costs through HVAC Design”
- H.E. Barney Burroughs, Owner and CEO of Building Wellness Consultancy, Inc, Atlanta, GA
“Keeping Buildings Clean: Avoiding and Building Control of Contaminants to Attain and Maintain IAQ Acceptability”
- George DuBose, Certified General Contractor, Liberty Building Forensics Group, Orlando, FL
“Avoiding Costly IAQ Problems in the Building Envelope”
- John McFarland, P.E., Director of Engineered Systems, Working Buildings, LLC, Atlanta, GA,
“Integrating Good IAQ into the Design & Construction Process”

Registration

Satellite viewer registration will be organized by Robert Schatz. Please contact Robert at 918.836.0271 or Robert.Schatz@leeandbrowne.com.

CRC LUBBOCK 2009

Region VIII CRC in the High Plains of West Texas April 23 - 25, 2009

<http://www.crclubbock.com/>

CRC LUBBOCK AGENDA

Thursday, April 23, 2009

7:00 AM - 6:00 PM	Registration
7:00 AM - 6:00 PM	Hospitality Suite
8:00 AM - 2:00 PM	Golf and lunch at Lakeridge Country Club
10:00 AM - 2:00 PM	Sport Shooting and lunch at South Plains Gun Club
4:30 PM - 5:30 PM	CRC Orientation Meeting
6:30 PM - 9:30 PM	Welcome Party

Friday, April 24, 2009

7:00 AM - 6:00 PM	Registration
7:00 AM - 6:00 PM	Hospitality Suite
7:00 AM - 7:45 AM	Caucus Breakfast
8:00 AM - 11:45 AM	CRC Business Meeting
12:00 PM - 1:45 PM	President's Luncheon
2:00 PM - 5:00 PM	Technical Session
2:00 PM - 5:00 PM	Newsletter Judging Committee
6:30 PM - 8:00 PM	Dinner
8:00 PM - Midnight	Dance

Saturday, April 25, 2009

8:00 AM - 11:00 AM	Golden Gavel Committee
8:00 AM - 11:45 AM	Workshops
12:00 PM - 1:45 PM	Awards Luncheon
2:00 PM - 3:30 PM	CRC Business Meeting
3:30 PM - Finish	CRC Executive Session

2008/2009 Programs

Date	Technical Session	Speaker	Main Program	Speaker	Theme and Special Guests
11-Sept-08	Golf Tournament at Clary Fields Golf Course	Golf Tournament at Clary Fields Golf Course	Golf Tournament at Clary Fields Golf Course	Golf Tournament at Clary Fields Golf Course	Golf Tournament at Clary Fields Golf Course
9-Oct-08	The Global Warming Myth	Mr. Keith Browne	Rising cost of utilities	Mr. Stewart Solomon — President of PSO	Membership Night; Refrigeration Night
13-Nov-08	Proportional Balancing	Mr. John Hamilton TABB	What you need to know about the energy balance between HVAC, TAB & Commissioning	Mr. John Hamilton TABB	Research and Consulting Engineers Night;
10-Dec-08 (WED)	NONE - Lunch Meeting	NONE - Lunch Meeting	LEED	Local panel	Panel Discussion
8-Jan-09	NONE - Lunch Meeting	NONE - Lunch Meeting	UV Lights— Distinguished Lecturer	Mr. Forrest Fencil	Membership Promotion Lunch & YEA Lunch
12-Feb-09	NONE—Auction and Spouses Night	NONE—Auction and Spouses Night	Will Rogers Impersonator	Mr. Andy Hogan	Research Auction; Spouses Night
12-Mar-09	Energy Management Services - A Consulting Engineer's perspective	Mr. Jeff Hunt, Facility Engineering Associates	Maximizing energy savings in steam lines	Mr. Jerry Sossamon, Spirax Sarco	Student Activities, Past Presidents, & Golden Circle Night
9-April-09	NONE—Plant Tour OSU Tulsa ATRC	NONE—Plant Tour OSU Tulsa ATRC	NONE—Plant Tour OSU Tulsa ATRC	NONE—Plant Tour OSU Tulsa ATRC	NONE -Plant Tour OSU Tulsa ATRC
14-May-09	Laboratory Design Overview	Phoenix Controls	Lab Exhaust Systems	Mr. Jack Peters Loren Cook	Awards Night; Installation of Officers

The Oil Capital Air

Northeastern Oklahoma Chapter
 American Society of Heating Refrigerating and Air-
 Conditioning Engineers, Inc.
 P.O. Box 54069
 Tulsa, OK 74155-0069

Visit our website at
www.ashrae-neok.org

Chapter Volunteers

Officers:

		Voice	Fax
President	Dan Owens	270-1414	254-1444
President-Elect	Chuck Mayfield	624-1005	624-1006
Treasurer	Mike Gulizio	455-1712	451-1596
Secretary	Rob Teis	382-6134	382-6295

Board of Governors

Robert Allwein		770-5380	n/a
Bill Hanlon		835-8333	835-9992
Mike Beda		664-0312	665-3351
Joel Karstetter		665-3974	836-0275
Keith Browne		258-7460	258-7460

Committee Chairs

CRC Delegate	Dave Lam	250-5590	459-0997
CRC Alternate	Nancy Mack	230-3350	n/a

Committee Chairs (cont.)

		Voice	Fax
Attendance	Scott Pollard	250-5590	459-0997
Directory	Bill Hanlon	835-8333	835-9992
Historian	Gene L. Redford	270-1414	254-1444
Honors & Awards	Gene L. Redford	270-1414	254-1444
Invocations	Paul Roberts	382-6268	382-6295
Membership	Mike Guillen	258-2665	258-9276
Newsletter	Chuck Mayfield	624-1005	624-1006
Programs (Main)	Robert Schatz	836-0271	836-0275
Programs (Tech)	Jeff Ferguson	877-6000	877-4000
Publicity	Dustin Searcy	641-5859	641-5857
Reception	Scott Sherwood	317-3152	250-5419
Refrigeration	Mike Kirk	258-5618	258-2425
Research Promotion	Chad Smith	665-6600	627-7004
Special Events	Jerry Beardslee	587-4747	587-8008
Student Activities	Sam Davis	249-1918	249-9014
Sustainability	Chad Marazas	317-3151	250-5419
Webmaster	Paul Mannas	664-0312	665-3351

Calendar of Events

Important Dates

August 21, 2008	Board of Governors
September 11, 2008.	Chapter Golf Tourney
September 18, 2008.	Board of Governors
October 9, 2008	Chapter
October 16, 2008	Board of Governors
November 13, 2008.	Chapter
November 20, 2008.	Board of Governors
December 10, 2008 . WED.....	Chapter Lunch Meeting
December 18, 2008 ..	Board of Governors
January 8, 2009	Chapter Lunch Meeting
January 15, 2009	Board of Governors
January 24-28, 2009	ASHRAE Winter Meeting
February 12, 2009 ...	Chapter
February 19, 2009 ...	Board of Governors
March 12, 2009	Chapter
March 19, 2009	Board of Governors
April 9, 2009	Chapter
April 16, 2009	Board of Governors
April 23-25, 2009	CRC
May 14, 2009.....	Chapter
May 21, 2009.....	Board of Governors
June 20-24, 2009	Annual Meeting

Location

Joe's Crab Shack
Clary Fields Golf Club
Joe's Crab Shack
Islamorada Fish Company
Joe's Crab Shack
Islamorada Fish Company
Joe's Crab Shack
Islamorada Fish Company
Joe's Crab Shack
Islamorada Fish Company
Chicago, IL
Islamorada Fish Company
Joe's Crab Shack
Islamorada Fish Company
Joe's Crab Shack
Plant Tour
Joe's Crab Shack
Lubbock, TX
Islamorada Fish Company
Joe's Crab Shack
Louisville, KY