



The Oil Capital Air

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

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December 2009

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Green vs. Green



Chuck Mayfield
Chapter President

President's Message

By: Chuck Mayfield

Our industry, if not our world, is buzzing with the word "green." The green movement is all around us. On the Society level, ASHRAE is spending a lot of time and resources to lead the movement. They plan to join with the Illuminating Engineering Society (IES) and the United States Green Building Council (USGBC) to revamp Standard 189.1. ASHRAE desires their standards to guide and influence building codes across the United States to a greener path.

Chapter of USGBC. Third, we have moved the location for this meeting to the Marriott on 71st Street, between S. Lewis and Riverside Drive. We wanted to make sure everyone had enough room to spread out and enjoy the meeting. We will return to our normal location in January.

Michael Leboeuf said, "Waste your money and you're only out of money, but waste your time and you've lost a part of your life." I propose that we learn to spend our money and time wisely, therefore grab a co-worker or invite a customer to lunch on Dec. 10th at the Marriott to listen, learn and ask questions of the expert panel on the latest green topics. See you Thursday.

Chuck Mayfield can be reached at 918.624-1005 or cmayfield@eei-ok.com

So we thought at the local level we should investigate this "green" machine. What does it mean to be green? How do we design, engineer, and build to green standards? Where should we spend our greenbacks to get the most efficient, least first cost system? How do we design these systems in a manner that is easy to understand and for an owner to maintain?

At our December 10th **LUNCH** meeting we will have five experts on a panel to discuss these questions and many more. Not only is the panel discussion a change from our normal format, we have three more changes. First, the meeting will be a lunch gathering at **11:30 am**. Second, this will be a joint meeting between The NEOK ASHRAE Chapter and The Oklahoma

Chapter Technology Transfer

By: Duane Harman

We had a good turn out to last month's tech session on hybrid heating systems. The technical session presented by Jeff Deal, CEO of Hamilton Engineering, Inc. in Livonia, Michigan. They are a manufacturer of high efficiency water heating and hydronic heating products and systems. Thank you Jeff; your presentation was well received by the attendees.

Last month's main program session by Jeffrey D. Spitler, Regents Professor and C.M. Leonard Professor in the School of Mechanical and Aerospace Engineering at

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UPCOMING EVENTS

- December 10th - 11:30 am Chapter Meeting - Lunch & Panel Discussion at Southern Hills Marriott - 71st between Lewis & Riverside
- December 17th, 4:30 - Board of Governors Meeting at Joe's Crab Shack

DECEMBER CHAPTER MEETING

December 10th, 2009 @ 11:30 am

Southern Hills Marriott—71st St between Lewis & Riverside

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Oklahoma State University, was informative. We all enjoyed seeing how OSU contributes to ASHRAE research.

This month's lunch meeting will be a joint meeting with the USGBC Oklahoma Chapter. The luncheon will feature a panel discussion on the economics of Green Buildings, titled Green vs. Green (\$\$\$). We have a diverse panel of guests experienced in designing, constructing, and operating Green Buildings. It will be a very informative and helpful discussion for all.

Duane Harman can be reached at 918.877-6000 or dharman@cyntergaec.com

Veterans Tribute at Nov. Meeting

By: Paul Roberts



The Northeastern Oklahoma Chapter of ASHRAE paid tribute to its veteran members and a special guest at the November 12 chapter meeting, the day following Veterans Day. In addition to recognizing all its veteran membership in attendance, a special recognition was given to World War II veteran Woody Russell Roberts. Mr. Roberts was recognized for his meaningful contribution to the air war

conducted in the hostile skies over Europe in WWII. He served as a flight engineer crew member on the well-known B-24 Liberator bomber as it took the war to Germany and its allies during the years 1943 and 1944. Mr. Roberts flew on 50 combat missions and, unlike many other bomber crew members, managed to return home safely. He flew with the 15th Army Air Force, 455th Battle Group from an airfield positioned in Italy on all his missions. He stated that "while it was an honor to have served his country during that terrible war, he would not wish that experience on anyone else". He received many medals for those efforts, some of which are indicated in the accompanying picture.

Paul Roberts can be reached at 918.382.6268 or paulr@.com

History

By: Gene Redford

This month the Northeastern Oklahoma Chapter of ASHRAE wants to honor Ron Spencer, one of the chapters most noted members. The following article appeared in the February 2002 issue of The Oil Capital Air anonymously. I thought it would be appropriate to run again.

Cold blew the wind on that February 20th, a foreboding sign of what was to come. It was 1938 in Konawa, Oklahoma. The nation was emerging from the Great Depression, the dust bowl was ending, and the world was on the verge of entering World War II. But on that day in 1938 a gust that has never stopped blowing entered the world. His name was Ron Spencer. As he will tell you, ask him the time and he'll tell you how to build a clock. Over his 70 years he has amassed a fortune in knowledge that few of us in the air conditioning industry will ever know.

By degree he became a chemical engineer, by profession a recognized expert in the field of refrigeration. What better place for a man of his stature to start his career than working for a mortician in the small town of Konawa. But this lasted only a while. As he tells it, when working for small town mortician you are either looking for work or burying your friends. After attending East Central College in Ada, Oklahoma, with several chemistry courses under his belt, Ron moved on to work for an Atomic Energy Commission sub-contractor in Grants, New Mexico in 1957. But atomic bombs were not his calling, so he entered Oklahoma University in 1959 where he received his Chemical Engineering degree in 1963.

Ron signed up with the Trane Company after graduation and (if you can believe this) requested an assignment in Oklahoma City, but instead was assigned to the Dallas office. After two years of Texas he decided Oklahoma was still home and requested a transfer. Opportunity knocked in Tulsa. From rookie sales engineer in 1963 to part owner of the Tulsa office in 1981, he developed into the most knowledgeable refrigeration expert that the Northeastern Oklahoma Chapter of ASHRAE, and likely Region VIII, has ever known. Never at a loss for words, Ron could not only answer any refrigeration question one had, he could diagram it on a Mollier Chart, give you the theory behind it, and design it for you.

Ron has served the NEOK chapter in every capacity, including president in 1978, and has served Region VIII as RVC in Refrigeration. One of his many accomplishments is receiving the Region VIII Regional Award of Merit.

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Along the way he raised three children and put them through college while starting his own business in 1986. He resurrected what had become a defunct York presence in Tulsa as he started Optimum Systems and Service (OSS). While making great personal sacrifice to keep this new fledging business going, he never missed a payroll for his employees. Ron eventually sold OSS to Airetech Corporation and became the branch manager in Tulsa. When Kelly Cody decided to take on the York line, Ron left Airetech to help Kelly get his business started.

But the real story behind Ron Spencer is his unfailing loyalty to what is right. He is a vanishing breed. As he will tell you, there is no gray; everything is black and white. Ron would rather lose a sale than to sell a job that has a misapplication of equipment or technology. And he has the knack to foresee this before it is built. Instead, he will help solve a problem on a job which he originally declined to bid, because it is the right thing to do. Ron is often called in as a problem solver on projects because there is no one else with his knowledge of refrigeration in the area. I can remember going to Ron for help on a problem project and he proceeded to diagram a compressor map on a marker board, when all I really wanted to know was how to solve my refrigeration piping problem. But I learned something I had not known before.

There are many testimonies to Ron's love of passing his knowledge on to others. He worked with a young man who was starting his own residential refrigeration business and guided him through the theory that one has to know to make it all work. Bill Hanlon said he felt like he had gained an engineering degree from his many breakfast meetings with Ron and their morning chats, over the past 15 years. Bill indicated he is already missing those breakfast meetings.

Ron has spoken at numerous seminars and taught training classes for newcomers and old-timers in the business. I too remember Ron was the instructor at one of my earlier HVAC seminar, when he first started with Trane. Even Arkansas recognized his ability when he was called to speak on fan laws at an NEBB training class.

Within the NEOK chapter, Ron has faithfully contributed at board meetings and chapter meetings throughout the years. His knowledge is so extensive; he can speak on any HVAC&R subject. I recall one chapter meeting when the Tech Session speaker failed to show up, and Ron was asked to fill in on a moment's notice. He immediately agreed and spoke for 45 minutes straight from the cuff. No one had any idea this was completely ad lib.

For several years Ron has served the NEOK chapter as historian, and did an excellent job. I think that was the same time Jack Tumilty was the chairman of Region VIII historians, so the two of them were quite the team. I think our chapter got the history ribbon for several years then.

Ron, for all the years of service and dedication to the Northeastern Oklahoma Chapter of ASHRAE and it's members, please accept this heartfelt thanks from all of us.

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

October 14th BOG Minutes

By: Mike Gulizio

Attendees: Duane Harman, Chuck Mayfield, Dan Owens, Mike Beda, Mike Kirk, , Mike Gulizio, Bill Hanlon, Bob Allwein, Chad Smith, Brady King, Dustin Searcy, Mary Over, Gene Redford, Keith Browne, Ryan Crone, Scott Pollard, Steve Johnson, Paul Roberts, Sam Davis, Rob Teis

The NEOK Chapter Board of Governors (BOG) meeting was held on November 19th, 2009 at Joe's Crab Shack.

Chapter President, Chuck Mayfield, called the meeting to order at 4:33 PM.

Treasurer: Mike Kirk reviewed the financial reports. Chuck Mayfield asked if the monthly meetings were balancing as profitable. Mike reviewed the numbers from our last meeting and found it had generated \$1375.00 in revenue and our tab to the restaurant was \$1180.00.

Newsletter: Rob Teis stated that the articles for the next Newsletter are due November 25th.

Resource Promotion: Chad Smith reported we have collected \$11,200.00 YTD. Our goal is \$47,500.00 this year, which is \$2,000.00 less than last year.

CTT / Main Programs: Duane Harmon stated that panel members are needed for the upcoming "Green vs. Green" joint meeting with the USGBC. Dan Owens suggested that a RSVP be mandatory for this meeting. Speakers have been confirmed for January and Joe McGee will be the speaker for Spouses Night in February.

Attendance: Scott Pollard announced he is going to start sending 3 Evites instead of 2.

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Student Activities: Sam Davis said he is working with his OSU/Okmulgee contacts on a scholarship application form. Sam also requested we raise the scholarship amount from \$400.00 to \$500.00. The request will be reviewed.

Website: Scott Pollard brought Ryan Cone to the meeting. Ryan requested any comments or suggestions regarding the new website design. None were offered.

CRC Action Committee: Chuck Mayfield appointed Paul Roberts to head up a committee to search for a CRC Chairperson. Dan Owens, Gene Redford, Bill Hanlon, Rob Teis and Mike Kirk were also asked to be on the committee.

New Business: Paul Roberts reported the Roberts, who were honored at our November meeting, had called to express their thanks for our invitation and gift presentation.

The meeting was adjourned at 5:31 pm.

Mike Gulizio can be reached at 918.455-1712 or migulizio@cox.net

Research Promotion

By: Chad Smith

Thank you to all who attended our November Resource Promotion night last month. We recognized those honor roll donors from 2008-2009 year both personal and corporate. On behalf of the NEOK chapter and Society, thank you to each and every one of you who continue to support ASHRAE Research.

We are well on our way for our 2009-2010 research campaign this year. We have raised over 25% of our goal already and we anticipate reaching our goal of \$ 47,500.00 this year. I want to remind you that your donations to research are tax deductible so you can still make contributions that will count on your 2009 tax returns. Also, remember that 100% of the money given to ASHRAE goes directly to research. All administrative costs for research are taken care of by other funds at Society.

One last reminder, please remember to send in your donation if you agreed to be one of the tournament sponsors. Please remember to make checks payable to ASHRAE Research. Also, some of you have mentioned that you needed an invoice to present to your companies. If that is the case, please contact me at 918-665-6600 or at chad@airetechcorp.com and let me know. We will get an invoice to you as soon as possible. Thank you again and I hope to see all of you next month.

Chad Smith can be reached at 918.665-6600 or Chad@airetechcorp.com

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(Welcome page of the updated web site)
<http://www.ashrae-neok.org/>

Vision Statement

Northeastern Oklahoma ASHRAE

*will be the regional leader in the arts and sciences of heating, ventilation, air conditioning and refrigeration;
 will be the leading source of technical and educational information for Northeastern Oklahoma;
 will be the primary provider of opportunity for professional growth for chapter members.*

November 12, 2009 Meeting Pictures



Chuck Mayfield, Woody Russell Roberts, Paul Roberts



Gene Redford & Keith Averitt



Jeffrey D. Spittler



Jeff Deal



Meeting attendees



Meeting attendees

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ASHRAE Jobs

By: **Brian Haynes**

With an exceptionally difficult recruitment market, the ASHRAE Jobs Career Center has been averaging 55 active job postings per month and just over 5,000 monthly job seeking visitors. Recruiters are experiencing, on average, 12 online applications per job posting and have access to just over 1200 resumes that have posted since its launch on June 15.

ASHRAE Jobs is not only about the hire. It is the path to a hire. By visiting www.ashraejobs.com, you can search for certain skill sets and demographics that you are "always looking for". It is the place to capture high performers you can use to replace underperformers. Is this the place to see if your competitor's people are out searching and interested in you. It is also the

place to capture candidates for your Q1 hires because we are only 45 days away.

ASHRAE Jobs understands you do not want to be sold to. But you still have opportunities and problems, and may need a professional to discuss those with. That is what you can expect from ASHRAE Jobs: a no-strings-attached conversation where a representative listens and then makes recommendations whether they include ASHRAE Jobs or not. For more information, visit www.ashraejobs.com, call 888-482-2562 or e-mail John VonHarz at jvonharz@ashraejobs.com. An ASHRAE Jobs representative is available during business hours to discuss your firm's needs and make recommendations on next steps.

Brian Haynes can be reached at 678.539-1132 or BHaynes@ashrae.org

2009/2010 Programs

Date	Technical Session	Speaker	Main Program	Speaker	Theme and Special Guests
10-Sept-09	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
8-Oct-09	Ground Source Design for Commercial / Industrial Systems	Garen Ewbank, Ewbank Geo Testing	Geothermal Systems and Tax Incentives	Dan Ellis, President Climatemaster	Membership Night; Refrigeration Night
12-Nov-09	Hybrid Boiler Systems	Hamilton Engineering	ASHRAE Research Status	OSU Faculty	Research and Consulting Engineers Night
10-Dec-09	NONE - Lunch Meeting	NONE - Lunch Meeting	Green Vs. Green	Panel of 5 TBA	Panel Discussion
14-Jan-10	NONE - Lunch Meeting	NONE - Lunch Meeting	Upcoming Code Changes for HVAC Equipment	Mark Fly, Director of Engineering-AAON, Inc.	Membership Promotion Night & YEA Night
11-Feb-10	NONE—Spouses Night	NONE—Spouses Night	Working Marriage	Joe McGee	Research Auction; Spouses Night
11-Mar-10	ECM Pump Design	TBA	LEED & Hydronic Systems	TBA	Student Activities, Past Presidents, & Golden Circle Night
8-April-10	OSU HVAC&R Research	OSU Graduate Students	Variable Refrigerant Applications	TBA	
13-May-10	Energy Audit & Campus Applications	TBA	ASHRAE 62.1	Dennis Stanke, Trane Commercial Systems	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	Chuck Mayfield	624-1005	624-1006
President-Elect	Rob Teis	382-6134	382-6295
Treasurer	Mike Kirk	258-5618	258-2425
Secretary	Mike Gulizio	455-1712	451-1596

Board of Governors

Robert Allwein		770-5380	
Steve Johnson		270-1414	270-1444
Mike Beda		664-0312	665-3351
Joel Karstetter		665-3974	665-4219
Keith Browne		258-7460	258-7460

Committee Chairs

CRC Delegate	Dan Owens	270-1414	270-1444
CRC Alternate	Chuck Mayfield	624-1005	624-1006

Committee Chairs (cont.)

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	Scott Sherwood	317-3152	250-5419
Newsletter	Rob Teis	382-6134	382-6295
Programs (Main)	Duane Harman	877-6000	877-4000
Programs (Tech)	Jeff Ferguson	877-6000	877-4000
Publicity	Mike Guillen	258-2665	258-4328
Reception	Brady King	493-2712	493-2713
Refrigeration	Eric Norris	382-6303	382-6369
Research Promotion	Chad Smith	665-6600	627-7004
Special Events	Dave Lam	250-5590	459-0997
Student Activities	Sam Davis	249-1918	249-9014
Sustainability	Mike Phelps	877-6000	877-4000
Webmaster	Scott Pollard	250-5590	459-0997

Calendar of Events

Important Dates

August 20, 2009.....	Board of Governors
September 10, 2009 .	Chapter Golf Tourney
September 17, 2009 .	Board of Governors
October 8, 2009	Chapter
October 15, 2009	Board of Governors
November 12, 2009 .	Chapter
November 19, 2009 .	Board of Governors
December 10, 2009..	Chapter <u>Lunch Meeting</u>
December 17,2009...	Board of Governors
January 14, 2010.....	Chapter <u>Lunch Meeting</u>
January 21, 2010.....	Board of Governors
January 23-27, 2010.	ASHRAE Winter Meeting
February 11, 2010....	Chapter
February 18, 2010....	Board of Governors
March 11, 2010.....	Chapter
March 18, 2010.....	Board of Governors
April 8, 2010.....	Chapter
April 15, 2010	Board of Governors
April 22-24, 2010.....	CRC
May 13, 2010.....	Chapter
May 20, 2010.....	Board of Governors
June 26-30, 2010.....	Annual Meeting

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
Marriott Southern Hills
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
Monterrey, Mexico
Islamorada Fish Company
Joe's Crab Shack
Albuquerque, NM