



The Oil Capital Air

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

Special Points of Interest

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Volume XLIX, Issue 6

Tulsa, Oklahoma

February 2007

February is Research Auction and Spouses Night

President's Message By: David Lam



Dave Lam
Chapter President

The February meeting is always a fun meeting and the recent addition of the auction has only added to that. If you have any last minute items please contact Rob Teis. We can never have too many items to auction and I don't think that is a problem at this point. This meeting really kicks the research promotion campaign into full gear. We hope that a successful

auction will catapult Rob's efforts this year.

I want to thank Tom Hanlon and Chris Huston for their time and efforts. We had an educational meeting last month and they helped to continue the trend of outstanding speakers that we have enjoyed this year. We have been fortunate this year as our speakers on the whole have been very good and the presentations have been both educational and entertaining. Our speaker this month will be Dewey Bartlett. The topic will NOT be political; it will be solely related to the oil and gas industry, a hot topic of conversation these days. I hope to see many members with their spouses at the meeting.

As many of you have seen lately, Chuck Mayfield has been burning up the computer keys getting

delinquent notices out to individuals whose memberships have expired or are on the verge of expiration. He has not been procrastinating. Society only recently made the download of delinquents available to membership promotion chairs, so not only is Chuck a busy man with this, everyone in society is busy with it. I hope that this has not caused any hardship or confusion with anyone, but it has been out of our control. We do appreciate every ones understanding and cooperation.

CRC is just 2 months away and your committee chairs have done a very good job of staying on top of their requirements for PAOE and helping keep our chapter active within. We had a well attended plant tour of the Quik Trip kitchens a couple of weeks ago. Kudos to

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UPCOMING EVENTS

- *January 11, 2007*
Chapter Meeting at Renaissance Hotel, 6808 South 107th East Ave.
- *5:20 - Cocktails*
- *5:45—Auction viewing begins*
- *6:30 - Dinner and Main Program*
- *February 15, 2007*
Board of Governors Meeting at ABS

FEBRUARY CHAPTER MEETING

Thursday, February 8, 2007
Renaissance Hotel

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Mike Guillen who arranged the tour. Many years we have scrambled to make sure we had enough attendees, but we had over 40 people in attendance at this tour. Many thanks to all who were there.

The nominating committee will have their first meeting by February's chapter meeting. We hope that whomever is nominated will accept the position with open arms. We should see the ballot out within the next couple of months so that the May installation will go smoothly as it always does.

We look forward to seeing everyone at spouse's night this month.

Dave Lam can be reached at 918.250.5590 or david.lam@omni-2.com

Chapter Technology Transfer

By: Brian Hamilton and Keith Browne

February Meeting Preview

Our main program will begin with our annual research auction. Over dinner, we will enjoy a presentation by Dewey Bartlett with Keener Oil & Gas Company. He will be speaking on the topic of oil & energy in today's marketplace.

The present day Keener Oil & Gas Company has its roots in the early 1900's with the arrival in Tulsa of D. A. Bartlett from Titusville, PA. He immediately became involved in the oil business in Creek, Tulsa and Washinton counties. After D. A. Bartlett's death in 1922, the company continued to grow and soon led to ownership and management by his two sons - David A. Bartlett and

Dewey F. Bartlett.

In 1951, the corporate structure was changed to that of a general partnership and the name was changed to Keener Oil Company. Following the deaths of David A. Bartlett in 1975 and Dewey F. Bartlett in 1979, the company continued its growth with principle ownership by Dewey's three children - Dewey F. Bartlett, Jr., Joan B. Atkinson, and Michael H. Bartlett. Dewey F. Bartlett, Jr. became the managing general partner in 1987.

After a series of minority interest purchases, the three children restructured the company and divided ownership of various properties. Today, the present day Keener is owned by Dewey F. Bartlett, Jr., and operates as an Oklahoma corporation under the name of Keener Oil & Gas Company.

Keener's varied history has included ownership of coal reserves, oil tank cars and an oil field supply company. Its operation of numerous waterfloods instilled a firm belief in the

use of good technologies for ultimate extraction of crude oil and natural gas. Keener's involvement with the DOE's predecessor, The Bureau of Mines, led to several successful documented waterfloods in the post World War II period to 1965.

Keener's very successful discovery of 2nd Wilcox production in Seminole County during the 1960's & 1970's set off a mini-boom of exploration activity. A very significant gas play was discovered and developed in southern central Kansas near the Spivey-Grab Field in Kingman County during the 1970's & 1980's. That same exploration vision led to Wilcox and Dutcher discoveries in Creek County since 1985.

Keener's exploration philosophy has been consistent - to develop prospects with multi-well and multi-pay potential. Management is not adverse to accepting the challenge of sensible risk. They accept reasonable capital exposure when the end game is substantial recoverable reserves of oil



President Dave Lam introducing December meeting panelists.

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and natural gas.

Brian Hamilton can be reached at
918.858.0060 or
smilinbrian@yahoo.com

February Technical Session Preview

Due to the research auction and spouses night, there will be no technical session this month.

January Meeting Review

The January Technical Session was presented by Mr. Tom Hanlon of Little Rock, AR. Tom spoke on the subject of Retro-Commissioning for Building Optimization and Improved Energy Efficiency. Retro-commissioning is the systematic process by which the Owner ensures that the building and systems are optimized to perform interactively to meet the current operational needs as closely as possible. This includes building systems such as HVAC, controls, electrical elevators, plumbing, roofs and the building envelope.

Tom emphasized the team approach to addressing retro-commissioning. Team members can include the commissioning administrator, engineer, TAB agency, control contractor, electrical contractor, plumbing contractor, and other personnel as applicable to each building. In addition to the team members, building occupants and maintenance staff are involved in identifying the problems since they have direct day-to-day contact with the building's most problematic issues. The goal of retro-commissioning is to identify and correct the building's problems, not simply to look at the symptoms. Resolving the problems will improve comfort levels and improve efficiency as well as increase the

building's value. In most cases energy usage will be reduced, but in some under-performing buildings energy usage may increase as cooling or heating problems are solved.

Tom indicated that typical retro-



Presenter, Tom Hanlon

commissioning costs are in the range of \$0.25 to \$0.40 per square foot for simple buildings and \$0.40 to \$1.00 per square foot for complex buildings. Retro-commissioning offers many long-term benefits to building Owners. It also offers an opportunity for engineers, commissioning agents, and contractors to apply their experience to benefit the community.

Chris Huston national sales manager for Systecon Incorporated was our main program speaker. He gave a great non commercial presentation over the benefits of having a pre packaged mechanical room.

Keith Browne can be reached at
918.258.7460 or bce@valornet.com.

Brian Hamilton can be reached at
918.858.0060 or smilinbrian@yahoo.com

History

By: Bob Allwein

2004-2005 Chapter review for the Northeastern Oklahoma Chapter of ASHRAE. **July 2004:** Steve Johnson, Chapter President, turns over the reigns to incoming President Joel Karstetter. July saw the passing of William J. (Bill) Collins, a long time ASHRAE leader and supporter. Many people in the NEOK Chapter had been recipients of Bill's mentoring. **September:** The chapter year was kicked off with a golf tournament and Bar-B-Q at Clary Fields. **October:** DRC Art Geisler visited our chapter and Board of Governor's meeting. Steve Johnson was awarded the Membership Promotion Award for signing up the most members in 2004-2005. Bob Allwein, Student Activities Chair, gave a presentation on ASHRAE and engineering to students at Union Middle School. Myke Thompson, Historian, wrote and article on Manufacturer's Representative, Ameco, Inc. Dinner cost for Chapter Meetings was raised to \$25. **November:** A refrigeration tour was held at the National Steak and Poultry facility in Owasso. Student Activities committee members visited students at OSU Okmulgee to promote membership in the student chapter. Evite as used on a trial basis and deemed a success. The chapter mourned the death of Al Derycke. **December:** Myke Thompson had a chapter history article in the newsletter. Myke began with the Chartering of our chapter in 1948 to present time. Our annual luncheon meeting was a big success. The main program was a panel discussion on Budgeting and Value Engineering. Chapter finances were transferred over to Quicken. **January 2005:** Membership Chair, Chuck Mayfield, announced four new members: Fred Hoffman, Barry Sweet, Josh Shepherd and Joe Ross. **February:** The Chapter

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raised over \$2,500 for Resource Promotion at the auction during the annual Spouses Night meeting. The program topic for the night was the History and Growth of Tulsa. No shows for meetings continued to be a problem. Because the Chapter has to pay for the meals the Board of Governors instructed Treasurer Nancy Mack to invoice members for the meal cost when they make a reservation and do not show up for the meeting and/or pay for the meal. **March:** Lee Burgett, President of ASHRAE, Attended our Chapter Meeting and gave a very interesting talk on his ASHRAE initiatives and some of his travels around the world as ASHRAE President. A "Texas Hold'Em" Night was held to raise Resource Promotion funds. The Chapter participated in the Tulsa Engineering Challenge for the first time. Teams from many of Tulsa area attended the event and competed in a number of engineering related competitions. **April:** The Chapter Meeting was a plant tour at McElroy Manufacturing. They manufacture the machines that weld plastic gas pipe in the field. This meeting was also Student's Night and scholarships were awarded to four OSU-Okmulgee Student Chapter members Chris Lewis, Mitchell Bozone, Gary Daniels and Matt Hagood each received a check for \$400. The new Student Advisor for the Okmulgee student chapter, Roger Shepherd, and another HVAC instructor, Paul Margwarth also attended the meeting. The Northeastern Oklahoma Chapter Returned from the CRC held in Cancun, Mexico where they won many prestigious awards. Steve Johnson, chapter president 04-05, won several awards for his service in 04-05 including the Premiere Award. The Premier Award is given to a chapter that consistently exhibits excellence.

Brain Hamilton won several Research Promotion awards for his service in 04-05. Joel Karstetter also brought back the Golden Gavel Award. **May:** At the Chapter Meeting Paul Roberts, nominating Committee Chair, installed the new officers for 2006-2007. Dan Owens was installed as Chapter Secretary, Nancy Mack as Treasurer, Pamela Dunlap as president-Elect. and David Lam as President. Resource Promotion, now changed back to Research Promotion collected \$43,764.00 for the year and



14 new members were added to the Chapter roles. 2005-2006 was a good year and Joel Karstetter and his team did an excellent job of carrying on the great tradition of excellence found at the Northeastern Oklahoma Chapter of ASHRAE.

Bob Allwein can be reached at 918.770.5380 or ballwein@cox.net

Membership Promotion

By: Chuck Mayfield

What does the Membership Committee do? We are focused on recruiting new members and encouraging existing members to stay current on their dues. On the topic of recruiting, we are on pace to match or possibly exceed last year's total. Thank you and please keep up the good work.

On the topic of encouraging existing members to pay dues, we have fallen short of our goal. I apologize on the behalf of ASHRAE Society to our members, especially those that have been dropped without much notice. Let me explain. Every month I receive many reports about local membership. One of the reports is the delinquent members report. Unfortunately I have not received any reports since August 2006. I was unable to inform those delinquent members when their membership dues were unpaid. To complicate matters further, ASHRAE Society shortened the grace period from 1 year to 6 months. These two items caused a few members to fall in the grace period and some other members to be dropped.

The ASHRAE Society reports are operating again, however I am not 100% confident that these reports are correct. Using these questionable reports, I was able to research and find 10 members affected and contact them with the proper course of action.

Again, I am not confident in the latest membership reports from ASHRAE and since the reporting system was down for over 4 months, other members may have been dropped without being reported. I think 3 or 4 people may be dropped from the roles with-

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out showing up on a delinquent list. I would highly suggest that you log-on to www.ashrae.org and check the status of your membership. Thanks.

Chuck Mayfield can be reached at 918.624.1005 or cmayfield@eei-ok.com

Student Activities

By: Sam Davis

We have 18 new student members OSU Okmulgee. These new faces are the lifeblood of our Chapter. Please make them feel welcome at the upcoming meetings.

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

Resource Promotion

By: Rob Teis

This month is the auction!!!!. Bring your spouses & get ready to have a good time. We have a diverse amount of items and this is for a great cause. All of the proceeds of the auction go to ASHRAE Research, which is one of the most important functions of ASHRAE. If you have any last minute items, please let me know. You can contact me by phone at 382-6134 or by e-mail at robt@aaon.com.

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

January BOG Minutes

By: Dan Owens

Attendees: Dave Lam, Dan Owens, Keith Browne, Sam Davis, Bill Hanlon, Mike Beda, Bob Allwein, Paul Roberts, Mike Gulizio, Paul Mannas and Steve Uerling.

The NEOK Chapter Board of Governors (BOG) was held on January

18th, 2007, at the offices of ABS. President Dave Lam called the meeting to order at 4:35 p.m.

Minutes: December BOG and January Chapter meeting minutes were distributed prior to the BOG meeting and corrections were collected. A motion was made and seconded to approve minutes as corrected and the motion carried.

Treasurer: Dan Owens presented the Financial Report. The report was filed for audit. Dan reported that all Treasure's books have been turned over to him and that all accounts have been updated with the exception of the Merrill Lynch account.

Newsletter: Newsletter articles should be sent to Nancy Mack by January 30th for the February newsletter.

Resource Promotion: Rob Teis reported that he is still looking for auction items.

CTT: President Lam reported that everything is set up for the February meeting and that we will have a QT kitchens tour on Jan 23rd at 11:00.

Student Activities: Sam Davis reported that the TU chapter is looking for some help for a mission trip. A discussion took place on how to get student chapters more active.

Directory: Bill Hanlon is still looking for help on the website and directory and will be posting a help wanted ad in the new newsletter.

History: Bob Allwein reported that a history article for February will be a year in review article.

Website: Paul Mannas presented the bill for the domain name renewal and a motion to pay for a three year renewal was made. Motion was sec-

onded and passed.

CRC Action: President Lam presented the updated mid-year PAOE points.

Nominating Committee: Paul Roberts asked to board to form a new Nominating Committee, the new committee will be Paul Roberts, Nancy Mack, Keith Browne and Bill Hanlon.

Old Business: None

New Business: None

The next Board of Governors meeting will be February 15th, 2007, 4:30 p.m., at the ABS offices.

Meeting was adjourned at 5:45 pm.

January Chapter Meeting Minutes

By: Dan Owens

A Technical Session prior to the main meeting was presented by Tom Hanlon with The Trane Company - Arkansas. Mr. Hanlon discussed "Retro-commissioning Buildings for Improved Energy Efficiency".

The NEOK Chapter Meeting was held on January 11th, 2007 at the Tulsa Renaissance Hotel. President Dave Lam called the meeting to order at 6:45 p.m.

President Lam introduced our guests.

Rob Teis asked the chapter to consider donating auction items for the annual ASHRAE Research Promotion Auction on Spouses Night.

President Lam asked Chuck Mayfield to talk about YEA. Chuck informed the Chapter about Young Engineers in ASHRAE.

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President Lam invited Ron Spenser to deliver the invocation. Ron led the chapter in reciting the Pledge of Allegiance and afterwards gave the invocation.

Following dinner, Chuck Mayfield introduced the night's speaker. Chuck introduced Chris Huston with Systemcon. Mr. Huston gave an informative presentation on "Prepackaged Mechanical Room Systems".

President Lam thanked Tom Hanlon and Chris Huston for the Technical Session and Main Program.

President Lam announced that the next meeting is February 9th, 2007. It is Spouses' Night and the Annual ASHRAE Research Auction.

Meeting was adjourned at 8:30 pm.

Dan Owens can be reached at 918.250.1414 or owens.d@mcintoshservices.com

2007 Centennial Celebration

CENTRAL OKLAHOMA CHAPTER

Region VIII

Chapter's Regional Conference



April 12th, 13th & 14th
2007

John L. Harrod, General Chair
Phone: (405) 478-5353
John.harrod@mail.ashrae.org

For Conference details go to
www.ashraecok.org

www.TravelOK.com

www.visitOKC.com

DECEMBER MEETING GALLERY



Wayne Smith, Cam Campbell, and Rob Teis visit before dinner.



Steve Corbin visits with Paul Mannas and Jim Mitchell.

2006/2007 Programs

Date	Technical Session	Speaker	Main Program	Speaker	Theme and Special Guests
14-Sept-06	Golf Tournament at Clary Fields Golf Course				
12-Oct-06	Cooling Tower Design & relationship to ASHRAE 90.1	Dick LeClaire; Marley	Radiant Heating Systems	Keith Whitworth; Watts	Membership Night; Refrigeration Night
9-Nov-06	Boiler System Design	Dave Farthing; Federal Corporation	Dearator & Boiler System Design	Dave Farthing; Federal Corporation	Research and Consulting Engineers Night; Art Geisler, Region VIII DRC
14-Dec-06	NONE - Lunch Meeting		Construction Scheduling and Sequencing	Panel of Industry Representatives	Joint meeting with AIA, MCA, ABC
11-Jan-07	Retro-commissioning Buildings for Improved Energy Efficiency"	Tom Hanlon	Pre-packaged Mechanical Room Systems	Chris Huston; Systecon	Membership Promotion Night
9-Feb-07	NONE		Tulsa's Oil History	Dewey Bartlett, Keener Oil and Gas	Research Auction; Spouses Night
8-Mar-07	Closed-loop Water Treatment	Mike Gulizio; Certified Labs	Airflow and AHU Design	Jeff Forman; Temtrol	Student Activities, Past Presidents, & Golden Circle Night
5-April-07	NONE		Plant Tour Electronic Data Systems Cherokee Center		Plant Tour
18-April-07	NONE		ASHRAE Satellite Broadcast - IAQ	ASHRAE Panel	Satellite Broadcast @ OSU-Tulsa
11-May-06	Proper Application of Valves	Mark Caeser; Crane	Green Design and Sustainability-Indefinable Success in a Defined World	Mitchell Swan, PE	Awards Night; Installation of Officers

The Oil Capital Air

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

Visit our website at
www.ashrae-neok.org

Chapter Volunteers

Officers:

		Voice	Fax
President	Dave Lam	250-5590	459-0997
President-Elect	Nancy Mack	615-1430	615-1435
Secretary	Dan Owens	250-1414	254-1444
Treasurer	Dan Owens	250-1414	254-1444

Board of Governors

Robert Allwein		770-5380	
Bill Hanlon		622-1500	835-9992
Mike Beda		664-0312	665-3351
Mike Gulizio		455-1712	451-1596
Steve Uerling		836-0271	836-0275

Committee Chairs

CRC Delegate	Steve Johnson	270-1414	270-1444
CRC Alternate	Joel Karstetter	665-3974	666-4219

Committee Chairs (cont.)

Attendance	Scott Pollard	250-5590	459-0997
Directory	Bill Hanlon	622-1500	627-7004
Historian	Bob Allwein	770-5380	
Honors & Awards	Gene L. Redford	834-7000	
Invocations	Paul Roberts	665-6600	627-7004
Membership	Chuck Mayfield	624-1005	624-1006
Newsletter	Nancy Mack	615-1430	615-1435
Technology Transfer	Brian Hamilton	858-0060	858-0061
Programs (Main)	Brian Hamilton	858-0060	858-0061
Programs (Tech)	Keith Browne	258-7460	258-7460
Publicity	Chad Marazas	250-5522	250-5419
Reception	Scott Tucker	258-4059	459-0997
Refrigeration	Mike Guillen	664-0312	665-3351
Resource Promotion	Rob Teis	382-6134	382-6295
Special Events	Jerry Beardslee	587-4747	587-8008
Student Activities	Sam Davis	249-1918	249-9014
TEGA	Jeff Ferguson	877-6000	877-4000
Webmaster	Paul Mannas	664-0312	665-3351

Calendar of Events

Important Dates

August 17, 2006	Board of Governors
September 14, 2006	Chapter Golf Tourney
September 21, 2006	Board of Governors
October 12, 2006	Chapter
October 19, 2006	Board of Governors
November 9, 2006	Chapter
November 28, 2006	Board of Governors
December 14, 2006	Chapter
December 21, 2006	Board of Governors
January 11, 2007	Chapter
January 18, 2007	Board of Governors
January 27-31, 2006	ASHRAE Winter Meeting
February 8, 2007	Chapter
February 15, 2007	Board of Governors
March 8, 2007	Chapter
March 15, 2007	Board of Governors
April 5, 2007	Chapter
April 13-15, 2007	CRC
April 19, 2007	Board of Governors
May 10, 2007	Chapter
May 17, 2007	Board of Governors
June 23-27, 2005	Annual Meeting

Meeting

Location

Siemens
Clary Fields Golf Club
ABS
Renaissance Hotel
ABS
Renaissance Hotel
ABS
Renaissance Hotel
ABS
Renaissance Hotel
ABS
Dallas, TX
Renaissance Hotel
ABS
Renaissance Hotel
ABS
Plant Tour
Oklahoma City, OK
ABS
Renaissance Hotel
ABS
Long Beach, CA