

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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Tulsa, Oklahoma

February 2005

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FEBRUARY IS SPOUSES' NIGHT

President's Message By: Steve Johnson



Steve Johnson
Chapter
President

please give them a pat on the back. They are doing a wonderful job ensuring each Chapter member gets value from their participation. The January program was a great example of how the variety of program topics can provide useful information that we can apply to our daily business activities. Steve Metcalf did a great job in educating us on proper document control and the legal ramifications.

Plan to come and enjoy the evening. Last year's auction was a great success and we are hoping that this year will build on that foundation. John Jamison with Manhattan Construction will present a very interesting Power Point show on the construction of the Dome over our State Capitol. If you love history and architecture, you will be fascinated with how this project was accomplished.

We have turned the corner in the current ASHRAE year and are heading into the final stretch. I want to thank all of the volunteers for the countless hours they have invested on behalf of our Chapter and the Region. When you see a Board member or Committee Chair

Now that the Holiday season is over and all the bills are paid (yea right), it's time to loosen the wallet a bit and set your sights on the February Resource Promotion Auction. Brian Hamilton and his committee have a good variety of items in hand and could always use a few more items if you have not donated yet.

The nominating committee and incoming President Joel Karstetter, are presently lining up the officers and committee chairs for the next Chapter year. Please seriously consider participating if you are asked. If you would like to volunteer do not hesitate to call Joel or Paul Roberts. I

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UPCOMING EVENTS

- *Chapter Meeting February 10, 2005 Marriott Southern Hills*
- *5:30 Research Auction*
- *6:00 Hospitality*
- *6:30 Dinner and ASHRAE Business*
- *7:00 Evening Program Capitol Dome Builders*
- *Board of Governors Meeting February 17, 2005 Power of Oklahoma*

SPOUSES' NIGHT
Thursday, February 10, 2005
Southern Hills Marriott

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can assure you they will be very pleased to hear from you. I can think of no more rewarding experience that I have had professionally, than serving this Chapter. The opportunity to grow professionally and build relationships is extremely gratifying and I would encourage anyone to give it a shot. You will not regret the experience.

It's time to plan your trip to the CRC in San Antonio in April 2005. The Crown Plaza on the River Walk will host CRC meetings from April 14 to 16th. Book your rooms early due to the Festival that is going on in downtown San Antonio at that time.

I look forward to seeing you February 10th at the Marriot Southern Hills.

* Steve Johnson can be reached at 270-1414 or johnson.s@mcintoshservices.com

Chapter Technology Transfer

By: Nancy Mack

February Meeting Preview

February meetings are a special time for the Northeastern Oklahoma Ashrae chapter. It is spouses' night and that means a special night for the programs committee. Immediately following our Second Annual Research Auction, we will enjoy a presentation by John Jamison of Manhattan Construction Company. John will share the interesting story of the Oklahoma State Capitol Dome Project. This project was a joint

venture called the "Capitol Dome Builders". These Capitol Dome Builders began construction of the 155-foot dome in April 2001 and completed it by Statehood Day, November 16, 2002. The original design and construction of the Capitol incorporated the necessary foundations to support the dome even though the dome was not built at the time. Please join us as John leads us through this fascinating journey.

For Your Information:

The Northeastern Oklahoma Chapter of Ashrae has a rich history in Chapter Programs. The Programs committee strives to book speakers that will present informative and relevant information to our membership. It is common knowledge that these presentations should be free of all commercialism. We greatly appreciate all companies and individuals that contribute to our programs, but it is sometimes necessary to review the policies that ASHRAE society has set for those that do make presentations to our local chapter.

Commercialism in ASHRAE presentations is strictly prohibited. *Commercialism* is deemed to be the inclusion of visual, written, or verbal references to any organization for the promotion or commercial advantage of that organization or the commercial disadvantage of a competing organization. This includes references to companies, universities, consulting firms, contracting agencies, research agencies, government agencies, and government-sponsored agencies; Inclusions of

trade names, names of software, logos or other readily recognized identifiers. Ashrae also prohibits any inference that they approve or endorse any product, software or system for any reason, even if the item complies with an ASHRAE standard.

A presenter is unlimited in what can appear on the first slide of his presentation. This slide can include the name of presenter, their affiliation, companies, supporting organizations, sponsoring technical committee, and corporate logo. Beyond the first slide, keep names generic and be sure to review your slides prior to presenting them.

ASHRAE has not set this standard to limit programs, just to enforce the rules of Society and to maintain a high standard for all presentations. If you have questions regarding your presentation, contact the program committee chair for a list of guidelines.



Mr. Metcalf

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January Meeting Review

Last month's main speaker was Steven Metcalf of Doerner, Saunders, Daniel, and Anderson, L.L.P. Steve spoke to us about the Discovery and Management of Construction Documents in litigation. Since Mr. Metcalf had several years of experience in the construction industry before he earned his law degree, he was well qualified to lead us in this discussion. The presentation was highly informative and useful.

Since the construction industry tends to have more documentation than most, it is a challenge for lawyers to navigate. Steve laid out a set of basic guidelines for companies to adopt when it comes to record retention. Some of those guidelines include: Identifying all relevant documents (paper and electronic); establishing a standard filing system for all documentation; establishing a time period for files to remain active or inactive; establishing a timeline, system, and method of destruction of each kind of document or record; investing in software that truly "erases" deleted electronic data, and developing a procedure for making sure there is compliance with the retention and destruction program. According to Steve, the number of companies with poor filing practices is staggering. His guidelines are a basic and common sense way to help companies start to protect themselves in these litigious times. Based on the presentation reviews of our members, this was a very well-received program. I would especially like to thank Jack Kurlle for securing Steve as our program speaker.

If you would like copies of Mr. Metcalf's presentation notes, contact Nancy Mack.

Nancy Mack can be reached at 491-6600 or nmack@tulsacoxmail.com



Jack Kurlle

History

By: Mike Thompson

ASHRAE was formed by the merger of two societies, American Society of Heating and Ventilating Engineers (ASHVE), known after 1954 as American Society of Heating and Air Conditioning Engineers (ASHAE) and the American Society of Refrigerating Engineers (ASRE). The two merged in 1959.

In 1954 ASRE mailed proxy ballots to its membership proposing to add Air Conditioning to its name, but too few votes (both pro and con) were received and the proposal was dropped.

Consolidation of the two societies had been considered as early as the 1920s. A plan for consolidation had been defeated in 1937 and in 1941. By 1954, with talk of overlapping interests greater than ever before, it was clear to the leaders of both societies that closer coopera-

tion was required. In 1956 two ASHAE regions put forward suggestions for merger. By 1958 about 1,000 people belonged to both ASHAE and to ARE. ASHAE's membership total was 11,700 and ASRE's was 7,000. In June 1958 the councils of each society approved the Proposed Merger Plan drafted by the Committee on Cooperation. At a special meeting held in Chicago on December 1, 1958, ASHAE members overwhelmingly approved the plan by a vote 5,307 in favor and 405 against. ASRE's vote was held at the opening session of its Annual Meeting in New Orleans on December 1, 1958 and was approved by ASRE's members, by a vote of 3,516 in favor and 1,293 against.

On the morning of January 29, 1959, the needed documents were filed in the office of the Secretary of State in Albany, New York. Operation of ASHRAE began with a meeting of its executive committee in Philadelphia on January 29, 1959.

Our own chapter of ASHRAE, the Northeastern Oklahoma Chapter number 069, was chartered as an ASHVE Society on October 2, 1948. Since that time the chapter has shown a steady growth in membership. The chapter currently has approximately 225 members and has earned the Presidential award since its inception. The chapter has been recognized with numerous awards, including being ranked number one in Society in final PAOE point standings for the 1986/1987 year, number two in 1999/2000 year, number five in 1992/1993 year, and number six in 1998/1999 year. Six of the chapters Presidents have received the prestigious Golden Gavel Award. There are still three charter mem-

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bers who are still members. There are twenty-eight Life Members or Life Associate Members. Jack Tumilty has earned the Distinguished Fellow Award and David Knebel has earned the Fellow Award, four people have the Distinguished Service Award, six people have the Regional Award of Merit and Jack Tumilty has been awarded the Distinguished Fifty Year Member Award.

Mike Thompson can be reached at 270-1414 or thompson.m@mcintoshservices.com



Ron Vallort, P.E.
ASHRAE President

Editor's Corner

By: Joel Karstetter

Friday, January 28th, the NE Oklahoma and Central Oklahoma Chapters had a joint ASHRAE meeting in Oklahoma City. Mr. Ron Vallort, Society ASHRAE president was in attendance and presented an interesting talk. As

ASHRAE's president, Mr. Vallort directs the Society's Board of Directors and oversees the Executive Committee. During his term, Mr. Vallort is emphasizing the widespread benefits of refrigeration as the technology for survival and ASHRAE as the strongest link in the cold chain. Mr. Vallort has said, "We need to advance the technology of refrigeration to enable all the people of the world to enjoy its benefits and this refrigeration should be more economical and foolproof to construct and operate, while still being friendly to the earth."

Several members of the NE Oklahoma Chapter attended the meeting despite blizzard conditions.

Thursday, February 3rd, the resource promotion committee held the first, and hopefully annual, Texas Holdum Poker Tournament to raise money for ASHRAE research. Everyone had a great time, especially "Money Bags Ray Gomez". The tournament was held at DS Herron Company. Approximately 15 people attended and over \$400.00 was raised for research. Don't miss it next year. It's the most fun I have ever had giving money to ASHRAE.

Joel Karstetter can be reached at 665-3974 or jkarstetter@abscompanies.com

Membership Promotion

By: Michael Base

It is official, Tim Sheehan with Cyntergy is now a member of ASHRAE. In addition, I have forwarded a membership application from Duane Harman with Sparks

to Society for approval. Please welcome these new members.

Congratulations go out to Jeff Ferguson for being Tim's sponsor and to Richard Godfrey for being Duane's sponsor. The membership drive race is very close this year and anyone could win. It is not too late to get involved and walk away with one of the top places. Please let me know if you need membership applications, or additional information about recruiting new members.

Please contact me for additional information or applications.

Michael Base can be reached at 836-0271 or lbce@swbell.net



Mr. Green and Mr. Gulizio

Student Activities

By: Scott Pollard

National Engineering Week is February 20-26th this year. The 2005 Student Competition project is now available online from the student zone of www.ashrae.org. The deadline for submissions to our local chapter is May 9th.

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We still have been unable to locate a facility member at OSU-Tulsa that would be interested in helping establish a chapter there. If you have any contacts that you believe might be useful, please let me know.

If you have anyone that is interested in applying for the chapter scholarships that we offer, please contact me to get an application.

Scott Pollard can be reached at 250-5590 or scott.pollard@omni-2.com

Resource Promotion

By: Brian Hamilton

February's meeting is our 2nd Annual ASHRAE Auction. We have about 8 items committed for donation and need at least 15 total items to have a successful auction. If you plan on donating an item and have not contacted me yet please do so (I'll sleep better) by phone or e-mail. CRC is earlier than ever this year and our goal is an all time high of \$41,673.00. RP committee members will begin calling for individual contributions as well as business contributions, please keep in mind our high goal and dig deep.

I wanted to give a special thank you to Rob Dickson and Dustin Herron with D.S. Herron Co. They hosted a poker tournament February 3rd with all proceeds going towards ASHRAE Research. They and their manufactures donated all award items.

Keep in mind that this year we are renting booths at ASHRAE meetings. You may sign up for a booth rental at our next meeting or if you would like to rent a booth for the February meeting please contact me.

Brian Hamilton can be reached at (918) 664-9756 or bhamilton@2boonesales.com



Jeff Tipling

Refrigeration

By: Chuck Mayfield

One month of 2005 has already vanished. That means we are one month closer to the Refrigeration Tour. On April 7th we will tour a local factory instead of meeting at the Southern Hills Marriott. The Refrigeration Committee is still hard at work narrowing the list down, talking with a few facilities, and checking all the details. Once all of the facts are finalized we will publish the specifics. Please remember to put April 7th on your calendar and join us for our 2005 Refrigeration Tour.

Chuck Mayfield can be reached at 624-1005 or Cmayfield@eei-ok.com

January BOG Minutes

By: Dave Lam

Attendees: Steve Johnson, Joel Karstetter, Mary Bowers, Mike Base, Darren Stephens, Gene Redford, Chuck Mayfield, David

Lam, Bill Hanlon, Paul Mannas, Paul Roberts, Pam Dunlap, Bob Allwein, Scott Pollard, and Jack Tumilty.

The Board of Governors meeting was held on January 20, 2005 at Powers of Oklahoma. President Steve Johnson called the meeting to order at 4:35 p.m.

Minutes: The meeting minutes were distributed prior to the BOG meeting. Corrections were collected and will be used to amend the meeting minutes. Mary Bowers moved to accept the amended meeting minutes and Paul Roberts seconded.

Treasurer: Pam Dunlap reported that there were a few addition errors in her report so she will redo it and e-mail it out to the board. The final count for the December meeting was 102 in attendance with 29 guests.

Newsletter: Joel Karstetter would like articles turned in by February 1, 2005.

Resource Promotion: Brian Hamilton reported that some invoices have been delivered. We had one vendor at the last meeting so we have collected \$850 for vendor displays to date. The flyer for the auction was in last month's newsletter. He has received some donations for the auction, but more are needed. Brian has contacted MCAA about their Golden Circle donation for this year and they are on board. AAON will be his next visit. The poker tournament will be held February 3, 2005, so those interested look for the e-mail announcement.

Membership Promotion: Mike Base reported that we have 2 re-

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instated members: David Seewald and Tim Sheehan. We have 8 new members to date and 3 canceled members. The delinquency list is in error so he will be looking for an update.

CTT: Steve Johnson reported for Nancy Mack. The March student presentations projects are not ASHRAE related but they are interested in presenting. The February meeting will be on the construction of the capitol dome. Steve will attempt to start the meeting earlier in order to get started with the auction. April plant tour feelers are out.

Student Activities: Scott Pollard will stop trying to get something started at OSU-Tulsa, since no one is responding. TU and OSU-Okmulgee do not have regularly scheduled meetings but he is attempting to see what they have planned for National Engineering week. Scott is beginning the process to see who should get scholarship applications, or if we should offer them this year.

Refrigeration: Chuck reported that March will be refrigeration night along with past presidents night. We may also have a directory class that evening as a tech session.

Directory: Bill Hanlon reported that the link to vendors from product section has been updated and should be working. Bugs are starting to appear and Bill is working

on them as soon as they are brought to his attention. The e-directory is still not being used as hoped. We may try to have a tech session directed at directory usage.

Reception: Darren is working with Pam to get the attendance verification sheets prior to the meetings.

Publicity: Mike Gulizio continues to provide information to the Tulsa World when appropriate.

Website: Paul Mannas has purchased a version of Front Page 2003 as authorized by the board.

CRC Action: Bob Allwein distributed up to date PAOE point totals. We look to be in good shape and have reached PAR in 2 categories.

Nominating Committee: Paul Roberts is looking for potential regional candidates. If anyone is interested please let Paul know. Looking for local, candidates to fill next years chair position also.

Old Business: Steve Johnson is going to have a committee meeting on January 26, 2005 to look at potential chapter meeting site locations. Steve and Joel have scheduled a breakfast meeting with the Marriott to determine the feasibility of staying.

New Business: Steve Johnson reported the OKC chapter meeting trip is January 28, 2005 at noon. Looking for volunteers to attend. Also, there are a few framed ASHRAE awards at the offices of Airetech that we are going to look into moving to the Powers conference room.

ASHRAE News

Buildings Become Information Systems

CAMBRIDGE, Mass.—In response to the demands of energy efficiency, security, lower operating costs and the need to increase space-planning flexibility, information systems are becoming more closely integrated with building systems, according to an article in ComputerWorld. Building systems, which used to be managed only by HVAC engineers and security services, are becoming just one more information system. As buildings become more automated, formerly disparate components, including HVAC, LANs, security systems and signage will become interoperable with one another and with other information systems traditionally considered outside of the building systems.



2005 REGION VIII CRC

April 14, 15 & 16, 2005 on the San Antonio Riverwalk.

Crown Plaza Riverwalk Hotel
111 East Pecan Street
San Antonio, TX 78205

Reservations: 210-354-2800 (Reference ASHRAE)

April 14 - Golf at the Quarry, Skeet at Olmos Basin, Welcome Party at the Buckhorn Saloon

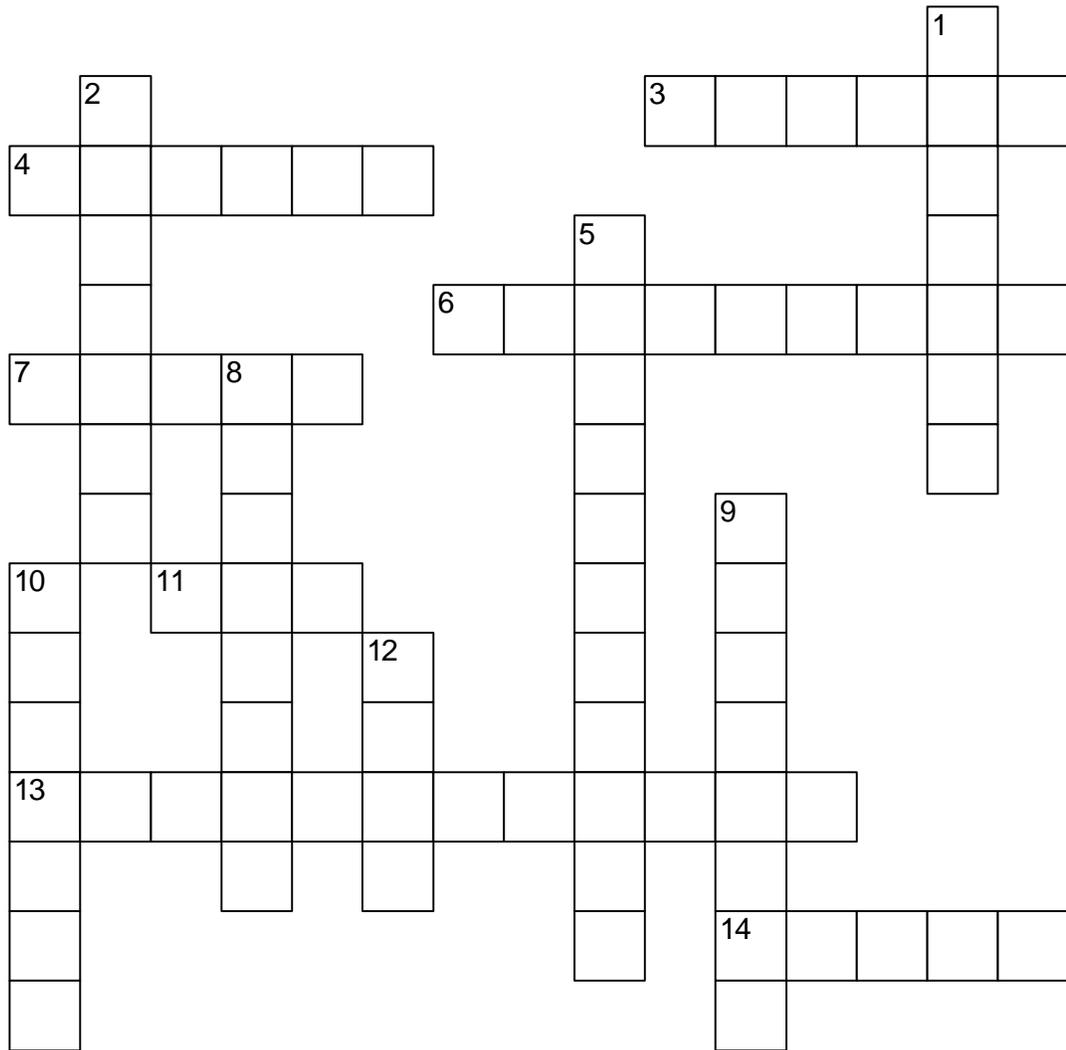
April 15 - Region VIII Business Meeting, Presidents Luncheon, Afternoon Technical Sessions & Special Friday Night Dinner Party at the Mexican Market

April 16 - Morning Workshops, Technical Sessions, Award Luncheon, General Business Session & CRC Executive Session

Fiesta San Antonio begins on Sunday April 17th with the Oyster Bake, River Parade Monday Evening and all week a downtown celebration for those that wish to party.



OIL CAPITAL AIR PUZZLE



www.CrosswordWeaver.com

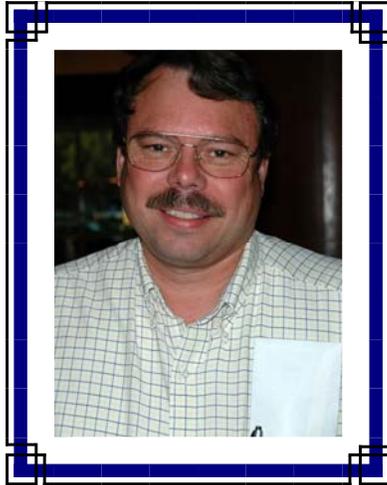
Across

- 3 New member that works for Sparks
- 4 What you should do with your entry in the electronic directory
- 6 Part of a solar energy system
- 7 _____ merged with ASRE to become ASHRAE
- 11 _____ to _____ heat pumps
- 13 used to reject heat into the atmosphere (2 words)
- 14 "Money Bags" winner of the Texas Holdum, pictured previous page

Down

- 1 President of ASHRAE
- 2 February is _____ night
- 5 Drift _____ are found on cooling towers
- 8 Primary _____ flow chilled water systems
- 9 New member Tim Sheehan works for _____
- 10 Last month's program speaker
- 12 centrifugal and axial _____

NEW MEMBER GALLERY



Monte Harnar
Warren



Greg Mitchell
Ferguson Enterprises



Mike Guillen
Process Equipment

Additional New Members
Pictures to follow next month

- David Miller with Mechanical Reps., Inc.
- Eric Gonzalez with TAC
- Wayne Arnold with Anvil International
- Justyn Jeske with MPW Engineering
- Tim Sheehan with Cyntergy
- Duane Harman with Sparks



ASHRAE... Advancing
Technology for a Better Environment

SATELLITE BROADCAST/WEBCAST: MOLD IN OUR BUILDING ENVIRONMENT

Wednesday, April 13, 2005

1:00 p.m. – 4:00 p.m. Eastern Standard Time

Concerns about mold in the building environment are no longer limited to just humid environments or North America. Mold is now a global concern for designers, contractors, building owners/operators and building occupants. Information on how to properly control moisture and humidity conditions in order to minimize mold will be presented in this broadcast/webcast sponsored by ASHRAE's Chapter Technology Transfer Committee (CTTC).

How to Participate

- Attend the Broadcast provided by NEO ASHRAE Chapter (location to be determined)
- You may host a Satellite Broadcast site for your colleagues
- You may register to view the Broadcast at a site
- Or, you may register to view the Webcast on your PC

About the Presenters

Presenters will explore prevention of mold in new construction, methods for monitoring mold in indoor environments, detection of biological contaminants, solutions to prevent and/or alleviate mold problems and the legal issues relating to mold contamination.

PDH Credits

Earn 2 PDHs or 2 AIA Learning Units for viewing the Broadcast at a Site or the Webcast from your office.

For More Information

Call Nancy Mack at 491-6600

2004/2005 Programs

Date	Technical Session	Speaker	Main Program	Speaker	Theme and Special Guests
9-Sep-04	Golf Tournament at Clary Fields Golf Course				
14-Oct-04	Applications of radiant heat in commercial and industrial applications	Scott Fleet; ReverberRay	Ethics and the Economics of Energy Conservation	William Coad, P.E. Coad Engineering Enterprises	Membership Night; Hugh McMillan, Region VIII DRC
11-Nov-04	Fan Applications	Jack Peters; Cook Fans	Proper VFD Applications	Brent Fullerton; Cook Fans	Research Promotion Night
9-Dec-04	NONE - Lunch Meeting		Construction HVAC Panel Discussion	Panel of Industry Representatives	Joint meeting with BOMA, MCA, ABC
13-Jan-05	Modulating compressors	AAON representative	IAQ Litigation	Edward Smith; Esquire	Refrigeration Night
28-Jan-05	NONE		Special Presidential Visit, in OKC	Ron Vallort, ASHRAE Society President	
10-Feb-05	Research Auction		Capital Dome Project		Research and Spouses Night
10-Mar-05	Dehumidification	Dave Knebel; AAON	Student Presentations	College Students	Student Activities; Past Presidents;
7-Apr-05	NONE		Plant Tour (Bama or Blue Bell?)		Tour
12-May-05	Radiant Heating	Missouri Heat Representative	Surgical Air Distribution	Leon Kloostera; Titus	Healthcare Facilities

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	Steve Johnson	270-1414	270-1414
President-Elect	Joel Karstetter	665-3974	665-4219
Secretary	David Lam	747-5328	459-0997
Treasurer	Pam Dunlap	587-4747	587-8008

Board of Governors

Mary Bowers		665-6600	627-7004
Bill Hanlon		622-1500	835-9992
Ron Huntley		663-7883	663-7961
Nancy Mack		491-6600	491-6985
Steve Uerling		836-0271	836-0275

Committee Chairs

CRC Delegate	Bob Allwein	831-8383	831-8320
CRC Alternate	Cary Pestel	664-9756	664-1675

Committee Chairs (cont.)

Attendance	Jim Waldroop	250-5590	459-0997
Directory	Bill Hanlon	622-1500	835-9992
Historian	Mike Thompson	270-1414	270-1444
Honors & Awards	Gene L. Redford	622-0600	622-0618
Invocations	Paul Roberts	665-6600	627-7004
Membership	Michael Base	836-0271	836-0275
Newsletter	Joel Karstetter	665-3974	665-4219
Programs (Main)	Nancy Mack	877-6000	877-4000
Programs (Tech)	David King	582-0229	599-0665
Publicity	Mike Gulizio	455-1712	
Reception	Darren Stephens	622-4822	
Refrigeration	Chuck Mayfield	624-1005	624-1006
Resource Promotion	Brian Hamilton	664-9756	664-1675
Special Events	Jerry Beardslee	587-4747	587-8008
Student Activities	Scott Pollard	250-5590	459-0997
Technology Transfer	Nancy Mack	491-6600	491-6985
TEGA	David King	582-0229	599-0665
Webmaster	Paul Mannas	664-0312	665-3351

Calendar of Events

Important Dates

June 17, 2004.....	Board of Governors
July 15, 2004.....	Board of Governors
August 19, 2004 .	Board of Governors
September 9, 2004.....	Chapter/Golf Tourney
September 16, 2004.....	Board of Governors
October 14, 2004..	Chapter
October 14, 2004..	Board of Governors
November 11, 2004.....	Chapter
November 18, 2004.....	Board of Governors
December 9, 2004.....	Chapter
December 16, 2004.....	Board of Governors
January 13, 2005..	Chapter
January 20, 2005..	Board of Governors
February 5-9, 2005.....	ASHRAE Winter Meeting
February 10, 2005.....	Chapter
February 17, 2005.....	Board of Governors
March 10, 2005.....	Chapter
March 17, 2005.....	Board of Governors
April 7, 2005.....	Chapter
April 14-16, 2005..	CRC
April 21, 2005.....	Board of Governors
May 12, 2005.....	Chapter
May 19, 2005.....	Board of Governors
June 26-30, 2005..	Annual Meeting

Location

Powers of Oklahoma
Powers of Oklahoma
Powers of Oklahoma
Clary Fields Golf Club
Powers of Oklahoma
Marriott Southern Hills
Marriott Southern Hills
Marriott Southern Hills
Powers of Oklahoma
Marriott Southern Hills
Powers of Oklahoma
Powers of Oklahoma
Orlando, FL
Marriott Southern Hills
Powers of Oklahoma
Marriott Southern Hills
Powers of Oklahoma
Plant Tour
San Antonio, TX
Powers of Oklahoma
Marriott Southern Hills
Powers of Oklahoma
Nashville, TN