

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 9

Tulsa, Oklahoma

April 2009

Special Points of Interest

- President's Message
- Chapter Technology
- Research Promotion
- History
- BOG Meeting Minutes
- Meeting Minutes
- 2009/2010 Ballot
- Spring Golf Entry Form
- Satellite Broadcast
- CRC Lubbock
- Programs Calendar
- List of Volunteers
- Calendar of Events

Plant Tour



Dan Owens
Chapter President

President's Message

By: Dan Owens

Plant [plant] – Verb: put something into ground to grow: to put something such as a seed, plant, or tuber into the ground to enable it to grow

Or

Plant [plant] – Noun:: the land, buildings, machinery, apparatus, and fixtures employed in carrying on a trade or an industrial business

So last month President's Article was about planting seeds (Verb). Well this month we are going to stay on the plant

theme, but a different definition; The PLANT tour. (Noun).

Thanks to Robert Schatz, this year's plant tour will be another great one. We plan to tour the Helmerich Advanced Technology Research Center at OSU – Tulsa. Dr. Lorenzo Cremaschi has two HVAC research projects on the OSU-Tulsa campus and at least one research project on the Stillwater campus. The meeting and dinner will be at the Spaghetti Warehouse following the tour. At the meeting we will be honoring our scholarship awards winners and also collect the ballots for officer elections.

ASHRAE's Satellite Broadcast is scheduled for 12:00 – 3:00, April 22nd in the training room at Air Assurance in Broken Arrow. So I want to say a thank you in advance to ASHRAE member Mike Guillen, and to Mike and Narissa Ramey, owners of Air Assurance, for allowing us to use their facilities. This year's topic is "Clean, Lean, and Green: IAQ for Sustainable Buildings," For more information keep reading! An EVITE will also be issued later in the month so that you can RSVP.

April is also Chapters Regional Conference (CRC) month. This year's CRC is in Lubbock, Texas. For those of you who have never been, a CRC is the regional officer training meeting, regional business meeting and regional education

(Continued on page 2)

UPCOMING EVENTS

April 9th - Chapter Meeting at OSU Tulsa—ATRC

5:30 Plant Tour Starts

6:30 Plant Tour Ends

6:45 Meeting & Dinner at Spaghetti Warehouse 221 E. Brady

April 16th - Board of Governors Meeting at Joe's Crab Shack (4:30 pm)



Golden
Gavel
Winner

APRIL CHAPTER MEETING

Thursday, April 9th, 2009

Plant Tour of the Advance Technology Research Center @ OSU Tulsa

(Continued from page 1)

meeting. Friday's technical program is on "Maintain to Sustain." This program will help us keep plants efficient. CRC is a great opportunity to spend time with your ASHRAE peers from the NEOK Chapter and from the rest of Region VIII. It is also a time that many of our committee heads and officers pick up Society and Regional awards. So if you have not made reservations, I encourage you to do so.

And one last thing before I close, we have had a problem with RSVPs. We have a lot of members that RSVP and do not show, but even more members that attend meetings that do not RSVP or RSVP late. We have to turn in numbers to meeting locations so that they can order food, schedule staff and set up the room. We had 36 people RSVP on time for last month's meeting and had 60 at the meeting. So please make sure that you RSVP by the date on the EVITE. It makes for a smoother meeting.

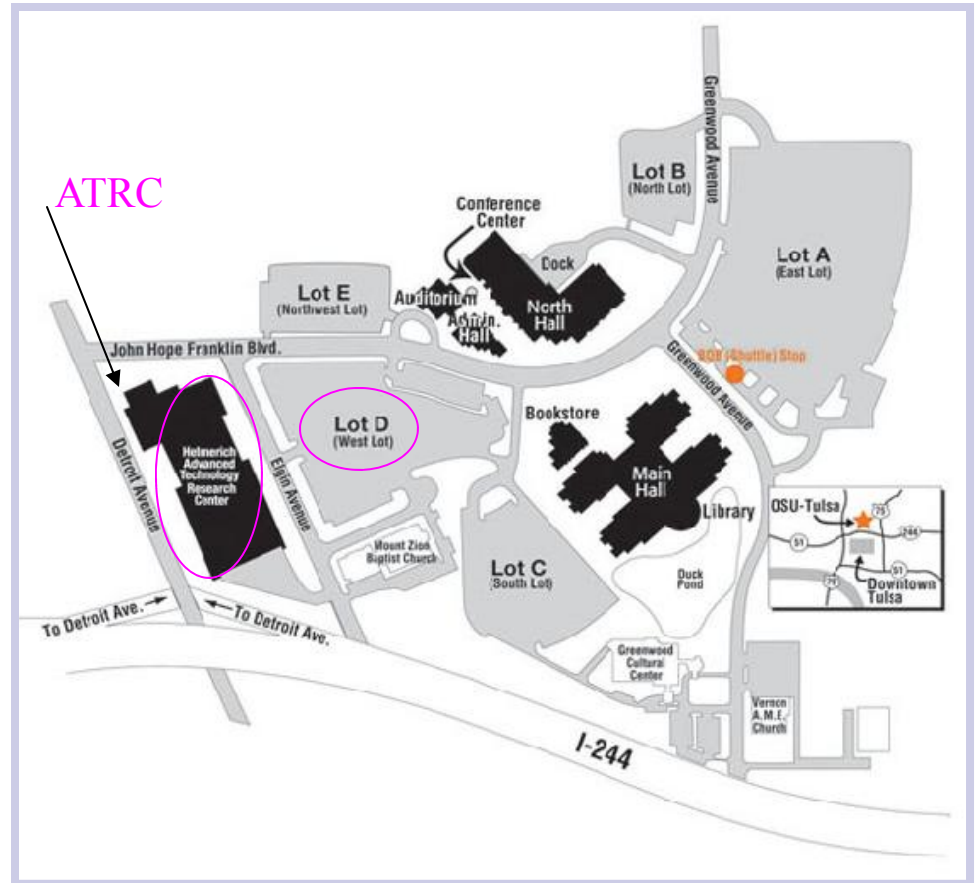
"The factory of the future will have only two employees, a man and a dog. The man will be there to feed the dog. The dog will be there to keep the man from touching the equipment."
-Warren G. Bennis

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 welcomed Jerry Sos-samon to speak with us about saving energy in steam systems.

April is building tour month. Please join us for a tour of the Helmerich Advanced Technology Research Center



on OSU's Tulsa campus. We will be given an overview of the research capabilities at this facility. This facility was designed by our own Phillips & Bacon, Inc., Consulting Engineers. OSU is currently conducting two ASHRAE funded research projects in this facility. This will be a unique opportunity to see first hand where some of our research contributions go.

The tour will be conducted by Dr. Kenneth Ede, who formerly managed many service and engineering departments at the American Airlines maintenance terminal in Tulsa, and also has instructed graduate courses for many years at OSU-Tulsa.

The Helmerich Advanced Technology Research Center building is on the West side of campus parking lot D, along Elgin Avenue. You may park in any unmarked space in lot D. We will meet in the HATRC lobby at the head

of the outside steps. If you desire an alternate to using steps please circle the building to the right and enter on the ground floor, North side of the HATRC building, and proceed straight ahead to the lobby.

The tour will begin at 5:30 pm sharp. Please try to be 10 minutes early so that we can assemble and start the tour on time.

Please RSVP early for the meeting. Thanks

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. Central Time. See attached flyer for additional details. Please take this opportunity to earn PDH credits while supporting ASHRAE research.

(Continued on page 3)

(Continued from page 2)

The PDH sign sheet from December's lunch meeting, regarding LEED buildings, has been misplaced. If you attended and need a PDH certificate, please email me.

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

Research Promotion

By: Chad Smith

Last month was a big month in our annual research fund drive. Golden Circle contributors must make a minimum donation of \$ 10,000.00 to ASHRAE research. Our chapter is fortunate to have not one, but two Golden Circle donors. At last month's chapter meeting, both member companies presented their donations to the Chapter.

AAON, Inc. is one of our industry's leaders in packaged heating and cooling equipment with respect to efficiency and leading technology. They have been a Golden Circle contributor since 2001. Not only is AAON a faith-



Dave Knebel (left), AAON, presenting RP contribution to Dan Owens.

ful giver to ASHRAE, but they are also a strong supporter of the Tulsa community and other local events. Dave Knebel, Vice-President of Sales and Mar-

keting of AAON, presented Dan Owens with a check for \$10,000.00.

The Tulsa chapter of The Mechanical Contractors Association of America (MCAA) has also been a Golden Circle contributor to ASHRAE over the past 5 years and has supported ASHRAE research for decades before. MCAA of Eastern Oklahoma is a union affiliated contracting group that represents the signatory contractors with UA Local Union 430. In addition to being trustees on the Health and Welfare Fund, Annuity Fund and Apprenticeship School and participating in all negotiations with UA 430, the MCAA of Eastern Oklahoma is also responsible for the administration of the Mechanical Contractors Industry Promotion Fund. It is the Industry Promotion Fund that has donated \$10,000 to become a Golden Circle Contributor.

MCAA of Eastern Oklahoma Contributing Members:

Affordable Plumbing
APEX Plumbing
CYLX Corporation
McIntosh Services, Inc.
Palmer Mechanical
Shoemaker Air Conditioning
Soder Mechanical
Streamside Services, Inc.

Mr. Rick Shoemaker of Forrest Shoemaker A/C, this year's president, presented Dan Owens with a check for \$10,000.00.

On behalf of the entire Northeastern Oklahoma Chapter and Society as a whole, I would like to express our sincere appreciation to both of these organizations for their continued support of ASHRAE research.

We are beginning to near the home stretch for our fund raising campaign. The Research Promotion calling committee will be contacting all members who have not yet donated this year. We are trying to collect all of our dona-



Rick Shoemaker (rt), MCAA President, presenting RP contribution to Dan Owens

tions before CRC in late April. Because of this, we ask that you send your checks to Chad Smith at the address below. If you need someone to pick up a check, please let us know.

The easiest way to donate is online at https://www.ashrae.org/aboutus/resource_promotion.asp. If you donate online, please send an e-mail to me at chad@airetechcorp.com letting me know you have contributed, so that we can include that on our report at CRC. If you have any questions about research please feel free to contact Chad Smith at 918-665-6600.

Checks should be made out to "ASHRAE Research" and mailed to:

Chad Smith @ Airetech Corp
7636 E. 46th Place
Tulsa, OK 74145

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

The 2009/2010 Officers and BOG Ballot is included in the newsletter. Please complete then send to Paul Roberts. Thanks

(Continued on page 4)

(Continued from page 3)

History

By: Gene Redford

While researching for this month's history article I began to remember the history of our chapter over the last 40 years. I became a member of this chapter in January 1968.

I started attending meetings around 1966 and remember our chapter meeting attendance was around 25 to 30 each month. Our chapter membership in 1966 was 54 members. Chapter meetings were held between the Black Gold and Powers Restaurants. If you remember, this is when Oklahoma was dry, so we had a special committee who was the refreshment committee taking charge of our own bar; one cannot do that today. We would bring in our own liquor and bartender (one of our members) and buy the setups and ice from the restaurant and charge our members by the drink.

We had our annual dinner dance that year, in May, at the Cup Club (later became Candlewood) and another dinner party in June with spouses at the Harvard Club.

The chapter officers in 1966 were President Bob Swain, VP Jim Palmer, Secretary Bob Scruggs and Treasurer Jack Evans, and our chapter dues were \$5.00/ year. The chapter's annual April field trip that year was in Muskogee, OK, touring Acme Fan Company. In 1967 the chapter had to increase the chapter dues to \$7.50/year. This was also the first year of the booster tickets. The board was looking for ways to increase attendance, with the thought of members not having to worry about having cash to pay for their meals at the door.

Our annual kick-off meeting back then consisted of meeting somewhere and

having Sutphens Bar-B-Q cater the food and the activities could be anything from softball games to tennis, or horseshoes. I think 1969 was our first golf tournament, which was held at Rolling Hills Country Club in September. We sold 34 booster tickets at a cost of \$27.50/year in 1969 and our chapter membership had increased to 76 members.

The Alternate and Delegate CRC positions were appointed by the chapter as I remember. In other words, you could hold that position before being chapter President. The Oil Capital Air was initiated by Jack Tumilty in 1958, which was Volume I. The editor at that time was a position held by the same person, and for as many years as possible.



Gene Redford and Jack Tumilty

Another activity that took place each year was a joint-meeting between Central OKC chapter and NEOK chapter. We would go to OKC one year and the OKC chapter would travel to Tulsa the next year, usually by buses, with around 30 members making the trip. They were fun meetings and a great opportunity to meet new people and see how other meetings were conducted. There were some interesting contests between the two chapter presidents, from having pies in the face to neckties being cut off.

In 1969/1970 year the chapter won 2nd place for the Golden Gavel and was awarded the Chaparral award.

To be continued...

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

February BOG Minutes

By: Rob Teis

Attendees: Bob Allwein, Joel Karstetter, Dan Owens, Mike Beda, Gene Redford, Robert Schatz, Mike Kirk, Keith Browne, Paul Roberts, Mike Gulizio, Rob Teis, Chuck Mayfield, Bill Hanlon, Dave Lam, Sam Davis.

The NEOK Chapter Board of Governors (BOG) meeting was held on February 19th, 2008 at Joe's Crab Shack.

Chapter President, Dan Owens, called the meeting to order at 4:37 PM.

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

Treasurer: Mike Beda questioned how much will be donated to CRC from the general fund. Robert Schatz requested payment for the hotel bill of the Distinguished Lecturer & will require a stipend check for the Distinguished Lecturer for the February meeting. The funds were approved.

Newsletter: Articles for the next Newsletter are due February 25th.

Resource Promotion: \$1,230 was raised at the Auction for ASHRAE Research.

CTT / Main Programs: Air Assurance will be hosting the April Satellite Broadcast via a web connection. A possibility for the April plant tour is the OSU Advanced Training Facility.

CTT / Technical Programs: The March & May technical sessions are

(Continued on page 5)

(Continued from page 4)
being swapped.

Student Activities: Sam Davis reported there are no applicants for the college student scholarships thus far. Keith Browne has information to send to high schools regarding the Tumilty Scholarship.



Past Presidents are honored during the March Meeting.

Directory: Bill Hanlon will be deleting companies from the on-line directory who have no active members. He will e-mail a link to the directory to the Golden Gavel Committee.

Historian/Honors & Awards: Gene Redford has gathered the Chapter's history materials from Airetech & will be reviewing it with Paul Roberts & Mary Bowers.

Gene asked that all members please update your bio on ASHRAE.org if applicable. Contact Gene if you need assistance.

Website: Paul Mannas is retiring from this position. Chuck Mayfield will get a cost from Ryan Crone to update the web site to a format which will be easy to edit for Paul's replacement.

CRC Action Committee: Dave Lam asked that all committee members contact their RVC or go on-line to update PAOE points. Dan Owens asked that members contact him to let

him know if you attended the Winter Meeting.

CRC Host Committee: Rob Teis is setting up the CRC Host committee. Please call him if you are interested in helping to plan Tulsa's hosting of CRC 2012.

Nominating Committee: Paul Rob-

erts has candidates for all positions except the Secretary position for next year.

New Business: Next meeting is Past President's night & Golden Circle night. Jerry Beardslee is retiring from the planning of the fall golf tournament. Dave Lam & Chuck Mayfield are working on planning the event for next year.

Meeting was adjourned at 5:30 pm.

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

March Meeting Minutes
By: Rob Teis

The March NEOK Chapter meeting was held on March 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 7:04 PM.

Invocation was given by Paul Roberts. This meeting was Golden Circle, Past President's, & Student Activities Night.

Dan urged everyone to please respond to the e-vite system if you are planning to attend a chapter meeting. There were many more attendees than the restaurant had planned to serve.

Scott Sherwood announced the guests. Chad Smith thanked last year's Golden Circle contributors, MCAA & AAON. Both AAON, represented by Dave Knebel, & MCAA, represented by Rick Shoemaker, presented this year's \$10,000 contribution to ASHRAE Research.

Ken Fulk, Region VIII DRC, made a presentation on "The State of ASHRAE." The main program was entitled "How to Maximize Energy Savings in Steam Lines", and was presented by Jerry Sossamon of Spirax Sarco.

Announcements were made by Dan Owens. Next month's meeting will be a tour of OSU Tulsa ATRC. Robert Schatz indicated that the April 22 Satellite Broadcast will be hosted by Air Assurance at 1301 SW Expressway Drive in Broken Arrow.

Meeting was adjourned at 8:30 pm.

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



Ken Fulk, Region VIII DRC, Dave Knebel & Paul Roberts.

Northeastern Oklahoma Chapter of ASHRAE

Ballot for Election of Officers and Board of Governors

For chapter year 2009/2010

Ballot: The following individuals have been nominated. Each has agreed to serve if elected. You may “write in” another individual in the blanks shown, providing he/she has agreed to serve. Please complete this ballot, including your signature, and **return by fax** to your Chapter’s Nominating Committee Chairman, Paul Roberts at (918) 382-6295, by email to **paulr@aaon.com** or bring to the April chapter meeting. Ballots will be counted by the Board of Governors. Installation of those so elected, will follow at the May chapter meeting.

CHAPTER OFFICERS

President:

- **Chuck Mayfield** is automatically advanced.

President-Elect:

- Mike Gulizio**
- _____

Treasurer:

- Rob Teis**
- _____

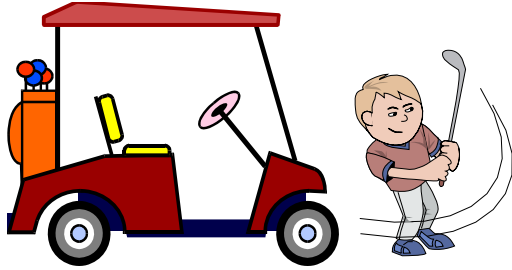
Secretary:

- Michael Kirk**
- _____

BOARD of GOVERNORS

- Joel Karstetter (Past President)**
- Steve Johnson (Past President)**
- Mike Beda (Past President)**
- Bob Allwein (Past President)**
- Keith Browne (Past President)**
- _____

Signature: _____



1st Annual NEOK ASHRAE Spring Golf Tournament Fund Raiser for CRC

Date: Wednesday, May 13th, 2009

Time: 11:30 am - Tournament check in starts. Lunch on your own, 1 bucket of range balls is included in entry fee.
 1:00 pm - Golf shotgun start.
 6:00 pm – Picnic.

Place: South Lakes Golf Course — 9253 S. Elwood Ave., Jenks, OK 74037

Entry Fee: \$55.00 (Greens fee, ½ cart, Picnic with drinks provided)
 \$15.00 (Picnic Only)

Entry deadline is May 6, 2009

(Note: If you pass the deadline, check with Mike Guillen @ 830-0326 for possible slot.)

Format: Four person scramble with individuals making up their own teams. Single entrants will be accepted and assigned to a team by the tournament organizers. **Please turn in the average score of each entrant** so that team handicaps can be established for net prizes. Please mail your entry early.

Picnic: Dinner and drinks will be served in the outdoor pavilion after the round has been completed. Golf prizes will be awarded at the picnic.

Mail Entry to: Airetech Corporation
 Attention: Chad Smith
 7636 E. 46th Place
 Tulsa, Oklahoma 74145

Make checks payable to: N.E.O.K. ASHRAE

2009 CRC Fundraiser Golf & Picnic Entry Form

Name (Please Print)	Average Score	Phone No.	Company	Picnic only	Amount
					\$
					\$
					\$
					\$

If rain occurs and we reschedule tournament, your entry fee will be donated to ASHRAE Research if you don't attend.

Total	\$
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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

		Voice	Fax
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

		Voice	Fax
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 13, 2009	Spring Golf Tourney
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
Chicago, IL
Islamorada Fish Company
Joe's Crab Shack
Islamorada Fish Company
Joe's Crab Shack
Plant Tour
Joe's Crab Shack
Lubbock, TX
Spring Lakes Golf Course
Islamorada Fish Company
Joe's Crab Shack
Louisville, KY

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