

# *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 7

Tulsa, Oklahoma

February 2009

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## Love



Dan Owens  
Chapter President

## President's Message

By: Dan Owens

“And now these three remain: faith, hope and love. But the greatest of these is love.” 1 Corinthians 13:13

February is the month of Love. It is a special time to show our true love, what they mean to us. It is the Valentine Month. The February meeting will be another great one and we will have Andy Hodges as our main program speaker. Andy is a Will Rogers impersonator; he will be in character as he ropes and expounds the wit and wisdom of one of our state's native sons. It is also the annual auction and spouse's

night. So bring your significant other and your wallet so we can raise money for ASHRAE Research. I know that Chad Smith is planning on this being another great NEOK chapter auction. Mark your calendar and enjoy an entertaining evening at the Islamorada Fish Company, Thursday, February 12th.

They say that if you keep your New Year's resolutions past Valentine's Day your actions will become habit and your habits will become a way of life. If you followed my advice on making professional development a goal of 2009 (and attended January's meeting), and you attend this month's meeting, you are well on your way to being a habitual attendee of ASHRAE Meetings. I have talked to President-Elect Chuck Mayfield about starting a 12-step program during the summer months for those who might have withdrawal issues during our summer break.

In closing, I wanted to say how proud I was as the NEOK Chapter President at the ASHRAE meeting in Chicago. It seemed like there were NEOK Chapter members everywhere I turned. I attended the President's Lunch, representing the MCA of Eastern Oklahoma. The MCA of Eastern Oklahoma and AAON were recognized at the lunch for their Golden Circle contribution. At the lunch I saw Norm Asbjornson, Mark Fly, and David Knebel from AAON, and also

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## UPCOMING EVENTS

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

6:00 pm Social

6:30 pm Dinner and Auction

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



Golden  
Gavel  
Winner

## FEBRUARY CHAPTER MEETING

Thursday, February 12th, 2009

Islamorada Fish Company @ Bass Pro Shop in Broken Arrow

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saw Mike Beda. I ran into Cary Pestel at the AHR expo, the hotel lobby and at the Field Museum. I saw Carl Eichstaedt and Jeff Ferguson at an evening social event then I went on a plant tour with Rob Dixon and received a text message from Jim Palmer Jr. to watch the bedlam game at a Chicago Brew Pub. After countless airline delays and cancellations, I ran into Wayne Arnold at the O'Hare Airport (he was catching a connecting flight home). In a city of millions and a convention and expo with thousands of attendees, it seemed that our chapter was very well represented.

See you at February 12<sup>th</sup> at the Islamorada Fish Company!

"If you want to be successful, it's just this simple: Know what you're doing. Love what you're doing. And believe in what you're doing." Will Rogers

Dan Owens can be reached at 918.270.1414 or [owens.d@mcintoshservices.com](mailto:owens.d@mcintoshservices.com)

## Chapter Technology Transfer

By: Robert Schatz

Last month we welcomed ASHRAE distinguished lecturer Forrest B. Fencel from UV Resources in Huntington Beach, California. Mr. Fencel gave an informative presentation on "UVC Technology for System Capacity, Maintenance and IAQ". We would like to thank Mr. Fencel very much for traveling to be with us.

This month is Spouse's Night and we hope to keep the mood light by having Andy Hodges come to entertain us with his impersonation of Will Rogers. Andy is a retired elementary school principal from Claremont Elementary



Forrest Fencel speaking at January meeting

in Claremore. Andy is also retired from officiating football and basketball. He has been involved with the Will Rogers Memorial Foundation for 5 years.

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. Last year Johnson Controls International was gracious enough to donate lunch for our attendees. I would like to ask our membership if another company would like to volunteer to provide lunch for this coming presentation.

As always, please contact me to discuss your ideas for future presentation topics.

Robert Schatz can be reached at 918.836.0271 or [Robert.Schatz@leeandbrowne.com](mailto:Robert.Schatz@leeandbrowne.com)

Please Donate  
for the Auction!

## Research Promotion

By: Chad Smith

Thank you to all who attended our November Resource Promotion night. We recognized those honor roll donors from 2007-2008 year both personal and corporate. On behalf of the NEOK Chapter and Society, thanks to every one of you who continue to support ASHRAE Research.

Research Promotion is in full swing. Our latest update shows that we have raised over \$10,000.00 for research, which is the highest in our region to date. Thank you to both our corporate and individual members who have given. We still have about \$ 5,000 of sponsorship money from the golf tournament that we need to collect. If you committed to sponsor the fall golf tournament, send your check to Chad Smith at 7636 E. 46<sup>th</sup> Place, Tulsa, OK 74145.

February means it is auction time. We are still gathering donations for the auction this month on February 12<sup>th</sup>. It will be a great opportunity to spend time with colleagues and meet their spouses, but also to possibly buy some great items all for the cause of raising money for ASHRAE research. We have a professional auctioneer who will be there to do this in style. Items that have been donated so far include a radiant floor heating system, deer stands, TU basketball tickets, coin sets, Mother Mary's homemade pies, and gift certificates for restaurants and movies. We still need more items, so if you have anything that you would like to donate, please call or e-mail Chad Smith to coordinate.

Please bring your checkbooks with you to February's meetings so that you can pay for the items that you win

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in the auction. We will be sending out donor history information in the near future, so please look for it and we hope we can count on your continued support.

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

## Refrigeration Tour

By: Michael Kirk

The BOK Center is a 19,000+ seat entertainment venue located in the heart of downtown Tulsa. Since its opening in September 2008, the BOK Center has hosted such acts as the Eagles, Neil Diamond, Carrie Underwood, as well as many others. The BOK Center is also the home of the Tulsa Oilers who play on the NHL regulation-sized ice surface. If you have ever wondered what type equipment it takes to run and operate a facility like this, here is your chance. On February 26th at 11:00 a.m., we will have the opportunity to tour the inner workings of the BOK Center and see the equipment serving this facility. This includes the large custom air handling units serving the arena, the brine chillers serving the ice

surface, as well as many other pieces of equipment supporting the facility. So please plan on joining us on the 26<sup>th</sup> to see a part of the BOK center that is normally unavailable to the general public.

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

## History

By: Gene Redford

Gayle Gwinup is a transplanted Kansan. To some of us Okies that explains a lot. He was born in 1954 in Wellington, the wheat capital of the world, just 11 miles north of the Oklahoma border. Gayle had always known what he wanted to do when he grew up. He was going to design and draw buildings, be an architect. His mother still has the house floor plan he drew in 1st grade. During second grade, his father gave him his drafting tools and taught him to use an architectural scale. His dad figured that if you're going to do something you ought to at least do it right and drawing to scale was "right". In addition to the architectural scale, he was given a tape measure so he could find out what size the parts and pieces of a house really were. The floor plans he

drew were critiqued for correctness. This probably explains a lot of his drive for thoughtful design and correctness of presentation. His dad is also responsible for initiating him into the work world. Gayle remembers when he was 10 years old how good it felt to get an allowance increase to 50 cents a week. Two weeks later his dad arranged for him to start carrying a paper route and took away his allowance now that he was employed. He credits life lessons driven home by his parents as providing the base from which he lives his life everyday.

After high school, college was not in Gayle's plans. He had graduated 3<sup>rd</sup> in his class, but there was neither money nor scholarships afforded him for any further education. He decided to pursue a vocation in drafting and attended a technical architectural drafting school in Wichita. It was during the first months of school that because of boredom he left school one afternoon and applied for an electrical drafting position with the Law Company.

School and work consumed almost every hour of every day, so it wasn't until he came to Tulsa that he had any time to consider the personal side of his life. He met his wife Jonalyn through a blind date set up by his cousin. Jonalyn is an equine engineer. She owns and operates a Morgan horse training center, Gwinfield Farms. On their third date she had to go by the barn to administer medical treatment for one of the horses. While proceeding through the barn to get the medication from the office, she spotted the culprit that had been eating the cat food. She instantly grabbed a 5 tine pitch fork and impaled the thief. She handed the "possum on a stick" to Gayle and instructed him to dispose of the hissing varmint. If she had asked him to skin and clean it so she could prepare it for dinner, she would have proven herself the perfect wife material. They have been married

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Sam Davis and Tom Owens listening to Dan Owens at January meeting.

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for 20 years and the adventures continue.

Gayle and Jonalyn's adventure in child raising began shortly after they were married. It became apparent that they needed to sell each of their homes and purchase one jointly. So having secured a real estate agent, they began looking at homes. Unbeknown to them, the real estate agent was interviewing them as potential parents for her grand daughter. She had custody of her grand daughter, but had health problems that would not allow her to live long enough to raise her granddaughter. So it turned out that Gayle and Jonalyn bought a house and got a daughter and a dozen chickens with the purchase. Gayle still kids his daughter Lyn that he is still not sure which was the better bonus, her or the chickens. Over the years Gayle and Jonalyn have taken in four other girls to help guide as they go through the trials of growing up. Three came to live with them through the riding program for the summer and stayed. The fourth, their daughters brought home from school in 10<sup>th</sup> grade and stayed through her senior year before going to the Marines and serving in Iraq. Another indication that Gayle may be qualified to be included in the history column is that he and Jonalyn are proud grandparents of a 3 year old grand daughter, Sydney Lyn.



Gayle and Sydney Lyn

Gayle started in the consulting business in 1973 at the age of 19 as a draftsman in the electrical department of the Law Company in Wichita, Kansas. John Truskett was the electrical department head and hired Gayle for that first job. Their professional lives have intertwined through the years. Two of Gayle's first projects are familiar to most Tulsans: Fontana Shopping Center here in Tulsa and Crossroads Shopping Center in Oklahoma City.

It was at the Law Company that Gayle got introduced into the world of Design Build. The Law Company was a construction company with construction managers and a full complement of A/E services. Another twist of fate was being put in place during that period as Dave Shaw was employed at Central Air in Wichita. Central Air was one of the primary subcontractors doing work for the Law Company.

The Law Company's projects came to a halt in 1974 so Gayle went to work for Burgess Engineering of Kansas. He also changed from electrical drafting and design to mechanical drafting. It was while at Burgess Engineering he learned what it was like to be a consultant engineer to the architects.

Bill Burgess had been getting the majority of the State work in Kansas through his Burgess Latimer Miller (Latimer Miller Summers and Wallace) office via relationship with long time Governor Docking. When Governor Docking was no longer governor, things got sticky, and the Wichita office was to be closed. Gayle again changed jobs in 1977 to work for one of the founders of Professional Engineering Consultants (PEC), "Hy" Hysom. Hy and several of the other original partners had recently been let out of their ownership of PEC and Hy formed a new company, Hysom Engineering.

While engaged at Hysom Engineering, Gayle also got to design special sys-

tems of that period. With the new energy performance requirements of the Carter administration the consulting engineering world was even more fun. Hysom developed a patent on a solar collector and became a local leader in the design and application of solar energy systems. Gayle got to design solar energy collection systems coupled with water source heat pumps, ground coupled hybrid systems, well water "free" cooling, and other energy savings focused designs.

Two other projects while employed at Hysom Engineering stand out for Gayle. One was the design of the Colman Company R&D plant for their HVAC division. It was one of the last fully pneumatic control systems, but incorporated multiple energy savings applications. There was a 100 ton ground mounted McQuay air handler with run a-round hot water reclaim from the furnace testing area, well water "free" cooling coil, variable speed supply and return fans, plate and frame heat exchangers, and air circulation of a wind tunnel using a Cessna 150 engine and prop. The other memorable project was Gayle's senior project. Gayle parlayed the company's project to model the Sedgwick County Court House facility complex and the first application of DDC controls commercially by Johnson Controls into his senior project.

Gayle finished his BSME degree from Wichita State University in 1983 during his employment with Hysom Engineering graduating magna cum laude.

While searching for his direct supervisors to comply with the reference requirements for application for taking the P.E. exam, he found John Truskett in Tulsa needing to replace JT/A's mechanical engineer. Since there was already a registered engineer ahead of him at Hysom Engineering, he elected to take a position with JT/A. The years

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at JT/A were growth years in all aspects of the consulting business. At the start, it was slow going as the economy in Tulsa dropped to the bottom in 1984. When it looked bleak, at the 11<sup>th</sup> hour in December, the contract for design of the Wal-Mart HyperMart came in. Gayle was back in the national retail market again, designing a prototype of the largest retail store Wal-Mart had built to date and it was to be designed and constructed starting on January 2 with the store opening before the Christmas sales season. The company grew from two engineers and a part time draftsman and Gayle became the mechanical department head and learned about the hazards of human resources. Engineering became the easy side of the consulting business. Soon after gaining a minority Ownership in JT/A, JT/A closed its doors in January 1991.

Now out of work, Gayle needed to find a job and preferably one with a company that was known for doing the classical engineering consulting work like he had done while at Hysom Engineering. The two local companies he decided upon were Lee and Browne and Flynt and Kallenberger. Keith Browne said no and Ray Flynt said yes. Gayle laughs when he thinks that his first day at FKI was April 1<sup>st</sup>, 1991. He's glad Ray took a chance and gave him an opportunity to once again practice the more classical engineering consultant role. Gayle's projects with FKI include the TRMC ER addition, the original Natalie Warren Bryant Cancer Center, and remodel projects for the Warren Clinics in the Resource Science Center. Gayle spent 3+ years with FKI before deciding to start his own firm, Gayle D. Gwinup, P.E. Consulting Engineering, in 1994.

John Truskett, now Engineering Design/Associates, enters the picture one

more time when Gayle opened his engineering office. John offered Gayle a sublease space and use of the office systems. With the costs of company start-up covered and the opportunity to have a source of work, Gayle took the offer and opened his office. During the initial period of starting his office, FKI continued to be supportive and provided Gayle with part time work. The combination of the support from FKI and ED/A made Gayle's entry into the consulting engineering business much easier and he is very grateful to those firms for that support. He says it is that type of professional support between competing firms that is needed today as there are fewer and fewer consulting engineers available or entering the consulting engineering business.

Gwinup Engineering's largest opportunity occurred when Jon Mercer was looking for a mechanical engineer to work with OMNI Mechanical to relocate Hillcrest's Central Plant. Enter Dave Shaw (Wichita Central Air Dave Shaw). Dave let Jon know of Gayle and after some grilling, Gayle was selected to work with OMNI to design the relocation of the central plant and building steam distribution to replace the high temperature hot water system. Gayle was to perform peer review of CANNON's design of the proposed HMC Women's Center. As it turned out, Gayle completed the design of the women's center and continues doing work for Hillcrest.

In addition to Gwinup Engineering, Gayle is the operating partner of Allied Engineering Group, LLC. AEG was formed in 2000 out of a mechanical only consulting firm and an electrical only consulting firm needing mechanical engineering to provide a complete proposal. Tom McKenna searched Gayle out after being told by an owner, Jon Mercer, he should see if Gayle could assist him in a pro-

posal. Tom and Gayle discussed their individual needs for engineering support. Gayle expounded his vision of creating a consulting engineering firm that was positioned for alliance with other engineering firms as well as architects, contractors, and owners; a firm where an employee could have the opportunity of ownership without being a relative or having to have a small fortune or the burden of debt for a buyout; and a firm that was flexible enough to morph as needed to address the changing relationships and methods of providing design services within the construction industry as it evolved from the historical A/E – Owner relationship. Tom said he was game for a try at this approach and Allied Engineering Group, LLC became the first professional consulting engineering firm to be registered as an LLC in the State of Oklahoma. Gayle and Tom have each kept their original companies (Gwinup Engineering and Starr Design Group, Inc.) in operation and incorporate them into the mix of sources of work for AEG.

Gayle states these last 36 years have flown by. He thought that after 20 years this consulting business would be a cake walk and he'd have it all under control. But with the advancements of technology, energy issues and market changes, you have to change and keep pace with the changes as they arrive. It is the challenges brought with change and the continued expansion of learning that keeps the consulting engineering business interesting. Add to that the successful projects that you pass by each day and the pleasure of helping guide entry level engineers and designers become the best they can be at their chosen vocation; you have a rewarding way to spend the time required to make a living.

Gene Redford can be reached at 918.270.1414 or [redford.g@mcintoshservices.com](mailto:redford.g@mcintoshservices.com)

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## December BOG Minutes

By: Rob Teis

**Attendees:** Paul Roberts, Joel Karstetter, Dan Owens, Mike Beda, Gene Redford, Sam Davis, Nancy Mack, Scott Sherwood, Mike Gulizio, Rob Teis, Chuck Mayfield.

The NEOK Chapter Board of Governors (BOG) meeting was held on December 18th, 2008 at Joe's Crab Shack.

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

**Minutes:** Rob Teis received comments & the October 16<sup>th</sup> meeting minutes were approved as noted.

**Treasurer:** Mike Gulizio reviewed & submitted financials. They will be filed for audit. Mike will transfer last year's surplus money to the CRC Fund.

**Newsletter:** Articles for the next Newsletter are due December 23rd. The newsletter will be sent out for review December 29<sup>th</sup> or 30<sup>th</sup>.

**Resource Promotion:** The Full Circle donation is complete for this year. The brick paver for the donation to ASHRAE Headquarters Building Fund will read "Northeastern Oklahoma Chapter". Invoices will go out soon for the 2008-09 Research Campaign.

**Membership Promotion:** Dan Owens reported we have a new member. His name is Ryan Shaw.

**CTT / Main Programs:** The January lunch meeting has been confirmed. Invocation will be given by Paul Roberts. OSU Tulsa will charge \$175 room rental for the April satellite

broadcast. They will take responsibility for technical considerations.

**CTT / Technical Programs:** Dan Owens stated there will be no Technical Session for the January meeting as it is a lunch meeting. It will be rescheduled for another time.

**CTT / TEGA, Refrigeration:** Proposed dates for the BOK refrigeration tour & hockey game are 1/6, 1/20, 2/3, 2/10, 2/24.

**Historian/Honors & Awards:** Gene Redford has submitted his article for the newsletter. No new awards have been submitted.

**Nominating Committee:** Dan Owens will be appointing the Nominating Committee soon & will announce the members at the January meeting.

**CRC Host Committee:** Dan Owens reported there will be a meeting with the Crown Plaza in January. Rob Teis will appoint the CRC Host Committee next year.



Ed Williams and Bill Hanlon

**Old Business:** The "Proposal for NEOK Student Scholarship Program" was reviewed & approved.

**New Business:** A motion was passed to change the January meeting to a lunch meeting to not conflict with the BCS Bowl game.

Meeting was adjourned at 5:20 pm.

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

## January Meeting

### Minutes

By: Rob Teis

The December NEOK Chapter meeting was held on January 8th, 2009 at Islamorada Fish Company in Bass Pro Shop in Broken Arrow, OK.

Chapter President, Dan Owens called the meeting to order at 11:30 AM with 71 attendees.

Invocation was given by Chad Smith. This meeting was designated as a Membership Promotion meeting & Young Engineers in ASHRAE Luncheon. Chad Smith indicated that donations of auction items are needed. Please let him know if you have a big ticket item so it may be promoted properly.

The Nominating Committee was announced by Dan Owens & is: Keith Browne, Bill Hanlon, Nancy Mack, Steve Johnson, & Paul Roberts.

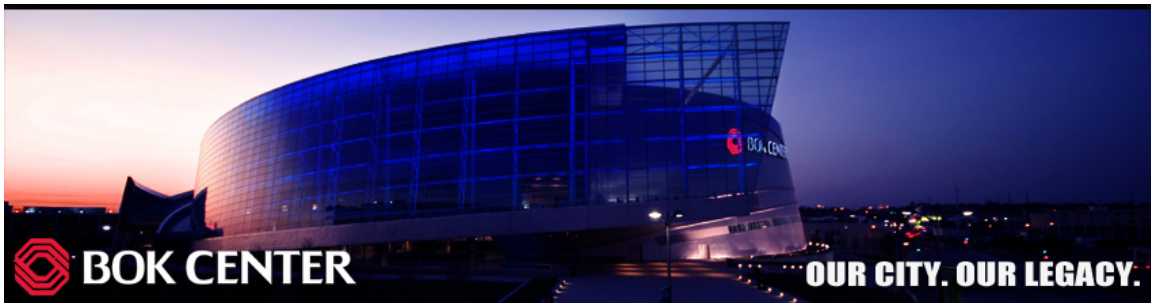
The program was presented by Forrest Fencil on the subject of "UVC Technology for System Capacity, Maintenance and IAQ".

Announcements were made by Dan Owens. Next month's meeting is Spouses Night & will be the Research Auction. Jim Keim will be the Auctioneer. Andy Hodges, a Will Rogers impersonator, will provide the entertainment.

Meeting was adjourned at 1:10 pm.

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

# ASHRAE Northeastern Oklahoma Refrigeration Tour



*Thursday, February 26<sup>th</sup>  
at 11:00 a.m.*

*Please meet in the Grand Lobby located on the  
Southeast side of the BOK Center.*

*We will be touring the mechanical systems serving the new BOK  
Center including the brine chillers that serve the NHL regulation-  
sized 17,000 square feet ice surface.*

*After the tour, if there is interest, we can go to a restaurant downtown as a group.  
Please direct questions and [RSVP](#) for tour and lunch to Michael Kirk at Johnson  
Controls, Inc.—258-5618 or [william.m.kirk@jci.com](mailto:william.m.kirk@jci.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 <a href="#">Lakeridge Country Club</a>
10:00 AM - 2:00 PM	Sport Shooting and lunch at <a href="#">South Plains Gun Club</a>
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	<b>Membership Promotion Lunch &amp; YEA Lunch</b>
12-Feb-09	<b>NONE—Auction and Spouses Night</b>	<b>NONE—Auction and Spouses Night</b>	<b>Will Rogers Impersonator</b>	<b>Andy Hodges</b>	<b>Research Auction; Spouses Night</b>
12-Mar-09	Laboratory Design Overview	TBA	Maximizing energy savings in steam lines	Mr. Jerry Sossamon Spirax	Student Activities, Past Presidents, & Golden Circle Night
9-April-09	NONE—Plant Tour	NONE—Plant Tour	NONE—Plant Tour	NONE—Plant Tour	Plant Tour
14-May-09	Energy Management Services - A Consulting Engineer's perspective	Mr. Jeff Hunt	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](http://www.ashrae-neok.org)

### Chapter Volunteers

#### Officers:

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

#### Board of Governors

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

#### Committee Chairs

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

#### Committee Chairs (cont.)

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

### Calendar of Events

#### Important Dates

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

#### Meeting

#### Location

Joe's Crab Shack  
Clary Fields Golf Club  
Joe's Crab Shack  
Islamorada Fish Company  
Joe's Crab Shack  
Islamorada Fish Company  
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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  
Islamorada Fish Company  
Joe's Crab Shack  
Louisville, KY

**INTEGRATED  
BUILDING DESIGN**



**Bringing the Pieces Together to  
Unleash the Power of Teamwork**

Satellite Broadcast  
April 16th, 2009

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