



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

May 2010

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Finish Strong



Chuck Mayfield
Chapter President

President's Message

By: Chuck Mayfield

This will be my last ASHRAE newsletter article as president. The next newsletter will be anchored by Rob Teis' article. But my administration still has 2 months of business to complete before Rob takes over; therefore we have to Finish Strong.

We need to finish strong in monthly meeting attendance. All year long we have had good attendance at our main meetings. We have increased our average meeting attendance from 53 to 61 year over year, but we still need more people to attend the meetings. We had great technical and main meeting speakers all year long, and the May 13th meeting will be the same. Please invite your friends in the industry to attend this last meeting to learn about ASHRAE 62.1 in the main meeting and Commissioning in the technical session.

But remember, this is the last meeting of the year before summer break. You may be asking, "Why is that important?" Two words: HALF POT! We will give away half the pot at the May 13th meeting. You must attend and buy a ticket to win. In other words, you must be present and you must participate to win. We have \$738 in the pot. Half the pot, \$369 dollars, goes home with the winner and the other half is donated to ASHRAE Research Promotion. And the pot will continue to grow at the meeting when everyone buys

more tickets. Please remember to RSVP today.

Research Promotion is another area that we need to finish strong. We had a good start to the year with a September golf tournament and an auction on spouses' night at our February meeting. We also retained one Golden Circle contributor, AAON, which will push us to a strong finish. Nevertheless, we lost the other Golden Circle contributor and we still are a long way from our goal. I know times are tight, but please consider giving to our chapter so we can continue the tradition of great HVAC research at the society level.

In closing, I would like to say "Thank You" to all the officers and committee chairs that assisted me this ASHRAE year. Everyone has been great to work with and I hope you are energized to "finish strong" your commitment to many more years of service to NEOK ASHRAE. I am stepping down from president but I plan to stay involved and I hope you will join me. Hebrews 12:1 says, "Let us run with endurance the race God has set before us." We are not done. Keep running!

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

UPCOMING EVENTS

- **May 13th - Chapter Meeting at Islamorada Fish Company, Bass Pro Shop**
5:00 cocktails
5:30 pm Tech Session
6:30 pm Main Program
- **May 20th, 4:30 pm Board of Governors Meeting at Joe's Crab Shack**

*** Don't forget to buy half-pot tickets at the next meeting!!! May 13th could be the day you draw the Ace of Spades & take home half of the cash.**

Chapter Technology Transfer

By: Duane Harman

Last month's tech session focused on ASHRAE Research at OSU. The technical session was presented by Graduate Students from OSU. Presenters and topics were:

- Garrett Hansen: "Experimental Meas-

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MAY CHAPTER MEETING

May 13th, 2010

Islamorada Fish Company-101 W Bass Pro Drive, N-Broken Arrow

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urement of Pond Heat Exchanger Performance."

- Kasey Worthington "Thermal Performance of Pipe Insulation."
- Sankar Padmanabhnan ""Experimental and Theoretical Investigation of Frost Growth on Outdoor Coils in Air Source Heat Pump Systems."

This month Jim Snyder will be giving a technical session on Commissioning.

Last month's main program was given by Corey Bartlett, Sales Engineer with Daikin, on Variable Refrigerant Volume (VRV) technology, pros and cons, capabilities and limitations, and good and bad applications for these systems.

The main program for the May meeting will be on ASHRAE standard 62.1. It will be presented by Dennis Stanke with Trane Commercial Systems.

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

Half-Pot Drawing

By: Bill Hanlon

A big thanks to all who have participated in our half-pot drawing for ASHRAE research. We will draw cards at the May meeting until we have a winner. Our goal is to top \$1000.00 in ticket sales, which means \$500.00 or more going to ASHRAE research. Now is the time to get in the game.

Bill Hanlon can be reached at
918.835.8333 or bill.hanlon@ICStulsa.com

Research Promotion

By: Chad Smith

We are nearing the end of this year's research drive. If you have not donated already this year please do so soon. 100% of your donation goes to fund research projects which benefit our industry. If you would like to donate on-line please do so at <http://www.ashrae.org/> or you can mail a check made payable to: "ASHRAE Research" directly to me at the address below. Please make a donation this year. Every dollar is important & all donations are tax deductible. It is important to make your donation soon. The year end deadline is June 30th. Donations turned in after that date are applied to next year's campaign.

Checks should be made out to "ASHRAE Research." Please mail checks to:

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

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

Chapter History

By: Gene Redford

It is hard to believe that we are winding down another chapter year; it seems like only a couple of months ago we were having the golf tournament. This will be our last history article for this year. For those of you who I've asked for bio's from, please have them ready for me, so that I will have them for next year's article. I appreciate all the responses I have received from those who have been featured. If I have not asked you yet, start getting caught up on your bio's, so I can feature you sometime soon.

To say the least, this has been a year to remember, with the loss of two of our finest engineers and ASHRAE members. The interesting thing about them both is that they were the ones who you could call when you had a question about engineering and or refrigeration. These two gentlemen could always provide you with an answer to your question. Sometimes it might have taken a bit longer to get the answer you wanted, but be assured you would get an answer to your question. Jack Tumilty and Ron Spencer will be missed without a doubt.

I would like to recognize Keith Browne again for his decision to put together the Jack Tumilty Scholarship Fund. Keith's timing was perfect. I remember him saying at one of our meetings that we need to get this done so Jack will be able to see it come to pass. If you recall, last year the chapter awarded the first scholarship in his honor and Jack was there to present it. What an important event for us to be able to share with him. Another thing to remember about Jack is that he co-chaired the last CRC we had in Tulsa. It is still considered one of the best CRC to date.

I am sure there are many people who have fond memories of visits with and opportunities to learn from Ron Spencer. I remember when I first started in this industry, while working for Jack Tumilty, one of my first HVAC classes was taught by Ron when he was with Trane. I seem to remember that Dick Herron was the Trane Branch Manager and Howard Kirsch had also been there for a while. It was not long after that when Howard and Ron took over the Trane office from Dick. This arrangement lasted until the mid 1980's, when Trane bought back the Tulsa branch and made it a factory branch. Howard left and went into another area business

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venture and Ron started Optimum Systems and Service (OSS) and returned the York equipment name to Tulsa.

Don't forget Ron Spencer was our Chapter Historian for many years and Jack Tumilty was the Region VIII Historian for many years as well. So, you see I have had some good training. Again I think we owe both of them many thanks for their services in our industry and our chapter. We should not forget their hard work and investment in how successful NEOK chapter has been over these many years.

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

March 18th Board of Governors Meeting Minutes

By: Mike Gulizio

Attendees: Mike Gulizio, Bill Hanlon, Scott Pollard, Keith Browne, Eric Norris, Rob Teis, Paul Roberts, Mike Beda, Sam Davis, Mike Kirk, Jeff Ferguson

The NEOK Chapter Board of Governors (BOG) meeting was held on March 18th, 2010 at Joe's Crab Shack.

Chapter President Elect, Rob Teis, called the meeting to order at 4:33 PM.

March Chapter Meeting minutes were accepted as amended.

Treasurer: Mike Kirk reviewed the financial reports. Mike stated there was a shortage of money to pay for visiting student meals at the Chapter meetings. Several board members volunteered to sponsor meals.

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

CTT / Main Programs: Jeff Ferguson has all the tech session spots filled except for May and has a good prospect for that meeting working. He believes Duane has all Main Program slots filled.

CTT/Refrigeration: Eric Norris is searching for a plant tour location. Our possible St. Francis tour fell through.

Student Activities: Keith Browne made a motion that we change our scholarship amount from \$500 to \$800. A discussion ensued. The motion was seconded by Mike Beda. A vote approved the change.

Mike Beda made a motion that an application be used in the scholarship program and Scott Pollard seconded. It was approved by vote. The guidelines will be stated at the student

section of the Chapter website.

Directory: Bill Hanlon reported a trouble free month.

PAOE: Only concern is our membership numbers.

Website: Scott Pollard stated we have a "Program" tab on the site. He has been in discussion with ASHRAE National about some features available to us from them at no charge.

CRC 2012 Host Committee: There will be 2 co-chairs, Keith Browne and Dan Owens. Keith mentioned we have decided to have CRC at The Doubletree Hotel, subject to contract negotiations. A discussion ensued relating to contractual obligations of ASHRAE local vs. National for the Hotel site for the coming CRC.

New Business: Rob Teis reported a 3 Hour PDH seminar is being held at McIntosh. Jeff Ferguson stated there will be a webcast on April 21st. It is assumed that it is a personal registration. Bill Hanlon reported our half Pot total is up to \$623.00. We are down to 22 cards left in the deck.

The meeting was adjourned at 5:29PM.

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

April 18th Board of Governors Meeting Minutes

By: Mike Gulizio

Attendees: Mike Gulizio, Scott Pollard, Keith Browne, Paul Roberts, Mike Beda, Sam Davis, Rob Teis, Brady King, Joel Karstetter, Mike Kirk

The NEOK Chapter Board of Governors (BOG) meeting was held on April 15th, 2010 at Joe's Crab Shack.

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

April Chapter Meeting minutes were accepted as amended.

Treasurer: Mike Kirk reviewed the financial reports. Chuck noted we had \$9800.00 in income with \$8800.00 going out to meetings.

Chuck reviewed and discussed the general financial numbers.

Newsletter: Rob Teis stated the articles for the next Newsletter are due April 29th.

Research and Promotion: Chuck said that we currently have \$29,440.00. Our goal is \$45,000.00 this year. Last year

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we raised \$50,170.00. Chuck asked for suggestions as far as how to raise money. We have until June 30th. It was suggested we have a separate meeting regarding this matter.

Membership: Chuck stated we have 22 new members this year. He noted it was mostly thanks to Sam Davis and his student activities effort.

CTT / Main Programs: We do have scheduled speakers for next month's meetings.

Student Activities: Sam handed in a scholarship application. We have 4 applications for the Tumulty Scholarship this year.

Website: Scott Pollard stated we are down to 320 Email addresses on the Chapter Website.

Reception: Brady King stated some badges are missing. More than likely due to "Walkoffs."

PAOE: We were the first Chapter to meet Par this year. Chuck Mayfield led the Tulsa Chapter to a continuous run of winning the Premier award.

New Business: Dan Owens made a suggestion that in the future the winter CRC could be a WEBX..

The meeting was adjourned at 5:13PM.

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

2009/2010 Programs

Date	Technical Session	Speaker	Main Program	Speaker	Theme and Special Guests
10-Sept-09	Golf Tournament at Clary Fields Golf Course	Golf Tournament at Clary Fields Golf Course	Golf Tournament at Clary Fields Golf Course	Golf Tournament at Clary Fields Golf Course	Golf Tournament at Clary Fields Golf Course
8-Oct-09	Ground Source Design for Commercial / Industrial Systems	Garen Ewbank, Ewbank Geo Testing	Geothermal Systems and Tax Incentives	Dan Ellis, President Climatemas-ter	Membership Night; Refrigeration Night
12-Nov-09	Hybrid Boiler Systems	Hamilton Engineering	ASHRAE Research Status	OSU Faculty	Research and Consulting Engineers Night
10-Dec-09	NONE - Lunch Meeting	NONE - Lunch Meeting	Green Vs. Green	Panel of 5 TBA	Panel Discussion
14-Jan-10 *Lunch Meeting	NONE - Lunch Meeting	NONE - Lunch Meeting	Upcoming Code Changes for HVAC Equipment	Mark Fly, AAON Inc. Director of Engineering	Membership Promotion Night & YEA Night
11-Feb-10	NONE—Spouses Night	NONE—Spouses Night	Working Marriage	Joe McGee	Research Auction; Spouses Night
11-Mar-10	Energy Saving Pump Applications	Mark Hunt, Wilo	Oklahoma and Small Business Politics	Randy Brogdon, Oklahoma State Senator	Past Presidents, & Golden Circle Night
8-April-10	OSU HVAC&R Research	OSU Graduate Students	Variable Refrigerant Systems	Corey Bartlett, Dai-kin	Student Activities
13-May-10	Commissioning	Jim Snyder	ASHRAE 62.1	Dennis Stanke, Trane Commercial Systems	Awards Night; Installation of Officers

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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 <http://www.ashrae-neok.org/>

Chapter Volunteers

Officers:

President	Chuck Mayfield	624-1005	624-1006
President-Elect	Rob Teis	382-6134	382-6295
Treasurer	Mike Kirk	258-5618	258-2425
Secretary	Mike Gulizio	455-1712	451-1596

Board of Governors

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

Committee Chairs

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

Committee Chairs (cont.)

Attendance	Scott Pollard	250-5590	459-0997
Directory	Bill Hanlon	835-8333	835-9992
Historian	Gene L. Redford	270-1414	254-1444
Honors & Awards	Gene L. Redford	270-1414	254-1444
Invocations	Paul Roberts	382-6268	382-6295
Membership	Scott Sherwood	317-3152	250-5419
Newsletter	Rob Teis	382-6134	382-6295
Programs (Main)	Duane Harman	877-6000	877-4000
Programs (Tech)	Jeff Ferguson	877-6000	877-4000
Publicity	Mike Guillen	258-2665	258-4328
Reception	Brady King	493-2712	493-2713
Refrigeration	Eric Norris	382-6303	382-6369
Research Promotion	Chad Smith	665-6600	627-7004
Special Events	Dave Lam	250-5590	459-0997
Student Activities	Sam Davis	249-1918	249-9014
Sustainability	Mike Phelps	877-6000	877-4000
Webmaster	Scott Pollard	250-5590	459-0997

Calendar of Events

Important Dates

August 20, 2009.....	Board of Governors
September 10, 2009 .	Chapter Golf Tourney
September 17, 2009 .	Board of Governors
October 8, 2009	Chapter
October 15, 2009	Board of Governors
November 12, 2009 .	Chapter
November 19, 2009 .	Board of Governors
December 10, 2009..	Chapter <u>Lunch Meeting</u>
December 10, 2009...	Board of Governors
January 14, 2010.....	Chapter <u>Lunch Meeting</u>
January 21, 2010.....	Board of Governors
January 23-27, 2010.	ASHRAE Winter Meeting
February 11, 2010....	Chapter
February 18, 2010....	Board of Governors
March 11, 2010.....	Chapter
March 18, 2010.....	Board of Governors
April 8, 2010.....	Chapter
April 15, 2010	Board of Governors
April 6-8, 2010.....	CRC
May 13, 2010.....	Chapter
May 20, 2010.....	Board of Governors
June 26-30, 2010.....	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
Marriott Southern Hills
Marriott Southern Hills
Islamorada Fish Company
Joe's Crab Shack
Orlando, FL
Islamorada Fish Company
Joe's Crab Shack
Islamorada Fish Company
Joe's Crab Shack
Islamorada Fish Company
Houston, Texas
Islamorada Fish Company
Joe's Crab Shack
Albuquerque, NM

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ASHRAE Learning Institute Spring 2010 Online Course Series

2 WAYS TO REGISTER

Internet: www.ashrae.org/onlinecourses

Phone: Call toll-free at 1-800-527-4723
(US and Canada) or 404-836-8400 (worldwide)

Note: You may register up to 24 hours prior to an online seminar.
Courses are in US Eastern Standard Time.



Courses in May

District Cooling & Heating Systems: Central Plants
Monday, May 3, 2010 – 1:00 p.m. to 4:00 p.m. EDT

Complying with Requirements of ASHRAE Standard 62.1-2007
Wednesday, May 5, 2010 – 1:00 p.m. to 4:00 p.m. EDT

Understanding & Designing Dedicated Outside Air Systems (DOAS)
Monday, May 10, 2010 – 1:00 p.m. to 4:00 p.m. EDT



Standard 189.1 Training

The ASHRAE Learning Institute (ALI) is bringing
Standard 189.1-2009 training to a city near you.

Understanding Standard 189.1-2009 for High-
Performance Green Buildings
May 25, 2010 – 1:30pm – 4:30pm, San Francisco, CA

Understanding Standard 189.1-2009 for High-
Performance Green Buildings
June 2, 2010 – 1:00pm – 4:00pm, Arlington, TX

Implementing Standard 189.1-2009 for High-
Performance Green Buildings
June 10, 2010 – 8:00am – 4:00pm, Atlanta, GA

Implementing Standard 189.1-2009 for High-
Performance Green Buildings
June 26, 2010 – 8:00am – 4:00pm, Albuquerque, NM

Visit www.ashrae.org/189.1courses for
more information and to register

Hot Products from ASHRAE

A leader in HVAC&R technology, ASHRAE publications cover topics that
impact every facet of the environment, both indoors and out.

Latest Publications from ASHRAE!

- ☐ *Standard 189.1-2009, Standard for the Design of High-Performance Green Buildings*
(A Jurisdictional Compliance Option of the IGCC)
- ☐ *ASHRAE Handbook Online* – Web-Based access to all 4 volumes
- ☐ *ASHRAE Pocket Guide* – Useful information that fits in a shirt pocket
- ☐ *IAQ Guide: Best Practices for Design, Construction and Commissioning*
- ☐ *Load Calculation Applications Manual (SI)*

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- ☐ *Advanced Energy Design Guide for Small Hospitals and Healthcare Facilities*
- ☐ *Principles of Heating, Ventilating, and Air Conditioning* – Textbook based on the 2009
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