



Central Oklahoma Chapter

ISSUE 2 - OCTOBER
2012-2013 EDITION

Sou'Wester

Monthly Newsletter of the Central Oklahoma Chapter



**Chapter President
Dusty Stoabs, P.E.**

Greetings ASHRAE Members, Associates, Affiliates, and Students! As I write this, it's now October and we just experienced the warmest first nine months of the year on record across the U.S.! According to a NOAA report, 2012 is on track to go down as the warmest year on record! Based on the new September data, they calculate the probability that this will happen at 93%. Only 8 of the past 118 years have had an October-December period that would be cold enough to drag the 2012 U.S. average temperature below that of the record warmest calendar years, a tie from 2006 and 1998. Interesting stuff! It's good to be in the air-conditioning industry!

Speaking of being in the air-conditioning industry, in January, over 1,800 manufacturers and suppliers will be in Dallas to showcase their latest products and systems, building automation and controls, software and services, and more.

President's Message continued on Page 2

UPCOMING EVENTS

November Meeting

November 7th at 50 Penn Place in 3rd floor retail space
11:30am Lunch (\$20 at the door)

12:00pm Presentation by Lawrence Turner of Vibro-Acoustics to speak on "Extreme Event Engineering – Understanding IBC Seismic / Wind Requirements and Risks"

1:00pm Wrap-Up

LAST MONTH'S PRESENTATION

At our October meeting, Brandon Rees, with Cooling Tower Depot Inc. presented on cooling tower fundamentals with an in depth approach to design (crossflow vs. counterflow), structure design, fill media selection, drift eliminator selection, plume abatement, and tower characteristics. Brandon did a wonderful job engaging the audience with trivia questions and "cooling tower fill media" plinko.

THANK YOU FOR YOUR SUPPORT!

The following contributed to the future of ASHRAE Research during the 2011/2012 Fiscal Year.

Associate Level Investors—\$2,500-\$4,999

Central Oklahoma Chapter Research Promotion Endowment

Silver Level Investors—\$1,000—\$2,499

Central Oklahoma Chapter
SAIC
Temtrol, LLC
Governair, LLC
Automated Building Systems, Inc.
Engineered Equipment Inc.
John Harrod

Bronze Level Investors—\$500-\$999

Frankfurt Short Bruza Associates
Bobbie J Vermillion Research Promotion Endowment
Hydronic Systems Incorporated
Process Equipment Company Inc.—Oklahoma
Streets Inc. Mechanical Controls
Northwest Controls
Matherly Mechanical Contractors, Inc.
AHPCC—Assoc. of Plumbing Heating and Cooling Contractors
Sheet Metal Industry Fund of Western Oklahoma
Air Products Supply
ACP Sheet Metal Company Inc.
David O'Daniell, P.E.

Antique Level Investors \$250-\$499

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Bruce Albertson
Harrison Orr Air Conditioning
Quality Plumbing and Heating of Norman
B&L Heating and Air Conditioning
Florentino Mendez
Joe Sanders
Charles B Darr, III

Honor Roll Investors \$150-\$249 (\$100 Individuals)

Allen Consulting
Thomas Determan
Bert Akins
Don Carter
Scott Akins
Wayne Allen
TME Inc.
Boone & Boone Sales Company, Inc-Oklahoma
Air Technologies
Hardesty Team
EMCS, Inc
Wattie Wolfe Company
Hambrick Ferguson Inc. – Oklahoma
Trade Mechanical Contractors
R L Williams Company Inc.

R B Akins Company
Engineered Systems & Energy Solutions, Inc.
Federal Corporation
050 Engineering
Alvine Engineering
PVI Industries
CaptiveAire – Oklahoma
Determan-Scheirman
EMCS, Inc.
C H Guernsey
LG HVAC
Trane Company
Jeffery C Linihan
ZRHD, PC
Dr. Jeffery Spitler
Richard R Ellis, Jr.
Dense Mechanical Contractors Inc.
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MCD Company
Jim Redden
Norman Supply Company
Veolia Energy Oklahoma, Inc.
James Kersey
James L. Keas Memorial
David Royal
Bryan Garcia
Dusty Stoabs
Shaun Sexton
Aruna D Abhayagoonawardhana
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James Benedict, Jr.
Robert F. Erdman, Jr., PE
Mrs. Stephanie Thomas
Alan Loeffler
Stephen B. Pickle
Walter Mecozzi
Alexander Alperin
Mitchell Green
Gene Binning
Doris Loeffler in Memory of Louis Loeffler, Jr.
Alejandro Garcia

ASHRAE Research Supporters

Southwest Test and Balance
Kenneth L. Jorgenson
John Semtner
Austin Sales Associates, LLC
Robert Carson
Liane F. Ozmun, P.E.

PRESIDENT'S MESSAGE

Continued from Page 1

The event is the AHR Expo and the ASHRAE Central Oklahoma Chapter is going on a road trip! Arrangements are being made right now to charter a 50 passenger bus to the Expo. The bus would leave OKC early in the morning on Tuesday, January 29, then return to OKC that evening. Our Chapter has done this two times before when the Expo was in Dallas and it's always been a great experience. We will have more details in the upcoming weeks on how to reserve your seat on the bus. For now, mark your calendars for Tuesday, January 29, 2013.

Don't forget, now is the time to go to the Society website and update your member information. Go to www.ashrae.org and login, then click on "Membership & Conferences" then on "My Membership" then click on "Change Your Address/View or Edit Your Profile/Update Your Bio". If you've let your membership lapse, this is a great time to bring it up to date because this year is the year that the ASHRAE Handbook – Fundamentals is published! Also, many of you are "Associate" members but are actually qualified to be full Members. If that is you, then you need to upgrade your membership ASAP. The qualifications and procedure are listed at www.ashrae.org/membership--conferences/my-membership and all it entails is updating your member information as mentioned above, then clicking on "Edu. Pro. Reg" and adding your educational history, professional license (if applicable) and work history, then sending an email to membership@ashrae.org stating that you are ready to be upgraded to Member.

Looking forward to a great year!

Dusty Stoabs, PE

ASHRAE Central Oklahoma Chapter President



AREA JOB OPPORTUNITIES



TME, Inc. is seeking a Mechanical Designer for our Oklahoma City, OK office location. The ideal candidate shall possess the following:

- Bachelor of Science degree in Mechanical Engineering or equivalent experience.
- EI Certification (Pass the Fundamentals of Engineering Examination) a plus.
- 3 to 5 years of mechanical design experience for a consulting engineering or architectural/engineering design firm.
- Experience with healthcare of higher education projects preferred.
- Experience with Autodesk Revit preferred.

TME offers challenging and innovative work assignments, competitive salary, and an outstanding benefits package. We encourage you to visit our website at www.tmecorp.com. If interested, please email your resume to the attention of Janet Calhoun at jcalhoun@tmecorp.com.

ASHRAE WINTER CONFERENCE BUS TRIP

Tuesday January 29th, 2013 - \$40

Leave OKC (at FSB lower parking lot) at 6:00 AM.

Leave Norman (Lloyd Noble Center parking lot) 6:45 AM.

Continental breakfast and box dinner on Bus.

Convention is at the Dallas Convention Center from 10 AM - 6 PM.

We'll return home at 9:15 PM (Norman) and 10:00 PM (OKC).

Only 56 spots are available so reserve yours now by contacting John Semtner at jsemtner@adgokc.com.

We're also looking for someone to sponsor 10 students. If you'd like to sponsor a student, please contact John Semtner at the above email address.

ASHRAE Central Oklahoma Chapter Meeting

Meeting Minutes: October 3, 2012

Location: 50 Penn Place

President Dusty Stoabs called the meeting to order at 11:30 AM and delivered the invocation.

Mr. Stoabs thanked Bryan Garcia for his work on this year's golf tournament and thanked all the sponsors.

Guests from Wilspec, FSB, OSU, and OU were introduced.

Dusty introduced the board members, committee members, and officers then explained their roles for this year.

Dusty then showed both the chapter and society websites, including the online roster.

Daniel Brazeale introduced the speaker for the meeting, Brandon Rees.

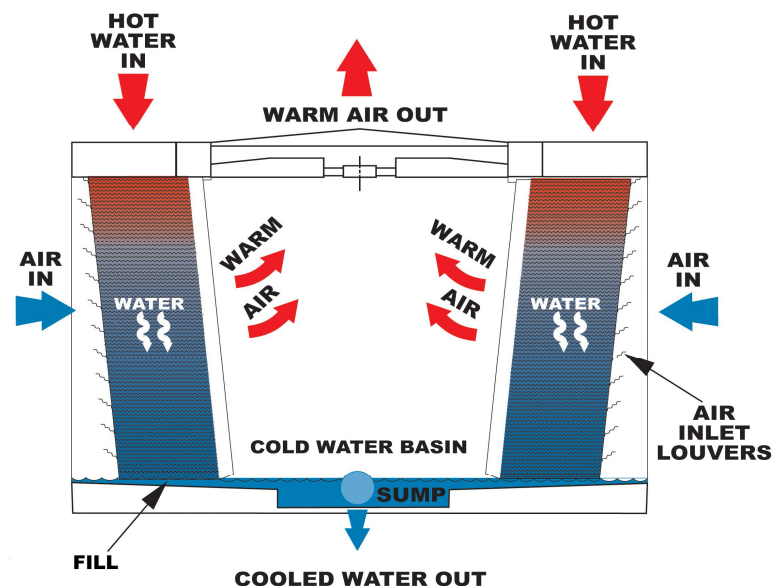
Brandon Rees is the Regional Sales Manager for Cooling Tower Depot. His presentations discussed the fundamentals of cooling towers such as tower design, terminology, and applications.

Dusty Stoabs thanked Mr. Rees and announced the newsletter will both be emailed out and available on the website. Meeting invites will now come through Outlook instead of the evites we used last year.

Daniel Brazeale announced the COOP Brewery tour on October 10th for YEA members.

No other new business.

President Dusty Stoabs adjourned the meeting at 12:37 PM.



Crossflow Cooling Tower Diagram



Chapter President Dusty Stoabs



Topic Presenter Brandon Rees

YEA MEETING

The YEA group toured the Coop Ale Works Brewery with JD Merryweather of Coop, and afterwards attended a tasting session at 51st Street Speakeasy located at 1114 NW 51st Street. Coop Ale Works Brewery started in 2008 and they have made great strides in the beer industry. They currently brew six year-round beers (Horny Toad Cerveza, Zeppelin German Wheat, Native Amber, DNR, Gran Sport Porter, and F5 IPA), and currently one seasonal beer (Oktoberfest). This was a great opportunity to learn about the beer making process. We had five YEA members show up and would love to have them at the next meeting!



ASHRAE'S FIRST CRC CONDUCTED IN OKC!

Newer members to our chapter may not realize that our chapter is one of the oldest chapters west of the Mississippi River. It was established in 1935. Members may also not realize how our chapter has been a pioneer in ASHRAE. The following tells the story of how our society had its first regional meeting (now known as CRC – Chapters Regional Conference), as opposed to national meetings only, here in Oklahoma City in 1955, 57 years ago.

I found a treasure among old files which Bobby Vermillion, our historian for many years, had compiled. It is a *Sou'Wester* newsletter from 1955. It tells the whole story. The link (see below) to our chapter's website allows you to view this issue, which was edited by Bill Collins, our "Mr. ASHRAE" chapter member who went on to become society president.

Background: (period around 1955) Our society was known as ASHVE (V for ventilating) from 1895 until 1954. This was changed to ASHAE in 1955, later to ASHRAE. Other changes came. The following paragraph comes from "History Recalled" the wonderful chapter history booklet (posted in PDF format on our chapter website). It states on page 9:

"With membership increasing and more chapters being established, the age-old practice of having the Society President visit each chapter during his tenure in office became burdensome, and so the (Society) Council voted to adopt a Regional Plan with the Society being divided into regions, so that offices other than the President could share in the policy of chapter visits. Whether Regional Meetings could be held successfully was a concern of the Council, and the Oklahoma Chapter offered to act as a guinea pig and host a trial balloon Regional Meeting."

Check out the ASHRAE COK website to view the May 1955 issue of our chapter newsletter and read about "the experiment". Let's keep that same pioneer spirit as we progress this year.

Alan Loeffler
Chapter Historian

ASHRAE Annual Fall Golf Tournament Results

Every September, the central Oklahoma chapter of ASHRAE holds a golf tournament to help raise funds for ASHRAE research and scholarships. This year, the golf tournament was held at Kickingbird Golf Course in Edmond.

Four companies became gold sponsors, sponsoring \$1,000 each. These companies are, listed in no particular order, Matherly Mechanical, FSB, EMCS, and Wilspec. Siemens sponsored the food.

Thanks to all the companies that sponsored this years tournament!

Third Place Team— Score 60

Mike Clark
Jake Matherly
Clayton Howell

Second Place Team— Score 58

Jim Chandler
Cary Pestel
Randy Hunter
Erin Bevill

First Place Team— Score 56

Trapper Wilson
Chris Dolan
Adam Shupe

THE SOU'WESTER

Oklahoma Chapter News-Letter, American Society of Heating and Air-Conditioning Engineers
Volume V, Number 6 May 1955

"NEW WELDING PROCEDURES" MAY 9-NEW MEETING PLACE

Mr. Victor E. Lynn, District Sales Manager, Ruston Welding Equipment Co., Tulsa, will be the guest speaker at our next Chapter meeting on May 9th. He will give a talk on "New Welding Procedures" and also a documentary film of time and money savings made available to every industry by scientific advances in metal joining and related techniques.

Mr. Lynn joined the Ruston Welding Equipment Co. in 1950 as District Engineer. His background in engineering and his ability to solve industrial problems were such that his services were in constant demand.

In July 1952 he was promoted to District Sales Manager for the Ruston Welding Equipment Co. with headquarters in Tulsa. This position gives him more scope to his unlimited ability to solve the many complex problems encountered in the joining and fabrication of metal. His knowledge of all phases of welding stems from his wide experience in this field.

Prior to joining Ruston Welding Equipment Co., Mr. Lynn was engaged in engineering at the Bell Telephone Laboratories. He studied electronics at Rutgers University. He is a member of the A.S.H.R.A.E. and a former member of the S.A.E.

We sincerely hope that all members will make it a point to attend this meeting, and we want to emphasize that the meeting place has been changed. The date is Monday, May 9th the place is **AMERICAN LEGATION** at 2nd and Western. The usual time schedule will remain — 6:30 to 8:00 P.M., and Ruston's food will be served. Reservations are welcome. Return your reservation card today — now!

REGIONAL MEETING A SUCCESS

Over 320 members and guests of the American Society of Heating and Air-Conditioning Engineers attended a Regional Meeting of the Society in Oklahoma City April 14-16. Council and Committee meetings and the Technical Sessions were interspersed with social events for enjoyment and entertainment. That the meeting was a success will not be overstated by any of those present. Approximately one-half of the Chapter in the Society were represented by people from 18 States, the District of Columbia, and Canada.

This issue of THE SOU'WESTER is specially devoted to reporting on this meeting, so that those who were unable to attend may find out what they missed, and those who did attend will have a little insight into what they missed. Prints of all pictures taken at the meeting will be available at the May 9th Chapter meeting, so that you can look them over and order any that you may wish.

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OKLA. ROUNDUP

The Oklahoma Roundup, held Friday night in the Ballroom and Crystal Room of the Skirvin Hotel on the first organized evening for our many visitors. Starting with a social hour, to break the ice, the Roundup was well attended. The most attended 25 people. After everyone was well introduced, a business dinner in ballroom style followed. A true Oklahoma flavor to the evening. After the business, everybody enjoyed around the square and listened to some young people from the Student Interfraternity group from Oklahoma A & B College. The group, consisting of students, prospective students, and our students, under the able direction of Mr. A. Frank Hurdle, presented an entertaining and hilarious "Minute" program that had the audience laughing and cheering in appreciation. An excellent show — a song, a play (really half of a quartet), an Irish tenor, a hat with phonetic pronunciation (but had the folks in the states; in fact we saw some who were laughing so hard they were crying), and finally the young lady playing the maracas; this was the program they presented. Some of the hidden musical talent in our Oklahoma Chapter was brought to light when Carl Jensen was taught to play the maracas in one year lesson. All had an enjoyable time, and our "opening night" had gotten the meeting off to a good start.

PRESIDENT'S REPORT

At the opening session on Saturday morning, ASHRAE President John E. Wilson reported on his activities since assuming the presidency in January. Following are excerpts from Mr. Wilson's report.

"I have this to the beginning of many Regional meetings, because it is a sense of reaching some of our members, and on a more intimate basis. Certainly none of our members can attend regional meetings that are able to attend our national meetings. In general, there is about 1% of our membership who attend a national meeting, and so our reach so many more members through the regional meetings.

"Since their appointment this year, the National committees have been very active. There have been twenty-two national committee meetings attended by over 200 men in the Society.

"I think this year the attendance at these committee meetings has been better than ever before, and I'd like to add that this is voluntary effort on the part of so many men. For the most part they pay their own expenses for their time and their ability and their assistance toward the advancement of the arts and sciences of heating, ventilation, and air conditioning. The benefits will be seen for years to come. This great industry has advanced only because of the many hundreds of men who have given their time freely for this purpose, and many of them are here in this room.

Closest to pin on hole #14

Lance Miller

Longest Drive

Chris Dolan

BOARD OF GOVERNORS MEETING MINUTES

The Board of Governors held their last meeting on August 27. President Dusty Stoabs called the meeting to order at 12:13 pm.

Chapter Officers Present:

Dusty Stoabs – President
David Royal – President Elect
Shaun Sexton – Treasurer
Joe Sanders – Secretary

Board of Governors Present:

Jason Keyes Tim Jones
Daniel Brazeale Mark Furgason

Absent:

John Semtner Grant Flurry Brian Sauer

Members Present:

Alan Loeffler Tino Mendez Brooke Enochs Tony Clark
Kyle Reeves Bryan Garcia Alejandro Garcia Aruna

New Business and Committee Reports:

Meeting Minutes from August 27th, Board of Governors Meeting were presented. David Royal made a motion to accept. Report approved 8-0.

Shaun Sexton presented the financial reports for June, July, and August. The chapter is currently working on finding members to serve on the Audit Committee.

Dusty Stoabs thanked Bryan Garcia for organizing this years golf tournament.

Mr. Stoabs also discussed MBO's for this year and urged committee chairs to complete theirs and get them turned in.

John Semtner has volunteered to setup a bus to take interested members to this year's AHR expo in Dallas.

Tino Mendez discussed the possibility of having a ladies night this year. He suggested the new Devon Tower pent-house restaurant as a possible location. Tim Jones will try to set up a tour as well, though he expressed that Devon has been reluctant to have tours due to legal concerns.

Committee Reports:

Special Events: [Bryan Garcia] A total of 86 people participated in this year's tournament. So far, \$12,000.00 have

been collected; a total of \$18,500.00 was pledged. After expenses, Scholarship and Research should each receive \$6,300.00.

Membership: [Tim Jones] Still working on delinquent members. Seven of the 21 delinquent members are at risk. Two new members have been added as well.

Research Promotion: [David Royal] – Adam Shoop will be an assistant to David this year and run the committee next year.

Scholarship: [Aruna] Proposing a \$500.00 scholarship to high school math and science projects each year. A formal proposal may be made to the board in October.

Technology Transfer: [Daniel Brazeale] Original October speaker cancelled due to personal reasons. All but three meetings this year are set and confirmed. April meeting will offer a Distinguished Lecturer as well as a joint meeting with AIA. The DL will be speaking on ASHRAE 90.1.

YEA: [Daniel Brazeale] Planning a COOP Brewery tour and tasting at 51st Street Speakeasy. This meeting will be held on October 3rd.

Student Activities: [Brooke Enochs] Response from the universities has been slow so far. Planning to put a greater focus on grades K-12. Currently looking for more volunteers.

Newsletter: [Tony Clark] Newsletter has been redesigned and uploaded to the chapter's website. October newsletter due out after this month's meeting.

Webmaster: [Bryan Garcia] Bryan should be copied on all SouWester articles for posting on the website. Working on updating Twitter and Facebook. Members suggested putting Twitter, website, and Facebook links on all chapter correspondence. Members also discussed adding a LinkedIn group. Bryan is still looking at the Star Chapter as an alternative to website's current CMS.

Historian: [Alan Loeffler] Alan is in communication with regional chair.

Tech Energy & Government: [Brian Sauer] – The YEA brewery tour will count towards a refrigeration tour for this year.

No other new business.

President Dusty Stoabs adjourned the meeting at 1:14 pm.

BOARD OF GOVERNORS CONTACT INFORMATION

Officer Name	Role	Company	Phone	Email
Dusty Stoabs, P.E.	President	Frankfurt Short Bruza	(405)840.2931	dstoabs@fsb-ae.com
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Shaun Sexton	Treasurer	050 Engineering Company	(405)236.2030	ssexton@050engineering.com
Alan Loeffler	Historian	Federal Corporation	(405)239.7301	aloeffler@federalcorp.com
Alejandro Garcia	Chapter Delegate Honors and Awards	The Benham Companies	(405)478.5353	alejandro.garcia@saic.com
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Grant Flurry	Board of Governors	Federal Corporation	(405)239.7320	gflurry@federalcorp.com
Jason Keyes	Board of Governors	Siemens	(405)615.6690	jason.keyes@siemens.com
John Semtner	Board of Governors	Architectural Design Group	(405)808.5894	jsemtner@adgokc.com
Mark Furgason	Board of Governors	Automated Building Systems	(405)948.1794	mark.furgason@abscompanies.com



Board of Governors at Sportsman's Club on October 29, 2012.