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UPCOMING EVENTS

- **December 4th:**
Chapter Meeting (11:30 a.m. Lunch) at Tulsa Country Club
- **December 10th:**
Board of Governors (4:00 p.m.) at McNellie's South City

President's Message

Welcome!

In August, I started participating in Leadership Tulsa. We started with a retreat where we learned about the individuals that comprised the class of Leadership Tulsa 62. In addition, we meet every month and tour Tulsa to learn about the past, present, and future of that area. So far, we've toured downtown and west Tulsa. Tulsa has a unique history. Tulsa was blessed with wealth from the oil industry. That wealth helped make Tulsa what it is today. Tulsa also has a harsh past with events related to the Indians and the 1921 Race Massacre.

As I learn more about Tulsa's past, I find it amazing that many of the struggles continue today from incidents that occurred around 100 years ago. Tulsa still has vast wealth and a very philanthropic community. There are thriving families, businesses, and industries throughout Tulsa. At the same time, there are individuals and communities that still suffer greatly and continue to be what I call underserved. The contrast at times is shocking to me, especially for a city like Tulsa. I personally hold Tulsa to a different level of expectations.

In my first President's message, I talked about volunteering and the importance of it. This message is about the need for volunteering as it relates to our livelihoods here in the Tulsa. As I learn more about our community through Leadership Tulsa, I learn more about the need for volunteers and about the challenges certain groups face to meet basic needs to live. Race and education still have a strong precedence in the underserved areas of our communities. The good news is most of you reading this today hold different beliefs and values than what people did 50 to 100 years ago.

I just read an article in the Tulsa World stating 28 schools in the Tulsa Public School system received an overall F grade on the 2108-19 Oklahoma School Report Card. I cannot even begin to comprehend this being acceptable. My opinion is that we are failing as a society to educate and develop our children. Last month in Leadership Tulsa, we met with the Principal and leadership team at Webster High School. We learned of the need for volunteers. This need for volunteers is more than just doing something related to STEM or HVAC. This is the need for true mentoring. There are students that need an adult to mentor them. Someone to show a basic interest to an individual student. Nothing fancy, nothing special, just basic human compassion for another person.

I left Leadership Tulsa that day emotionally conflicted on what I learned about many of the students in the Tulsa Public School



Duane Harman
Chapter President



President's Message, continued

system. I could easily place blame on the parents, the educators, the school system, the state government, or the individual students. After reflecting on it for several days, I thought, "What good does placing blame on someone really do?" I am an engineer by education and training. Mentors helped me as a child/student to guide me down a path to engineering. Being an engineer makes me a problem solver. I choose to help solve the problems. I challenge you to engage and help solve the problems. Volunteering your time is one of the more essential elements to help solve the problems and develop a real understanding as to what is happening in our community. I'd like to challenge the local NEOK ASHRAE chapter to engage and volunteer in the Tulsa area community.

Thanks,

Duane Harman

RESEARCH PROMOTION

By Duane Harman

We have reached our Full Circle goal for research promotion for the year. "Full Circle" is a distinction given to a chapter when all chapter officers and the RP chair each donate at least \$100 to ASHRAE Research by November 15th. The Goal for RP research is \$40,000 for the 2019-2020 chapter year. With the funds raised at the golf tournament and our Full Circle donations, the chapter will reach the 30% goal for PAOE points by the end of the year.

Our next fund raising event will be the auction in February. We are now accepting donations and auctions item for the event. Please contact Duane Harman or Chad Smith to arrange donations.



Duane Harman
2019-2020 Chapter President
DuaneH@aaon.com



CHAPTER TECHNOLOGY TRANSFER

By Matthew Simmons

Thank you to all who made it to the November lunch meeting. We had a great presentation from Pam Duffy, one of ASHRAE's Distinguished Lecturers, on "Time Management for the Perpetually Busy Engineer." Hopefully everyone was able to pick up some helpful strategies on how to be more productive and improve your time management.

Our next lunch meeting will be December 4th at 11:30am and our technical presentation will be by James Livingston on "Life Safety Damper Designs, Ratings and Applications." This presentation will cover the following:

- Life safety damper types & functions
- UL tests and ratings
- Damper styles for special applications
- NFPA testing & maintenance

James Livingston is the Regional Sales Manager for Ruskin Company. Mr. Livingston has been with Ruskin since 1989 and held various engineering and sales positions. James earned a B.S. in Mechanical Technology from the University of Central Missouri and resides in the Kansas City, Missouri, area. The meeting will be held at Tulsa Country Club (701 N. Union Ave). Please RSVP and bring a guest, we will see you there.

Call for Submissions:

If you have applied innovative building design in the areas of occupant comfort, indoor air quality and energy conservation that incorporate ASHRAE standards for Effective energy management and IAQ you should submit your design for the ASHRAE's annual Technology Award Program. By submitting your design you and your client, if selected, could be Recognized by ASHRAE for your innovative technological concepts. Each year the Society may present awards in six categories: Commercial Buildings, Institutional building, Health Care Facilities, Industrial Facilities or Processes, Public Assembly, and Residential. If you would like more information on this program please [visit the ASHRAE website](#).

2020 ASHRAE Winter Conference:

Online registration is open for the 2020 ASHRAE Winter Conference courses held in Orlando, FL on February 1-5. Visit the link for more details please [visit the ASHRAE website](#).

If you cannot make it to Orlando there are still a couple fall 2019 online courses available. Please [visit the ASHRAE website](#) for this and other ASHRAE training opportunities.



Matthew Simmons
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GGAC

By Garen Ewbank

In the last few months, a dedicated team consisting of impact groups, AEE, AIA, and ASHRAE attended at least three meetings of the Oklahoma Uniform Building Codes Commission (OUBCC). Fellows from AEE, AIA and ASHRAE participated and wrote letters to the commission to update codes, preferably, to 90.1-2018 or 9.

In review, two years ago the OUBCC argued that an energy code was not a part of their codes and they should never advance it. The OUBCC was shown that was false. Furthermore, the OUBCC considered that energy codes are a part of design codes and could not be adopted since it was a design issue. Pressure has been brought by various state agencies (one in particular: Oklahoma Department of Energy) to consider the energy code updates to no avail.

One positive note is that a motion at the OUBCC was made to form a committee to review the IECC, which is positive, but little is expected from the committee as it will not have authority beyond making recommendations.

It seems the reluctance is that other sections of code seem to have undue influence and “do not want others to be in the mix.” Several meetings with various elected officials are being planned, and the only push for new energy codes most likely are legislative going forward.

Thanks to the Regional Director Chad Smith and the OKC chapter for their efforts.



Garen Ewbank
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REFRIGERATION

By Eric Mulliniks

AAON recently held an official grand opening ceremony for their new laboratory, the Norman Asbjornson Innovation Center. Several local and state dignitaries showed up and spoke at the event. As part of our chapter’s refrigeration activities this year, we look forward to hosting a tour of the new facility with our state ASHRAE chapters in the coming months.

Eric Mulliniks
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TREASURER REPORT

By Steve Uerling

Net Worth — As of 11/30/19

(Includes unrealized gains)
As of 11/20/19

Table with 2 columns: Account, November 2019. Rows include Assets (\$82,264.62), Cash (\$54,789.01), Savings (\$27,472.05), Investments (\$3.56), Liabilities (\$0.00), and Net Worth (\$82,264.62).



Steve Uerling
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SOCIAL MEDIA

By Kristin Long

Please remember to go "Like" NEOK ASHRAE on Facebook & join our group on LinkedIn. We will be posting meeting reminders & upcoming chapter activities on both pages. As of the end of November, we have 90 "Likes" on our Facebook page, and we have 98 members in our LinkedIn group.



Click on one of these logos to visit our pages.



Kristin Long
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YEA

By Jason Blair

YEA hopes everyone has a wonderful holiday season and safety for everyone traveling. With time off, and other events, we do not have a December YEA event scheduled.

See you all in the new year!



Jason Blair
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HONORS & AWARDS

By Mike Beda

We are in the last half of ASHRAE’s 2019-20 year with the Houston CRC coming in April. I need your help by updating your bio for the Chapter and Regional Awards.

Please take a couple of minutes to review your past ASHRAE activities. If you have been thru the chapter chairs or a chair/member of committees at the chapter or CRC’s levels, please give me a call or send me an email. We can review your activities and see if you qualify for an award.

Have a Merry Christmas and a Happy New Year.



Mike Beda
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HISTORY

By Gene Redford

This month we continue our reflection of 10 years ago by sharing some photos from the December 2009 edition of the Oil Capital Air. These photos were taken at the Chapter Meeting on November 12th, 2009.



Chuck Mayfield, Woody Russell Roberts,
Paul Roberts



Jeff Deal



Meeting attendees



Meeting attendees



Gene Redford
918.346.0444
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STUDENT ACTIVITIES

By Jacob Koch

Jacob Koch here with a Student Activities update. Thank you to Sallam Khaled for the opportunity to speak in front of the class at OSU-Tulsa in late October. For about 15 minutes, I discussed the HVAC industry, the importance of ASHRAE, and the scholarships offered through ASHRAE. Next, I will be giving a presentation at OSU-Okmulgee, at a time and date to be decided.

A reminder that there are three scholarships available through NEOK ASHRAE. NEOK college student scholarships are given to two Tulsa area college students each year. Both students will be selected from applications received from either the University of Tulsa, Oklahoma State University-Tulsa, or Oklahoma State University-Okmulgee. The scholarship amounts are \$800 each for two recipients. Also there is a \$1000 scholarship in the name of Tulsa engineer Jack E. Tumilty (Jack E. Tumilty Scholarship) to a Tulsa metropolitan area graduating high school senior who will be entering the study of mechanical engineering at a college of their choice in the fall. The scholarships are awarded yearly at the April NEOK ASHRAE chapter meeting. I will be handing out flyers promoting these scholarships at colleges and high school. If anyone knows any students that would be a good candidate for the scholarships, then direct them to the NEOK ASHRAE website.



Jacob Koch
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MEMBERSHIP PROMOTION

By Eric Mulliniks

The Oktoberfest event that was hosted by Membership Promotion and YEA on Corporate Night was a success. We had several young engineers attend and a few of them have committed to becoming our newest members.

We thank you for your membership and encourage you to renew promptly when your membership comes due. If you don't know when your membership renews please take a moment to login to www.ashrae.org and check your membership status and renewal date. While you are there, check your bio to make sure all the information is correct and up to date. This helps our chapter leadership tremendously.

Eric Mulliniks
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MEETING MINUTES

By Keith Averitt

Recording of Minutes

Chapter: Northeastern Oklahoma Chapter 069
Meeting: October 2019 BOG
Compiled By: Duane Harman

Meeting Date: October 10, 2019

The NEOK BOG Meeting was held at Baxter's Interurban Grill. Chapter President Duane Harman called the meeting to order at 4:05 PM.

Duane provide a general update on the chapter operations. The need for closing out the books last year and period were discussed. The budget for the year was also discussed. The treasurer, Steve Uerling, provided the monthly financial reports and discussed the results from the golf outing held in September. Steve also updated the group on the status of the audit for last year.

YEA: Jason Blair provided an update on the event to be held at Oktoberfest.

Matt Simmons updated the group on the November DL speaker. The group discussed the process of hosting a DL with Matt.

Membership promotion chair, Eric Mulliniks, provide an update. MP will cohost the Oktoberfest event with YEA. Eric need to provide a photo for the newsletter. Mike Beda request member numbers from Eric.

RP: Kristin Long update the group on the funds raised for the golf outing and there was a general discussion on what to do to move forward. The need for full circle donations by November 15th was also mentioned to the group.

Special events discussed items related to closing out the golf outing event. Invoices that need to be followed up on were mentioned. Need to reschedule golf course for next year.

Publicity and social media: Kristin Long update the group on communications.

Webmaster, Matt Petersen, updated the group on his efforts to refresh the chapter web page.

There was no new business.

Duane adjourned the meeting at 5:20 pm.



MEETING MINUTES

By Keith Averitt

Recording of Minutes

Chapter: Northeastern Oklahoma Chapter 069
Meeting: October 2019 Chapter Meeting
Compiled By: Duane Harman

Meeting Date: October 2, 2019

October Chapter Meeting
10/2/19 at the Tulsa Country Club

- 11:35 am Duane Harman called the meeting to order and gave his opening message.
11:40 am Duane Harman and Pam Dunlap introduced guest and drew a winner for the preregistration contest.
11:45 am Garen Ewbank provided an update on GGAC and the OUBCC.
11:50 am Chad Smith lead the pledge of allegiance and invocation.
11:55 am Gene Redford performed the half pot drawing.
12:00 pm Duane Harman broke the group for lunch.
12:10 pm Matt Simmons introduced the speaker, Mark Hamilton.
1:00 pm Duane Harman provided closing comments and closed the meeting.



Keith Averitt
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kaveritt@eei-ok.com

Mark your calendars now for CRC!



ASHRAE® REGION VIII



NEOK Season Pass Order Form

<u>Option</u>	<u>Name / Firm</u>	<u>Qty</u>	<u>Price</u>	<u>Total Price</u>
Individual Booster Ticket			@ \$175	\$
Corporate Booster Ticket			@ \$200	\$
Corporate Booster Meals			@ \$25	\$
Student Booster Ticket			@ \$175*	\$
Student Booster Meals			@ \$25*	\$
Total Paid:				\$

* Tax deductible donation for the benefit of the Chapter

Company Name: _____ Contact Person: _____

Street Address: _____ Phone Number: _____

City, State, Zip: _____ Email Address: _____

Make checks payable to: NEOK ASHRAE

Mail checks to: NEOK ASHRAE
PO Box 52746
Tulsa, OK 74152



2019/2020 Calendar of Events

Important Dates

September 11, 2019
 September 19, 2019
 October 2, 2019
 October 10, 2019
 November 6, 2019
 November 19, 2019
 December 4, 2019
 December 10, 2019
 January 15, 2020
 January 21, 2020
 February 13, 2019
 February 18, 2020
 February 1-5, 2020
 March 4, 2020
 March 10, 2020
 April 1, 2020
 April 7, 2020
 April 23-25, 2020
 May 6, 2020
 May 12, 2020
 June 27-July 1, 2020

Meeting

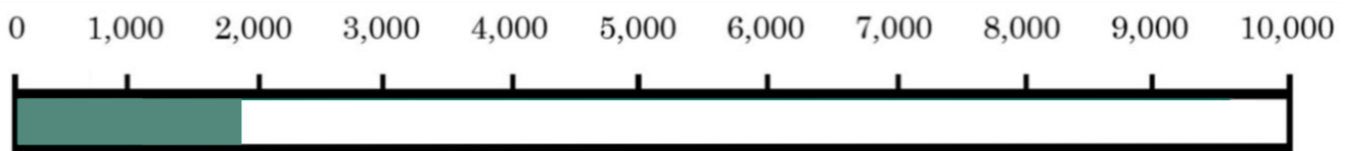
Golf Tournament
 Board of Governors
 Chapter Meeting (Lunch)
 Board of Governors
 Chapter Meeting (Lunch)
 Board of Governors
 Chapter Meeting (Lunch)
 Board of Governors
 Chapter Meeting (Lunch)
 Board of Governors
 Chapter Meeting (Lunch)
 Board of Governors
 ASRHAE Winter Conference
 Chapter Meeting (Lunch)
 Board of Governors
 Chapter Meeting (Lunch)
 Board of Governors
 CRC
 Chapter Meeting (Lunch)
 Board of Governors
 ASHRAE Annual Conference

Location

LaFortune Golf Course
 McNellie's South City
 Tulsa Country Club
 McNellie's South City
 Tulsa Country Club
 McNellie's South City
 Tulsa Country Club
 McNellie's South City
 Tulsa Country Club
 McNellie's South City
 Orlando, Florida
 Tulsa Country Club
 McNellie's South City
 Tulsa Country Club
 McNellie's South City
 Houston, Texas
 Tulsa Country Club
 McNellie's South City
 Austin, Texas

Check back in each subsequent newsletter as new events will be added as they are scheduled.

2019/2020 NEOK PAOE Points





2019/2020 Chapter Volunteers

Officers

President	Duane Harman	918-382-6173	duaneh@aaon.com
President Elect	Claire Farr	918-279-6450	cfarr@es2ok.com
Treasurer	Steve Uerling	918-836-0271	steve.uerling@leeandbrowne.com
Secretary	Keith Averitt	918-624-1005	kaveritt@eei-ok.com

Board of Governors

BOG	Brian Biggerstaff	918-219-4030	bbiggerstaff@eei-ok.com
BOG	Dan Owens	918-270-1414	owens.d@mcintoshok.com
BOG	Ray Gomez	918-584-0102	gomez@phillipsgomez.com
BOG	Mike Beda	918-706-8309	mikebeda1945@yahoo.com
BOG	Steve Johnson	918-935-1266	sjohnson@ocem.us.com

Committee Chairs

CRC Delegate	Nolan Chance	918-877-6000	nolanc@midwestmachinery.net
CRC Alternate	Duane Harman	918-382-6173	duaneh@aaon.com
Attendance/Reception	Pam Dunlap	918-587-4747	pbdunlap@matrixae.com
Audit	Chad Smith	918-665-6600	chad@airetechcorp.com
CTT/Programs	Matt Simmons	918-258-6890	msimmons@eda-fki-engineers.com
GGAC	Garen N. Ewbank	405-826-8156	gewbank@geotctest.com
Historian	Gene L. Redford	918-346-0444	glredbird@yahoo.com
Honors & Awards	Mike Beda	918-706-8309	mikebeda1945@yahoo.com
Invocations	David Lam	918-250-5590	david.lam@omnimechanical.net
K-12 STEM	Cheyenne Reynolds	918-224-6560	creynolds@sapulpaps.org
Membership Promotion	Eric Mulliniks	918-382-6432	ericm@aaon.com
Newsletter	Claire Farr	918-279-6450	cfarr@es2ok.com
Nominating	Joel Karsetter	918-665-3974	jkarsetter@abscompanies.com
Publicity / Social Media	Vacant		
Refrigeration	Eric Mulliniks	918-382-6432	ericm@aaon.com
Research Promotion	Vacant		
Special Events Co-Chair	Duane Harman	918-382-6173	duaneh@aaon.com
Special Events Co-Chair	Ryan Dunkerson	918-430-6793	rdunkerson@es2ok.com
Student Activities	Jacob Koch	918-836-0271	Jacob.Koch@Leeandbrowne.com
Sustainability	Stephanie Shaulis	918-858-4942	sshaulis@thgenergy.com
Webmaster/ECC	Matt Petersen	918-282-7731	petersenmatthewe@gmail.com
YEA	Jason Blair	918-232-7654	jblair@harrisonenergy.com

This newsletter describes the activities of ASHRAE Chapter 069 of the American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc. (ASHRAE).

It does not present official positions of the Society nor reflect Society policy.

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