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 2018-19 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.
President’s Message, continued

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

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.
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
918.417.9953
msimmons@eda-fki-engineers.com
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.

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.
TREASURER REPORT

By Steve Uerling

Net Worth — As of 11/30/19

<table>
<thead>
<tr>
<th>Account</th>
<th>November 2019</th>
<th>As of 11/20/19</th>
</tr>
</thead>
<tbody>
<tr>
<td>▼ Assets</td>
<td>$82,264.62</td>
<td></td>
</tr>
<tr>
<td>▼ Cash</td>
<td>$54,789.01</td>
<td></td>
</tr>
<tr>
<td></td>
<td>$35,504.32</td>
<td></td>
</tr>
<tr>
<td></td>
<td>$19,284.69</td>
<td></td>
</tr>
<tr>
<td>▼ Savings</td>
<td>$27,472.05</td>
<td></td>
</tr>
<tr>
<td></td>
<td>$27,472.05</td>
<td></td>
</tr>
<tr>
<td>▼ Investments</td>
<td>$3.56</td>
<td></td>
</tr>
<tr>
<td></td>
<td>$3.56</td>
<td></td>
</tr>
<tr>
<td>Liabilities</td>
<td>$0.00</td>
<td></td>
</tr>
<tr>
<td>Net Worth</td>
<td>$82,264.62</td>
<td></td>
</tr>
</tbody>
</table>

Steve Uerling
918.836.0271
steve.uerling@leeandbrowne.com

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
918.382.6276
kristinl@aaron.com
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
918.232.7654
jblair@harrisonenergy.com

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.
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
giredbird@yahoo.com
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.

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.

Jacob Koch
918.836.0271
Jacob.Koch@LeeandBrowne.com

Eric Mulliniks
918.382.6432
ericm@aaron.com
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 provided 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 Mullliniks, provided an update. MP will cohost the Oktoberfest event with YEA. Eric need to provide a photo for the newsletter. Mike Beda requested member numbers from Eric.

RP: Kristin Long updated 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 website.

There was no new business.

Duane adjourned the meeting at 5:20 pm.
MEETING MINUTES

Recording of Minutes

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

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.

Mark your calendars now for CRC!

Keith Averitt
918-624-1005
kaveritt@eei-ok.com
## NEOK Season Pass Order Form

<table>
<thead>
<tr>
<th>Option</th>
<th>Name / Firm</th>
<th>Qty</th>
<th>Price</th>
<th>Total Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Individual Booster Ticket</td>
<td></td>
<td></td>
<td>@ $175</td>
<td>$</td>
</tr>
<tr>
<td>Corporate Booster Ticket</td>
<td></td>
<td></td>
<td>@ $200</td>
<td>$</td>
</tr>
<tr>
<td>Corporate Booster Meals</td>
<td></td>
<td></td>
<td>@ $25</td>
<td>$</td>
</tr>
<tr>
<td>Student Booster Ticket</td>
<td></td>
<td></td>
<td>@ $175*</td>
<td>$</td>
</tr>
<tr>
<td>Student Booster Meals</td>
<td></td>
<td></td>
<td>@ $25*</td>
<td>$</td>
</tr>
</tbody>
</table>

* 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

<table>
<thead>
<tr>
<th>Important Dates</th>
<th>Meeting</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>September 11, 2019</td>
<td>Golf Tournament</td>
<td>LaFortune Golf Course</td>
</tr>
<tr>
<td>September 19, 2019</td>
<td>Board of Governors</td>
<td>McNellie’s South City</td>
</tr>
<tr>
<td>October 2, 2019</td>
<td>Chapter Meeting (Lunch)</td>
<td>Tulsa Country Club</td>
</tr>
<tr>
<td>October 10, 2019</td>
<td>Board of Governors</td>
<td>McNellie’s South City</td>
</tr>
<tr>
<td>November 6, 2019</td>
<td>Chapter Meeting (Lunch)</td>
<td>Tulsa Country Club</td>
</tr>
<tr>
<td>November 19, 2019</td>
<td>Board of Governors</td>
<td>McNellie’s South City</td>
</tr>
<tr>
<td>December 4, 2019</td>
<td>Chapter Meeting (Lunch)</td>
<td>Tulsa Country Club</td>
</tr>
<tr>
<td>December 10, 2019</td>
<td>Board of Governors</td>
<td>McNellie’s South City</td>
</tr>
<tr>
<td>January 15, 2020</td>
<td>Chapter Meeting (Lunch)</td>
<td>Tulsa Country Club</td>
</tr>
<tr>
<td>January 21, 2020</td>
<td>Board of Governors</td>
<td>McNellie’s South City</td>
</tr>
<tr>
<td>February 13, 2019</td>
<td>Chapter Meeting (Dinner)</td>
<td>Tulsa Country Club</td>
</tr>
<tr>
<td>February 18, 2020</td>
<td>Board of Governors</td>
<td>McNellie’s South City</td>
</tr>
<tr>
<td>February 1-5, 2020</td>
<td>ASRHAE Winter Conference</td>
<td>Orlando, Florida</td>
</tr>
<tr>
<td>March 4, 2020</td>
<td>Chapter Meeting (Lunch)</td>
<td>Tulsa Country Club</td>
</tr>
<tr>
<td>March 10, 2020</td>
<td>Board of Governors</td>
<td>McNellie’s South City</td>
</tr>
<tr>
<td>April 1, 2020</td>
<td>Chapter Meeting (Lunch)</td>
<td>Tulsa Country Club</td>
</tr>
<tr>
<td>April 7, 2020</td>
<td>Board of Governors</td>
<td>McNellie’s South City</td>
</tr>
<tr>
<td>April 23-25, 2020</td>
<td>CRC</td>
<td>Houston, Texas</td>
</tr>
<tr>
<td>May 6, 2020</td>
<td>Chapter Meeting (Lunch)</td>
<td>Tulsa Country Club</td>
</tr>
<tr>
<td>May 12, 2020</td>
<td>Board of Governors</td>
<td>McNellie’s South City</td>
</tr>
<tr>
<td>June 27-July 1, 2020</td>
<td>ASRHAE Annual Conference</td>
<td>Austin, Texas</td>
</tr>
</tbody>
</table>

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

# 2019/2020 NEOK PAOE Points

![Bar chart showing 2019/2020 NEOK PAOE Points]
2019/2020 Chapter Volunteers

**Officers**

- President: Duane Harman, 918-382-6173, duaneh@aon.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@eeiok.com

**Board of Governors**

- BOG: Brian Biggerstaff, 918-219-4030, bbiggerstaff@eeiok.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@aon.com
- Attendance/Reception: Pam Dunlap, 918-587-4747, pdbdunlap@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, gredbird@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@aon.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@aon.com
- Research Promotion: Vacant
- Special Events Co-Chair: Duane Harman, 918-382-6173, duaneh@aon.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@thenergy.com
- Webmaster/ECC: Matt Petersen, 918-282-7731, petersemathew@gmail.com
- YEA: Jason Blair, 918-232-7654, jblair@harrisonenergy.com