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UPCOMING EVENTS

- January 15th:
 Chapter Meeting
 (11:30 a.m. Lunch)
 at Tulsa Country
 Club
- Board of Governors (4:00 p.m.) at McNellie's South City

Welcome!

Grassroots Government Advocacy Committee, GGAC, is a chapter committee that ASHRAE started back in 2013-14. From the website, "The Government Affairs Committee is responsible for organizing ASHRAE members to educate local, state, provincial, and national government bodies and officials in areas of interest to ASHRAE members. The committee works to coordinate government affairs efforts and is responsible for developing the extent and manner in which ASHRAE implements and pursues actions to influence government affairs and public policy." The NEOK GGAC committee has been a leader in setting the path forward for chapter operations for society. Chad Smith started the charge by holding the committee chair position back when it started in the NEOK chapter. Todd Lester took over and led the charge up until last year. Garen Ewbank now holds the chair position for this chapter year. Chad Smith currently serves as the RVC for GGAC in Region VIII.

The NEOK chapter started a "Day on the Hill" with the Central Oklahoma chapter. Every year in March, the two chapters meet for the Day on the Hill event. At the event, individual chapter members can voluntarily schedule a time to meet with their House Representative and Senator. NEOK usually averages sending ten members each year. When meeting with the legislative members, we share the ASHRAE message and offer to assist with issues related to legislation that impact the construction industry as related to HVAC codes and standards. When we first started this effort, I remember everyone being green and uncertain about what to do. I met with my two legislators and both were in their first terms in office. They were green and a little uncertain too. Over the past six

years, I have been fortunate enough to have the same two legislators stay in office and have developed a better relationship with them. They remember me (and ASHRAE) and are open to engaging in conversations. We talk about more than just HVAC and construction. We talk about the general needs and current hot topics happening in the state.

(continued)



Duane Harman Chapter President



President's Message, continued

This year we are finally seeing the fruits of our efforts after working on this over six years. Garen and Chad are actively working on legislation with Senator JJ Dossett to add up to two members to the Oklahoma Uniform Building Code Commission (OUBCC) that will represent the HVAC engineering and contracting community. We are actively working on the OUBCC to update the IECC from 2006 to 2015. Garen has attended several OUBCC meetings this year and has gathered support from other groups that share a similar interest such as AEEOK and Oklahoma AIA. Garen has also been in contact with the Secretary of Commerce. At the January chapter meeting, we will have two Senators from the Tulsa area presenting to our chapter.

In this message, I wanted to convey the work and effort that our NEOK ASHRAE chapter members have contributed to this committee. I'd like to recognize the key individuals that have really moved these efforts forward. There has been a lot of volunteer time and effort to make our industry better at the state level. Our committee works to give us a voice in the matters that are important to our industry. I encourage our members to get involved and help support the efforts. Learning about how our government works and functions (or doesn't function) is important to all of us. Having a voice in the conversation matters.

Duane Harman

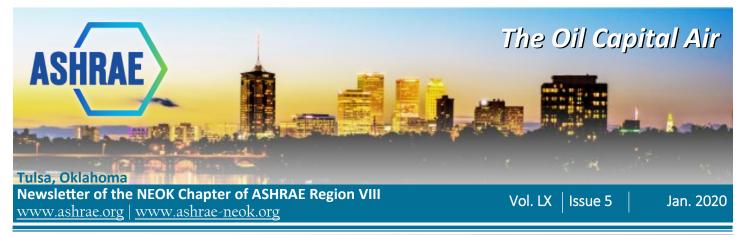
RESEARCH PROMOTION

By Duane Harman

In December our chapter made our mid-year contribution of \$12,000 to ASHRAE Research to meet our goal to have contributed 30% of our total annual goal by the end of the calendar year. Thank you to all donors who help make cutting edge industry research possible!

Duane Harman 2019-2020 Chapter President

DuaneH@aaon.com



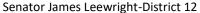
CHAPTER TECHNOLOGY TRANSFER

By Matthew Simmons

Thank you to everyone who attended our last Lunch meeting where we had an informative presentation from James Livingston on Life Safety Dampers. For our next Lunch meeting, we will be welcoming Oklahoma State Senators James Leewright and Dave Rader with an update on new Commercial Property Assessed Clean Energy (C-PACE) Program and Energy Industry in Oklahoma. This program allows individuals and corporations to fund building efficiency improvements through their property taxes instead of paying for the full cost up front. James Leewright has a BS from OSU and an MBA from Oklahoma City University. Sen. Leewright was

elected to Oklahoma House of Representatives in 2014 and has served as a senate member from 2016 to present. Dave Rader has a BSME from the University of Tulsa and has been a Senate Member from 2016 to present. Mr. Leewright and Mr. Rader were co-authors of Oklahoma Energy Independence Act, (SB1000) which created the C-PACE Program and was signed into legislation in May, 2019. Meeting will be January 15th at 11:30am at Tulsa Country Club (701 N. Union Ave, Tulsa, OK). Please RSVP and bring a guest.







Senator Dave Rader-District 39

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 infor-

mation 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.





GGAC By Garen Ewbank

The following is an overview of what has been done to update the energy code(s) in Oklahoma. ASHRAE has now placed this on a schedule to get changes in Oklahoma. The legislative route seems the only viable path and it is process.

STATE OF OKLAHOMA

2nd Session of the 57th Legislature (2020)

SENATE BILL NO. ____ By: Dossett

AS INTRODUCED

An Act relating to the Oklahoma Uniform Building Code Commission; amending 59 O.S. 2011, Section 1000.21, as amended by Section 2, Chapter 223, O.S.L. 2014 (59 O.S. Supp. 2019, Section 1000.21), increasing the membership of the Commission; adding certain members; providing for initial appointment within certain time; providing an effective date; and declaring an emergency. Section 1. considers changing to thirteen members from eleven by adding:

f. one member who is a contractor from a statewide organization that represents mechanical engineers and k. one member who is a licensed mechanical engineer from a state-recognized professional engineering firm

These are the changes Senator Dossett has in his proposed bill and this comes from our governmental chairs in Tulsa and OKC and regional director along with contributing ASHRAE members and other associations in Oklahoma. This is the first real change at the OUBCC and we wish to thank Senator Dossett.

Garen Ewbank 405.826.8156 ewbank@geotctest.com



REFRIGERATION By Eric Mulliniks

Now that we head into the second half of our chapter year, we are getting ready to announce details for our refrigeration tour at AAON's Norman Asbjornson Innovation Center. Let us know if you want to be involved in planning this and any other refrigeration activities!

Eric Mulliniks 918.382.6432 ericm@aaon.com



TREASURER REPORT

By Steve Uerling

Net Worth — As of 12/31/19

(Includes unrealized gains) As of 12/31/19

Account		December 2019
•	Assets	\$73,017.08
•	Cash	\$45,541.47
	BOK - Checking	\$26,256.78
	BOK - Investment	\$19,284.69
▼	Savings	\$27,472.05
	Jack Tumilty Schol	\$27,472.05
▼	Investments	\$3.56
	NEOK ASHRAE	\$3.56
	Liabilities	\$0.00
Net Worth		\$73,017.08



Steve Uerling 918.836.0271 eandbrowne.com

SOCIAL MEDIA

Please remember to go "Like" NEOK ASHRAE on Facebook & join our group on Linkedin. These are good places to get reminders of our upcoming meetings and events. We also from time to time post photos of our special events like the golf tournament, fundraising auction, and skeet shoot. Come join!



Click on one of these logos to visit our pages.





YEA By Jason Blair



We are currently planning new YEA events for the second half of our chapter year, and we welcome your ideas. Where would you like to get together or what would be a fun activity? Let me know!

Jason Blair 918.232.7654 jblair@harrisonenergy.com

Mark your calendars now for CRC!



ASHRAE® REGION VIII

HONORS & AWARDS

By Mike Beda

We have started a new year and our ASHRAE year is into its last 6 months. Currently, I have only one tentative candidate for the Chapter Service Award. I can also use more. Contact me if you think you might be eligible.

I encourage the current and past Officers and Board of Governors members to update their Bio. Please drop me an email if you have made the update.

Mike Beda 918.706.8309



HISTORY By Gene Redford

Since I worked for this company over 30 years, I thought of sharing this article about one of our local mechanical contractors who the young engineers most likely know nothing about, plus there are some people who will not even remember their name. I was just one of many who worked for this company for many years and was able to hang on until I retired from them in 2005, as they were bought out.

Tulsa has several companies over the past 50 plus years who were very involved in the HVAC industry, AAON is another one, who arose out of the John Zink Industry, etc.

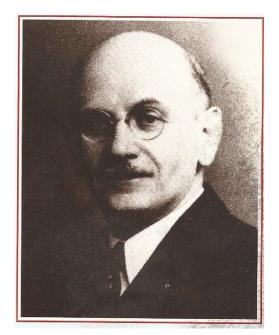
This article was in the Natkin 80th year anniversary company newsletter, which I still have.

Benjamin Natkin, graduated from the Armour Institute of Chicago as a ME in 1908 and started Natkin Engineering Company on West 10th Street in Kansas City, MO. In those days, the manufacturer's representatives would prepare detailed plans and specifications on projects.

Through the era of World War I, Natkin's success grew rapidly. From its headquarters in Kansas City, the company opened

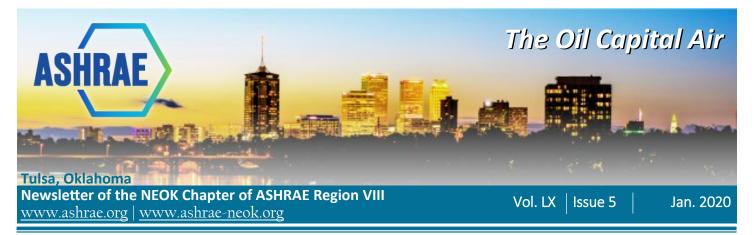
branches in Omaha, Tulsa and Wichita, establishing strong midwestern roots that would later bear fruit. During the twenties Natkin entered the contracting field and became involved in a variety of installations. Later Natkin became seriously interested in a blossoming new field (air conditioning), which at this time the term A/C had yet been coined and the subject was primarily theoretical.

Working with Westinghouse Electric and Manufacturing Company, Natkin and its strong engineering capabilities pioneered a number of innovations, many of which, in one form or another, are still in use today. The company produced the first package air conditioning units and held patents on freon coils for freon distribution, portable pipe bending machines, evaporative condensers to ventilate space adjacent to air conditioning installations; and it was the first to develop pipe and sheet metal prefabrication techniques.



Benjamin Natkin

Continued...



HISTORY (continued)

By Gene Redford

In the 1930's two significant events took place to forever change the company. The first was the expansion into St. Louis in 1935 where the package air conditioning units were produced. This proved to be a springboard for the company as it began to move away from the manufacturer's agency business and into sales and installation of air conditioning. Also, at this time Westinghouse began developing a line of air conditioning equipment and appointed Natkin as their exclusive representative and distributor in the Midwest.

By 1937 Natkin was devoting its full attention to the sale of air conditioning and beginning to explore the piping and plumbing fields.

The second significant event, in 1938, saw Ben Natkin take into partnership seven men who had been with him through the early good and bad times of Natkin Engineering Company; Henry Gould, Henry Kleinkauf, Alfred Natkin, Bertram Natkin, Emil Haas, Sam Shure and Sidney Pines.

In the years following World War II, the air conditioning field became dominated by mechanical contractors. The demand for all facets of mechanical design and installation skyrocketed as the country's greatest economic days began to take form. A number of Natkin's employees who fought in the war returned to their work with the company and a decision was made to expand.

Between the years of 1943 and 1959, Natkin & Company opened seven offices in Houston, Lincoln, Denver, Tulsa (reopened after the depression), Dallas, San Jose CA and Beaumont TX. At this time a decision by the partners to become a corporation. Thus, on May 23, 1947 Natkin & Company was duly incorporated in the state of Missouri.



Company vehicle



HISTORY (continued)

By Gene Redford

Through 1959 the company operated service departments in each of the offices for the servicing and repairs of mechanical systems they were installing. It was determined that this was a need so different from contracting the company set up individual service departments in each office in 1960. Again around 1974 they separated the service departments from the contracting company and named Jerry Braun (a local engineer from the Tulsa office) as the president of all the Natkin Service office around the country.

In 1979, Natkin & Company was reported by Engineering News Record to be the largest mechanical contractor in the United States. Over the next several years Natkin/Fischbach were involved in many large projects all over the country such as Epcot Center in Florida, several casinos in Las Vegas, etc. Not many people will remember the Tulsa Natkin office installed the underground piping for the central plant loop for the downtown Tulsa buildings, and they were also involved in some of the lock and dam sites from the Port of Catoosa.

As most things happen Natkin soon merged with Fischbach and Moore, which lasted for 10 plus years then AGI acquired them and all the companies broke up and were bought by other companies, until finally the Natkin name disappeared



Natkin employees

from site. I was the last district service manager for the Tulsa branch when York took over and changed the name to York. It was only a couple of years until Johnson took over York and another name change took place.







STUDENT ACTIVITIES

By Jacob Koch

Our next ASHRAE Student Activities presentation will be at OSU-Okmulgee, at a time and date to be decided. Please let me know if you would like to participate!



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



Jacob Koch 918.836.0271 Jacob Koch@LeeandBrowne.com

MEMBERSHIP PROMOTION

By Eric Mulliniks

The start of the new year is a great time to renew your ASHRAE membership!

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 918.382.6432 ericm@aaon.con



MEETING MINUTES

By Keith Averitt

Recording of Minutes

<u>Chapter:</u> Northeastern Oklahoma Chapter 069 <u>Meeting Date:</u> December 10, 2019

Meeting: December 2019 BOG Compiled By: Claire Farr

The NEOK December BOG Meeting was held at McNellies South City. Chapter President Duane Harman called the meeting to order at 4:14 PM.

Special Thanks: Thank you to ES2 for sponsoring appetizers and drinks.

President: Duane Harman

- Duane needs to update his President role with Society
- Mike will follow up on Chapter Service Award

President Elect: Claire Farr

- BOK and checkbook have been handed over to Steve
- Next step: go through audit with Chad ASAP and handover the Quiken file to Steve
- Newsletter articles due by December 18th

Treasurer: (Not present, update from Duane)

- Has checkbook
- 9 people RSVP'd for the meeting and did not show. Therefore, we had to pay for 7 meals that went unused to meet our minimum. (Ray volunteered to pay for the meal he RSVP'd for and missed.)
- Duane suggested we send the individuals and invoice but don't book the invoice in Quiken until we know whether they will agree to pay. Use the Paypal link to pay online.
- Budget: Add \$100 for Honors if possible

Secretary: (not present)

We need meeting minutes submitted for approval via email ASAP

YEA:

- Jason is watching his emails for new YEA members.
- Next event will probably be in January

Discussion: How to handle Gmail recipients

ECC chair should keep the Gmail address book up to date based on input from the Membership chair

CTT Chapter Programs: Matt Simmons

Next speaker is Senator Lee Wright and possibly another senator, speaking on C-PACE

Membership Promotion: Eric Mulliniks

- We have a lot of lapsed members all of a sudden now that we are at the nd of the calendar year. Eric will reach out. At the next BOG, Eric will bring a list and ask BOG members to contact the people they know.
- Golf event being planned

Research Promotion:

- Kristen has stepped down. Seeking new RP chair.
- After the first of the year, Duane will try to get the AAON donation and schedule when to do the recognition (with photos), maybe at the March meeting.

Special Events:

Duane will start working on the auction, with help from his new colleague at AAON

(continued...)



MEETING MINUTES (continued)

By Keith Averitt

Student Activities: Jacob Koch

- Will go to OSU Okmulgee next.
- Maybe we should switch and no longer ask people to physically mail in their scholarship applications.
- We should update the Student Activities page on the website to make it easier to reach Jacob, thereby encouraging scholarship inquiries

GGAC: Garen Ewbank

- Provided update on activities at OUBCC. Fire Marshalls wield a lot of power and have been resistant to updating the energy codes. We have participation in these discussions from ASHRAE, AEWE, and AIA. We are approaching the Secretary of Commerce and State Senators. Our goal is to update to 90.1, 2016. Even surrounding states in the region are at 2013.
- Reminder to support C-PACE. We discussed whether the chapter (or individual member companies) would like to sponsor the efforts by INCOG to implement the C-PACE program. This would cost \$2500, and maybe could be split into ten \$250 donations. The goal would be to proceed with this in 60 days. The sponsors get some unspecified level of input on the program.

Attendance: Pam Dunlap

• 34 attendees at December chapter meeting

.Honors and Awards: Mike Beda

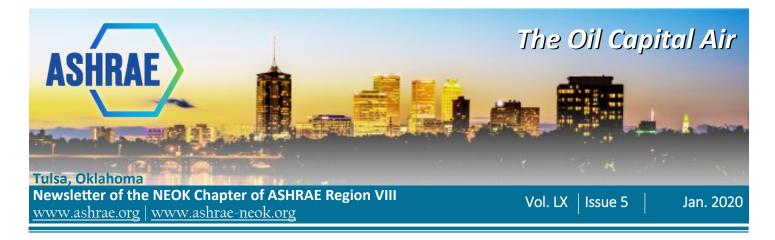
- Duane might qualify for Chapter Service Award.
- Maybe Keith Browne and/or Norm Asbjornson could become ASHRAE Fellows. Garen and Eric volunteered to help pursue some sort of ASHRAE award for Norm.
- We will induct 1 or 2 people into the NEOK Hall of Fame this spring, then it will just be 1 annual inductee thereafter.

New Business:

• Mike Beda: Society is looking for RVCs for CTTC, RP, and YEA. These positions would start in 2021 and serve through 2024. Candidates would be people who did well at the chapter level. RVCs are required to attend society meetings.

Meeting was adjourned at 5:19 pm.





NEOK Season Pass Order Form

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

^{*} 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

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 23-25, 2020

June 27-July 1, 2020

April 7, 2020

May 6, 2020

May 12, 2020

Important Dates

Golf Tournament **Board of Governors** Chapter Meeting (Lunch) **Board of Governors** Chapter Meeting (Dinner) **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

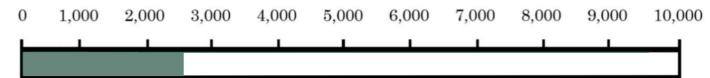
Meeting

LaFortune Golf Course 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

Location

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

Off: - - --

		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	jkarstetter@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	Stepfanie 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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