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UPCOMING EVENTS

- October 7th:
 Chapter Meeting
 (12:00 p.m.) online
- October 15th:
 Board of Governors
 Meeting (4:00 p.m.)
 at Cabin Boys Brewery

Welcome!

It is almost time for our first ever entirely online NEOK chapter meeting. We have done a test run and the service that ASHRAE Society offers through GoTo Meeting appears to be strong platform for online meetings. Despite our best efforts to prepare, members may have to be patient as we get unexpected kinks worked out. We have some great speakers planned for the year, some of whom might not have been possible if they had to physically travel to Tulsa the usual way. Plan to grab your lunch and <u>log in</u> a little before noon. Special thanks to Matt Petersen for taking on the setup of our new online format; this is extra work above the usual job description of Chapter Webmaster.

I know many of you may be disappointed to miss out on getting together for meals, social time, and drinks. With that in mind, I encourage you to read the YEA section below and take note of the flyer that has gone out by chapter email. It is always the case that all members are welcome to come to YEA events, and not just the 35-and-under members who are the reason YEA exists. But this time we would encourage any member, including those of us who are (well) over 35, to attend if you are comfortable. We will keep things outside as much as possible and practice City of Tulsa requirements for masks and distancing when inside. There are lots of outdoor tables and at least one food truck. I look forward to seeing some of you there. We are calling it an Oktoberfest event because sadly but understandably, the great tradition of Tulsa's Oktoberfest has had to be canceled this year.

Last month I mentioned the ASHRAE resources web page for covid-19. There is some excellent

information here, in a well organized format. Some of it is pretty specific, such as filtration recommendations. It seems to me that our challenge in the HVAC business is explaining to people that a best practice is risk reduction, not risk elimination, and that we can never really create an indoor environment that is as safe as being outdoors and spaced apart. The general public will not automatically realize that even with a central HEPA filter, a respiratory droplet needs to get to the filter for it to work. An HVAC system can't protect against people coughing directly on each other.



Steve Uerling Chapter President



President's Message, continued

At the same time, inadequate ventilation can absolutely make the spread of infection worse indoors. We just have to manage the expectations of our clients as usual.

Here is a link to one particular article that includes the example of a well-studied restaurant in China. Maybe you have heard this story, but it was really interesting who did and did not get infected. There are a lot of other good case studies and explanations in this article as well.

Thanks,

Steve Uerling

Steve Uerling 2020-2021 Chapter President

Steve.Uerling@leeandbrowne.com

RESEARCH PROMOTION

By Jason Blair

Thank you to all who came out to support our chapter at the ASHRAE Golf Tournament earlier this month. The participation and donations allow us to get a strong head start to meeting our chapter goals for the year.

To make your annual ASHRAE Research Promotion contribution, please contact me by phone or email below. You may also visit the <u>Research Promotion website</u> and make a donation easily there.



Thank you for your support!

Jason Blair 918.232.7654 iblair@harrisonenergy.com



CHAPTER TECHNOLOGY TRANSFER

By Rachel Spitler

Our October 7 meeting's presentation will be by David Rausch; he will speak on "Healthcare Critical Environments: Planning and Maintaining Hospital Air for Pandemic, Isolation, and Infection Situations". David will discuss airflow control alternatives for healthcare pandemic and isolation spaces to better prepare for a future outbreak. This meeting will take place online via GoToMeeting, and you can join by <u>clicking here</u>.

Looking ahead, our November meeting will be November 4; the speaker will be Tony Abate. Tony will speak on different technologies for attaining indoor air quality standards, such as ionization, filtration, and electronic air cleaners.

One thing both our October and November speakers have in common is their service to ASHRAE through work on technical committees (TCs). ASHRAE has over eighty TCs responsible for programs, research, standards, and ASHRAE handbook chapters. The NEOK chapter has over twenty members who also serve ASHRAE in this way (and through work on other ASHRAE committees, such as Standing Standard Project Committees). If you are not already aware of the breadth and depth of ASHRAE's TCs, I would encourage you to take a look at the full list of committees here. You may find one

you want to join!

Finally, a reminder to check out <u>ASHRAE's online instructor-led courses</u> if you are in need of some training; there are seven in October after our chapter meeting.

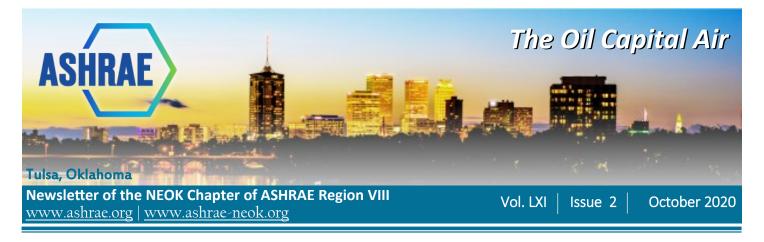
Rachel Spitler 918.346.6836 RSpitler@cyntergy.com



ASHRAE® REGION VIII

Save the date!

Region 8 CRC is tentatively scheduled for April 22-24, 2021, in Monterrey, Mexico!



STUDENT ACTIVITIES

By Jacob Koch

Jacob Koch here with a Student Activities update. I am working on an event with the Girl Scouts of America to promote engineering and the understanding of the importance of indoor air quality. Details of the event will be in the next newsletter.

Remember, there are three scholarships available through NEOK ASHRAE. NEOK college student scholarships will be given to two Tulsa area college students each year. Both students will be selected from applications received from the University of Tulsa, Oklahoma State University-Tulsa, or Oklahoma State University-Okmulgee. The scholarship amounts shall be \$800 each for two recipients. Also there is a \$1000 scholarship in the name of Tulsa engineer Jack E. Tumilty 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 annually 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, please direct them to the NEOK ASHRAE website.



Jacob Koch 918.836.0271

Jacob.Koch@LeeandBrowne.com

REFRIGERATION

Keep in mind that ASHRAE publishes a number of resources related to refrigeration. You can find out more about them on the main <u>Refrigeration page</u> of ASHRAE.org. Here is a sample:

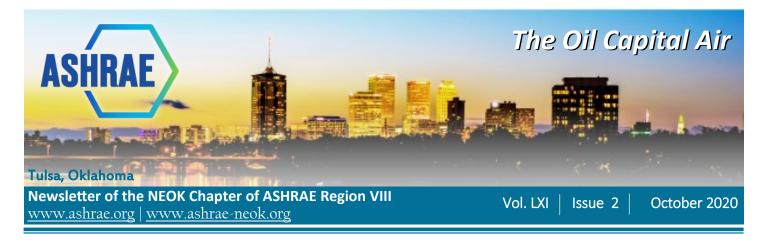
ASHRAE Handbook - Refrigeration

ASHRAE Handbook - Fundamentals, Chapter 2

ASHRAE Handbook - Fundamentals, Chapter 29

ASHRAE Handbook - Fundamentals, Chapter 30

ASHRAE Handbook - Fundamentals, Chapter 31



SPECIAL EVENTS

By Nolan Chance

I wanted to thank everyone who participated and sponsored the NEOK ASHRAE Golf Tournament this year! We were very pleased with the turnout and the weather for the event!

Congratulations to the below winners! I have the prize money at my office, you can call, text or email me to coordinate picking it up. I also have the traveling trophy for the winning team.

1st place - Team #57 Blair, Clifford, Crenshaw, and Lopez (\$400)

Closest to the Pin - #6 S. Crenshaw (\$100) and #15 Alan Kizer (\$100)

Longest Drive - #5 Scott Tucker (\$100) and #17 S. Crenshaw (\$100)

Putting Contest - Eric Robbins (\$50)

Awards can be picked up at Midwest Machinery at 1442 E. 3rd St., Tulsa, OK 74120

Nolan Chance 918.877.6000



HONORS & AWARDS

visit Honors & Awards page on the ASHRAE website.

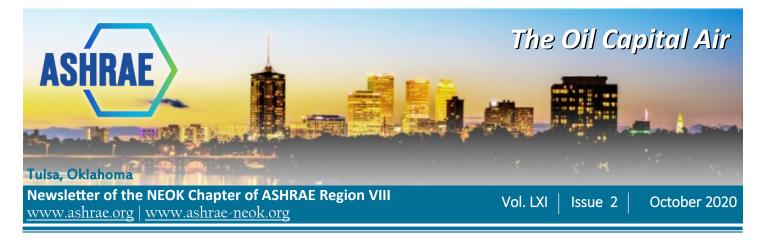
By Mike Beda

For those of you Chapter members that have worked on a committee as a member, co-chairman or chairman, I need for you to go into the ASHRAE website and enter your individual bio information. If you need help getting started, please call or text with your questions.

For those of you that serve on Regional and Society level committees, I need you to review and update your ASHRAE bio. As of year 2000 to present day, the Staff has automatically inputted your committee positions and assignments. Please review this data to make sure it is correct. Prior to the year 2000, you will need to enter your activities since you joined ASHRAE. This will allow some of you to be eligible for the Distinguished Service and/or Exceptional Service Awards. If you need information on these awards, please

Mike Beda 918.706.8309

mikebeda1945@vahoo.com



ELECTRONIC COMMUNICATIONS

By Matt Petersen

I am glad to be back in the Electronic Communications chair position. I have already started numerous updates to how we work. Just an update to all of our email recipients, I have established a procedure that should allow me to maintain our distribution lists for mailings. This includes our Evites as well. I have included in our outgoing emails a signature that provides a link that allows you to update your email address or unsubscribe from our mailings. If you do need to update, please use the link and in the subject line put the word "update" or "unsubscribe". With this new process we will have one email address database to maintain since Evite allows us to import directly from Gmail. See our new signature:

"You are receiving this email because you have requested at one time to receive emails from the NEOK ASHRAE Chapter. If you do not wish to receive further communications like this, please click UNSUBSCRIBE and put the word "unsubscribe" in the Subject Line. If you would like to continue receiving our emails but need to update your email address please click CHANGE EMAIL and put the word "update" in the Subject Line. Please note that it may take up to 30 days to process your request."

My other new policy is that if your email is being rejected for any reason, I will note it and monitor that address for further rejections. After three rejections I will remove that email address from our distribution list. You will not notice this since it is being performed in the background, but it helps us keep a current listing of emails.

I have updated our <u>Schedule of Events page</u> on our website showing all upcoming events. Note that the first few meetings are going to be virtual and I am working with Society to use GoTo Meeting. When it is time for the chapter meeting, you will join using <u>this GoToMeeting link</u>. I have also updated our <u>Newsletters page</u> where you can access previous years newsletters. My next goal is to update the Past Presidents page. So with that, let us have a great year!



Click on one of these logos to visit our pages.





Matt Petersen 918.978.9543



GGAC By Garen Ewbank

We are kicking off the year in government advocacy picking up where we left off last year. If you will recall, the NEOK and Central OK chapters worked together to get legislation sponsored to add requirements to the OUBCC that at least one member be a licensed engineer to properly represent our industry's interests. That legislation didn't make it out of committee, but we are again working with legislators to get new legislation sponsored in the upcoming legislation session. Additionally, we are continuing our efforts to get the IECC portion of the International Code Council included with the adoption of the other code sections currently adopted by the state. This will insure that most consistent code requirements as all of the sections will be based on the same year of adoption.

We are also turning our sights toward providing assistance and guidance to local municipal governments as well as public school boards regarding some of the information ASHRAE's Epidemic Task Force has issued regarding reopening and maintaining healthy buildings. This will likely take place both in person as well as virtually. If you are interested in learning more about this and participating, please email Garen Ewbank or Chad Smith (chad@airetechcorp.com).

Garen Ewbank 405.826.8156 ewbank@geotctest.com

YEA By Brian Biggerstaff

Please see attached flyer for information on the upcoming ASHRAE Oktoberfest event!

All Chapter members are invited, not just members of YEA. We will do our best to stay outdoors when possible and mask policies as well as social distancing guidelines will be adhered to.

Hope to see you there!

Brian Biggerstaff 918.624.1005 bbiggerstaff@eei-ok.co

NEOK ASHRAE OKTOBERFEST

ORGANIZED BY YEA AND MEMBERSHIP PROMOTION



Cabin Boys Brewery 1717 E 7th Street, Tulsa OK 74104 October 15th @ 4:30 PM – 7:00 PM

1907 Barbecue Food Truck will be available



Questions? Please Contact: Brian Biggerstaff Cell 918-219-4030 Zach Seizinger Cell 918-406-9130



Sponsored By:





HISTORY By Gene Redford

Thought I would try a different approach to history this month and hope to get some interest from others about the subject of HVAC that we have spent many years of our life in.

I have approximately 58 years in this industry and notice most of the people I have met got into HVAC through some kind of help from parents, etc. I did not have anyone to guide me and it seems my introduction into this industry was kind of by chance. I took architectural drafting in high school with the hope of working in that field after graduation, but with no chance of college I joined the Army. During my time in Germany I became acquainted with someone who recognized my high school senior ring from Central. We became friends and I when I was due to be discharged I told him I would drop by his house to meet his parents when I returned to the states. This is when I met Bill Short PE, an electrical engineer sharing an office with Jack Tumilty (Collins Engineering Co.). He said Jack was looking for some help so I stopped in and met Jack and showed him some drawings I did in high school and was hired on the spot.

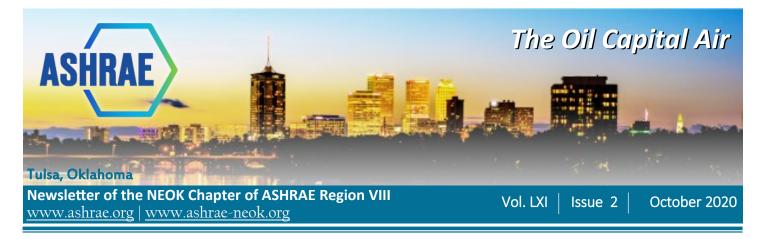
It did not take long for me to get hooked on the HVAC side of this business. Remember I was in school without air conditioning and we had a swamp cooler at home. Air conditioning was a word I knew nothing about. All I knew was it was cool in movie theatres and some restaurants, but had no idea how it worked.

Bill Collins provided in house training for me and a couple of individuals in the OKC office for several years and we had homework and our papers were graded. After that I was able to attend many other training programs put on by Trane and Carrier over the next several years. The more I learned about HVAC the more I was hooked on how everything comes together. Jack Tumilty PE and Tom Owens PE sponsored me so I could get certified as an Engineer Technician. I was able to go to school on the GI Bill and received an Associate Degree in Business in 1975.

One way I have always looked at our industry is the architects design the facility but what we do is make the building work. Without HVAC, Plumbing and Electrical you have a nice facility but that's all. When you look back over the past 50-plus years since our industry has advanced, buildings have become much more than just another building. Our industry has provided them with a brain in some ways.

When you think about it, we do a lot of work between when a building is designed and when the occupants can walk into a facility and have all the necessary things in their right places, installed by so many different people working on their part of the project. sometimes think the general public has no appreciation on what it takes to put these facilities together and what is behind the

(continued...)



walls or above the ceilings to make their lives comfortable. To this day, I think I have been lucky to have spent my entire career in one industry, and I have enjoyed every minute of it. I would like to hear from others about how they came into this industry. I still find it a very challenging industry with new things all the time. We need to continue to find ways of getting young engineers to get on board and get hooked as I did.

Gene Redford 918.346.0444

glredbird@yahoo.com

MEMBERSHIP PROMOTION

By Eric Mulliniks

Chapter reports for the month of May show that there has been an increase in local membership.

We currently have 194 members, 189 of which are non-student members. I have received several lapsed member notifications and have sent emails prompting these members to renew their memberships.

I am excited to announce that we have an upcoming event in a couple of weeks. YEA and Membership Promotion are teaming up for an Oktoberfest celebration at Cabin Boys Brewery in Tulsa. BBQ will also be available from the 1907 BBQ food truck on site. This event is taking place on October 15th from 4:30 p.m. until 7:00 p.m. Cabin Boys Brewery is located at 1717 E. 7th Street in Tulsa, OK.

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 log into www.ashrae.org and check your membership status and renewal date, and 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.com

TREASURER REPORT

By Keith Averitt

I have reported that the total amount collected for the 2020 golf tournament was \$15,824.78.

Keith Averitt 918-624-1005 eritt@eei-ok.com



MEETING MINUTES

By Matt Simmons

Recording of Minutes

Chapter: Northeastern Oklahoma Chapter 069 **Meeting Date:** September 24, 2020

Meeting: September 2020 BOG

Attendance: 13 **Compiled By:** Matt Simmons

<u>Attendees:</u> Matt Simmons, Steve Uerling, Keith Averitt, Brian Biggerstaff, Pam Dunlap, Claire Farr, Nolan Chance, Mike Beda, Jacob Koch, Steve Johnson, Matt Petersen, Jason Blair, Garen Ewbank.

The NEOK September BOG Meeting was held virtual VIA Microsoft Teams Chapter President Steve Uerling called the meeting to order at __4:35__ PM.

President: Steve Uerling

- Meeting dates are set till after January and will be virtual meetings.
- Tulsa Country Club are doing in person meetings if at some point we decide to return to in person meetings
- First three meeting locked into be online.
- All officers and chairs Please send MBOs to Steve Uerling as soon as possible.
- Any operating revenue that need to be charged for meetings and any update on meeting status?
 - Matt Petersen, updated that Virtual Chapter Meetings will be with Go to meetings thru national site, so no licensing will need to be obtained by the local chapter.
 - Matt Petersen, believes ASHRAE national organization we be the host but one of us will be in charge.
 - Need to be determined who the organizer will be thru Go To Meeting.
 - Meeting structure will be similar to in person meetings. Steve will start and pass off to all chairs that need to make announcements than to speaker and closed by president. Keep it simple. Now in advance who will use video and who needs a head shot displayed.
 - Recommended we hold a mock meeting ahead of time so we are familiarly with the controls and hand off.
 - Send out a line up ahead of time with speakers in order and estimated time they will be speaking.
- Should we consider an in person social event.
 - Lets shoot for an October social event for YEA but also encourage all members to attend. Bigerstaff will work on putting that together. YEA/General social event
 - May try and group in October BOG meeting just before event.
 - Could be October fest theme.

President Elect: Claire Farr

• Newsletter articles due Wed September 30th



MEETING MINUTES (continued)

By Matt Simmons

- Make sure everyone required submits their article.
- Just a few sentences usually needed.
- Look at what might be required for points

Treasurer: Keith Averitt

• No official count on golf tournament, that is to come but had a good turn out.

Secretary: Matt Simmons

• Previous meeting minutes have been issued and approved. No additional items to discuss.

YEA: Brian Biggerstaff

• To look into a YEA/general social meeting venue with October fest theme as previously discussed in president section.

CTT Chapter Programs: Update from Steve Uerling on behalf of Rachel

• All meeting presenters for the first three meetings have been filled.

Membership Promotion: Eric Mullininks & Brian Biggerstaff

• No update.

Research Promotion: Jason Blair

- Jason has attended first 2 RP training sessions with a third session this to come.
- Planning on meeting with a past RP chair for some additional tips.
- Full circle donations are due November 15th.

Special Events: Nolan Chance

- Good turnout for the golf tournament with about 18.5 teams.
- Only about 2- or three-hole sponsorship not filled.
- For next year look at a earlier tee off time maybe an 8:30am
- Should think about start booking that know

Student Activities: Jacob Koch

• Looking into organize event with Girl Scouts of America to have an indoor air quality presentation.

GGAC: No Update

Sustainability: No update

Webmaster and Publicity/Social Media: Matt Petersen.

- Cleared up gmail list.
- Had a lot of rejected emails looking to clean up and update those email addresses for the most current contact info
- Updated website with all newsletter.
- Working on updating president section.
- Verified start time to be noon for the overall start of the chapter meetings to update web site regarding chapter online meetings.



MEETING MINUTES (continued)

By Matt Simmons

- Ashrae organizers want organizer on 30 mins prior to start time.
- OKC is doing in person meeting with possibility of go to meetings.
- Is on top of getting upcoming chapter meeting via Go To Meetings worked out.

Attendance: Steve Uerling on behalf of Pam Dunlap

- No badges needed for first few meeting due to online meetings.
- Will coordinate with Peterson on evites.
- For Online meetings need to make sure if attendees are sharing a computer to attend we get list of all attendees to keep accurate attendance record.

Awards: Mike Beda

• No update.

History: No Update

New Business: No Update

Meeting was adjourned at 5:36 pm.



Updated! Fundamentals of Ultraviolet Germicidal Irradiation (UVGI) for Air and Surface Disinfection

Monday

10:00 a.m. - 1:00 p.m. EDT

NEW! The Commissioning **Process and Stakeholder**

13 Oct 2020

12 Oct 2020

Tuesday

10:00 a.m. - 11:00 a.m. EDT

Management

Systems. 14 Oct 2020

Wednesday

1:00 p.m. – 4:00 p.m. EDT

NEW! Smart Grid Systems,
Applications and Integration
with the Built Environment

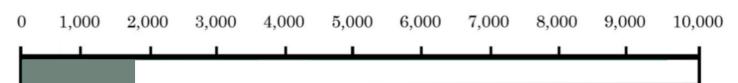


2020/2021 Calendar of Events

Important Dates	Meeting	<u>Location</u>
September 17, 2020	Golf Tournament	LaFortune Golf Course
September 24, 2020	Board of Governors	Online
October 7, 2020	Chapter Meeting (Lunch)	Online
October 15, 2020	Board of Governors	Cabin Boys Brewery
November 4, 2020	Chapter Meeting (Lunch)	Online
November 12, 2020	Board of Governors	Online
December 2, 2020	Chapter Meeting (Lunch)	Online
December 10, 2020	Board of Governors	Online
January 13, 2021	Chapter Meeting (Lunch)	Tulsa Country Club
January 21, 2021	Board of Governors	TBD
February 11, 2021	Chapter Meeting (Dinner)	Tulsa Country Club
February 18, 2021	Board of Governors	TBD
March 3, 2021	Chapter Meeting (Lunch)	Tulsa Country Club
March 11, 2021	Board of Governors	TBD
March 15-17, 2021	ASRHAE Winter Conference	Chicago, Illinois
April 7, 2021	Chapter Meeting (Lunch)	Tulsa Country Club
April 8, 2021	Board of Governors	TBD
April 22-24, 2021	CRC	Monterrey, Mexico
May 5, 2021	Chapter Meeting (Lunch)	Tulsa Country Club
May 13, 2021	Board of Governors	TBD
June 26-30, 2021	ASHRAE Annual Conference	Phoenix, Arizona

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

2020/2021 NEOK PAOE Points





2020/2021 Chapter Volunteers

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U	т	ce	rs

President	Steve Uerling	918-836-0271	steve.uerling@leeandbrowne.com
President Elect	Claire Farr	918-279-6450	cfarr@es2ok.com
Treasurer	Keith Averitt	918-624-1005	kaveritt@eei-ok.com
Secretary	Matt Simmons	918-258-6890	msimmons@eda-fki-engineers.com

Board of Governors

BOG	Brian Biggerstaff	918-219-4030	bbiggerstaff@eei-ok.com
BOG	Austin Barton	918-270-1414	barton.a@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	Steve.johnson55@cox.net

Committee Chairs

CRC Delegate	Duane Harman	918-382-6173	duaneh@aaon.com
CRC Alternate	Steve Uerling	918-836-0271	steve.uerling@leeandbrowne.com
Attendance/Reception	Pam Dunlap	918-587-4747	pbdunlap@matrixae.com
Audit	Chad Smith	918-665-6600	chad@airetechcorp.com
CTT/Programs	Rachel Spitler	918-346-6836	RSpitler@cyntergy.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
K-12 STEM	Cheyenne Reynolds	918-224-6560	creynolds@sapulpaps.org
Membership Promotion	Eric Mulliniks	918-382-6432	ericm@aaon.com
MP Co-Chair	Brian Biggerstaff	918-219-4030	bbiggerstaff@eei-ok.com
Newsletter	Claire Farr	918-279-6450	cfarr@es2ok.com
Nominating	Joel Karsetter	918-665-3974	jkarstetter@abscompanies.com
Publicity / Social Media	Matt Petersen	918-978-9543	petersenmatthewe@gmail.com
Refrigeration	Eric Mulliniks	918-382-6432	ericm@aaon.com
Research Promotion	Jason Blair	918-232-7654	jblair@harrisonenergy.com
Special Events Co-Chair	Nolan Chance	918-877-6000	nolanc@midwestmachinery.net
Special Events Co-Chair	Ryan Dunkerson	918-430-6793	rdunkerson@es2ok.com
Student Activities	Jacob Koch	918-836-0271	Jacob.Koch@Leeandbrowne.com
Webmaster/ECC	Matt Petersen	918-978-9543	petersenmatthewe@gmail.com
YEA	Brian Biggerstaff	918-219-4030	bbiggerstaff@eei-ok.com
YEA Co-Chair	Zachary Seizinger	918-998-0007	zseizinger@eei-ok.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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