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UPCOMING EVENTS

- **March 3rd:**
Chapter Meeting (11:45 a.m.) [online](#)
- **March 11th:**
Board of Governors Meeting (4:30 p.m.)
online

President's Message

Welcome!

It has now been almost exactly one year since many of us have been to any large in-person meetings with meals and social time. In fact, our chapter's last meeting at Tulsa Country Club was March 4, 2020, right before everything started shutting down. To me that seems like much longer than one year ago, when I never gave a thought to masks and only thought of the CDC when something like Ebola was in the news. But now things are looking more hopeful. Our COVID-19 cases have declined from their January peak, a quickly growing number of people are getting vaccinated, and a third vaccine has been approved to increase the supply in the pipeline. Knowing that a high level of immunity will take several more months, the NEOK chapter board has decided to finish out the 2020-2021 year with online meetings. This means March, April, and May chapter meetings will be online, in accordance with national level ASHRAE's similar decision regarding CRC and the summer meeting. We hope to resume meeting in person in October.

I hope you enjoyed our online auction – I was pretty happy with it. Last month was Research Promotion themed, as the auction is our second largest fundraiser of the year for ASHRAE Research, after the golf tournament. Special thanks to Mark Fly and AAON for an interesting virtual tour with great videos, pictures, and explanations that really worked well with the virtual format. Also, thanks to Mark and Duane Harman for coordinating 'commercial' breaks to hype our auction.

I will see you [online](#) for this month's meeting. Once again, we are pushing the envelope of technology (for us anyway) in having a joint meeting with three chapters. Why stop at adding a new online format when you can also add learning how to do an online auction and a live three-party joint meeting! We welcome back Pam Duffy, a Distinguished Lecturer who was



well received at our chapter last year. Please log in at 11:45 for what Pam is calling our chapter breakout session. In this part we will cover brief chapter business and then Mike Beda will introduce this year’s chapter Hall of Fame inductee. This will be Honors and Awards month. Promptly at noon we will end the breakout session and join the other chapters, where Pam will start the main program presentation. As always, feel free to drop me a line with any suggestions for adding value to our online format. Stay safe and see you all online!

Steve Uerling



Steve Uerling
2020-2021 Chapter President
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CHAPTER TECHNOLOGY TRANSFER

By Rachel Spitler

Thank you to everyone who attended our February meeting. Mark Fly with AAON gave us a virtual tour of the Norman Asbjornson Innovation Center. Our meeting also coincided with our first virtual NEOK ASHRAE Research Auction.

We are eagerly looking forward to our next meeting on March 3rd – this will be a joint virtual meeting with the Central Oklahoma and Central Arkansas ASHRAE chapters! We will be hearing a presentation from ASHRAE Distinguished Lecturer Pam Duffy on “Productivity from Anywhere”. The plan is to have a short breakout time prior to the presentation to go over NEOK chapter business and then start Pam’s presentation promptly at noon. You will need to [RSVP via this link](#) to access the Zoom meeting – please join us!

We hope you were able to participate in ASHRAE’s virtual conference a couple of weeks ago. Looking forward, the summer conference is still scheduled for June 26-30 – but has just been announced as another virtual conference. Our condolences to anyone chomping at the bit to go to Phoenix in the summer! Region VIII’s CRC is also scheduled to take place virtually April 22-24.

Finally, a reminder to check out ASHRAE’s [online instructor-led courses](#) if you are in need of some training. ASHRAE has three classes planned in March.



Rachel Spitler
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YEA

By Zach Seizinger



Attendees of the YEA Swing & Sip Event

YEA and Membership Promotion's most recent event, Swing & Sip, was a success! We would like to thank everybody who attended for coming out and helping us have a good time. We are currently planning our next event and hope to draw in more of the young professionals in the industry, so if anybody has any suggestions please reach out to Brian Biggerstaff or Zach Seizinger and we would love to incorporate your ideas. Looking forward to getting together with everybody soon!



Zach Seizinger
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RESEARCH PROMOTION

By Jason Blair



Thank you to all who participated in this year's virtual auction! We raised about \$2,000.00 for ASHRAE Research and hope you all enjoyed the new format.

We are still needing donations to hit our end of year goals, please make your donations [online](#).

Jason Blair

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REFRIGERATION & SUSTAINABILITY

Sustainability has been in the news a lot lately with all the focus on reducing greenhouse gases. One of the areas of focus has been refrigerated facilities. Refrigerated facilities are just one of the components of the cold chain responsible for preserving food products from the point of production to the point of delivery to consumers. Aldi grocery stores are one of the players that have been in the news. They have been transitioning stores from hydrofluorocarbons (HFCs) to natural refrigerants (CO2) in hundreds of stores. HFCs are 1,400 times more potent than carbon dioxide as a greenhouse gas.

If you are interested in learning more about designing refrigerated facilities or the refrigeration systems they depend on check out [ASHRAE's guide for Sustainability in Refrigerated Facilities, Refrigeration Systems](#).

If you would like to focus on sustainability closer to home check out [Sustainable Tulsa](#). Their first Thursday program offers the public an opportunity to network and learn more about sustainability.



We are still looking for a sustainability project for our chapter. If you have ideas or suggestions please reach out to Steve Uerling or myself. Many ASHRAE chapters donate money to sustainability projects in their areas. If you are aware of any worthy projects in our area please let us know.

Robert Schatz

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STUDENT ACTIVITIES

By Jacob Koch

Jacob Koch here with a Student Activities update. The snow and the ice have gone away. Spring is coming soon. It is time to apply for Scholarships! If you know a high school senior interested in engineering, then have the senior apply for the Tumility Scholarship. The application is on the NEOK ASHRAE website. There are no current applicants, so their chances are great right now.

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. If anyone knows any students that would be a good candidate for the scholarships, please direct them to the NEOK ASHRAE website.



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HONORS & AWARDS

By Mike Beda

The CRC (Chapters Regional Conference) is at the end of April. Randy Schrecengost (Director & Regional Chair) and the Monterrey Chapter will host the virtual event at the end of April. I hope you will take time to join us, free of charge and travel.

Please plan to attend our virtual chapter meeting in March. We will honor the newest member of the Northeastern Oklahoma Chapter Hall of Fame. The award will be presented a few minutes before our Distinguished Lecturer speaks.

I will be finalizing my report to the Regional Nominating Committee next month. We will be submitting at least one entry for the Chapter Service Award at the CRC.



Mike Beda
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MEMBERSHIP PROMOTION

By Eric Mulliniks

Chapter reports for the month of March currently show that we have 191 members, 184 of which are non-student members. I have received several lapsed member notifications and have sent emails prompting these members to renew their memberships.

We have a few new members in our local chapter that I would like to recognize. Please welcome Jessica Peter from Cyntergy, Susan Crenshaw from Harrison Energy Partners and Diego Pena to the fold.

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, and while you are there check your bio to make sure all the information is correct and up to date.

Eric Mulliniks
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ELECTRONIC COMMUNICATIONS

By Matt Petersen

Chapter meetings online, BOG meetings online, and research promotion auction online all show how our chapter has been managing this new online world. How are we going to do a spring clay shooting tournament online? Tough question there. A lot of us have learned new ways of doing business, holding meetings and interacting with our customers during this pandemic. Will this be a constant way of doing business now that we are all adapting to online activities? I hope not; face-to-face is always better.

NEOK continues to track our followers in Facebook and our connections in LinkedIn. If you are not following NEOK on Facebook or not connected with us on LinkedIn, you may miss out on some fun and exciting activities and events. Just this past month we posted the YEA golf event on Facebook, LinkedIn and our very own web site, www.ashrae-neok.org. Please use these links to follow us on [Facebook](#) or connect with us on [LinkedIn](#).



Click on one of these logos to visit our pages.



Matt Petersen
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TREASURER REPORT

By Keith Averitt

Our very first online Research Promotion Auction was a big success! We were able to raise \$2,104.06 for ASHRAE Research. Thanks to all who donated to this cause! This brings our General Account balance up to \$45,628.33.



Keith Averitt
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GGAC

By Garen Ewbank

There are two very important opportunities for chapter members to help improve the building and energy code process in Oklahoma right now:

1. Please reach out to your state House of Representatives members and ask that they support SB148. The ask of this bill is to increase the number of members on the Oklahoma Uniform Building Code Commission (OUBCC), the commission that makes recommendations to the legislature regarding building code updates and adoption. This bill is aimed to provide the commission with members who are licensed by the state as mechanical and electrical engineers. They have experience and knowledge of design and code compliance that is needed on the commission based on its current make up. The bill was passed out of Senate committee unanimously and then passed the Senate 44-3. We now need to reach out to our Representatives to ask for them to support this bill in the House.
2. There is an opportunity to volunteer to sit on the committee that will evaluate the 2015 IECC update and adoption. It is important to have ASHRAE members familiar with the energy codes participate in these discussions. There is a specific slate of roles identified for membership, including a mechanical engineer and a commercial mechanical contractor. Please click the links below to review the slate of positions and the volunteer application.

[IECCTC Slate of Positions](#)

[ECCTC Application](#)



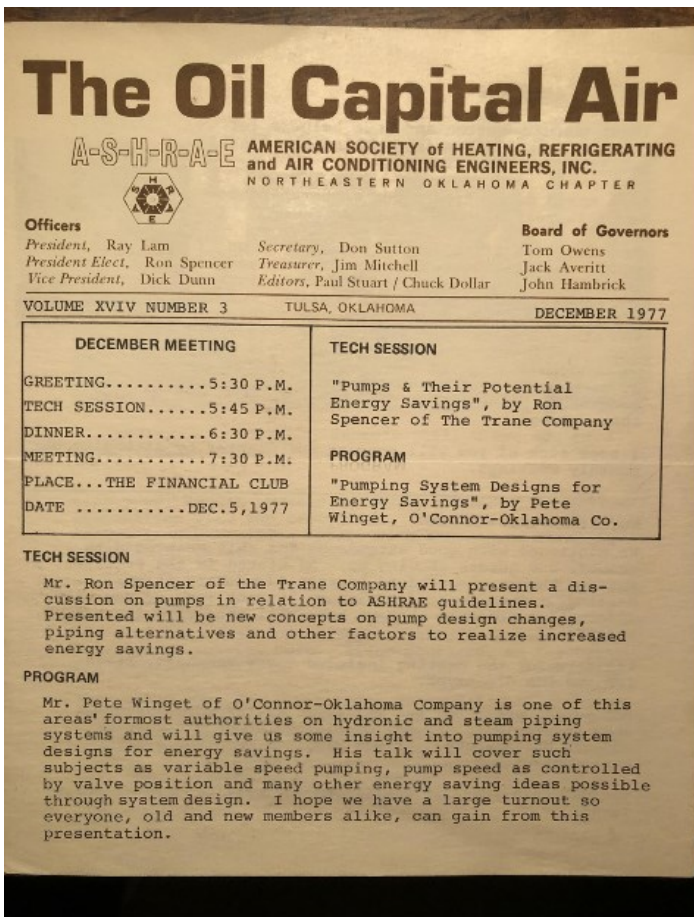
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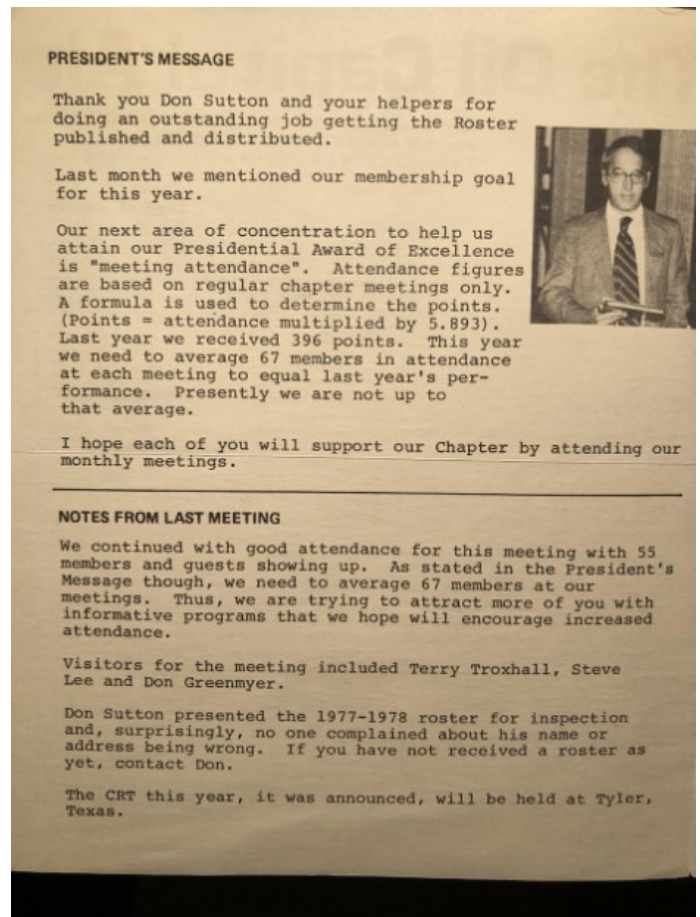
HISTORY

By Gene Redford

Here is some history of our early days of the Oil Capital Air. Like I mentioned before, back then we did what we could to produce these issues. In 1977 computers were few and far between as they say. We were lucky to have several members who worked for PSO and ONG who were able to get our issues put together. Keep in mind the four sheets you see are on one sheet of paper and printed on both sides and folded.



Page 1 of a newsletter from 1977



Page 2 of a newsletter from 1977



HISTORY

By Gene Redford

COMMENDATION



David Lee, Dick Dunn, Kenneth Gill, Glenn Southard

Last year, ASHRAE started an energy conservation design competition with two categories. The first covered design in new building types, with the second covering retrofit of existing buildings.

Pictured above is Dick Dunn making presentation last year of the winning award to David Lee and Kenneth Gill of Penafeather and Lee. Their winning entry was an existing building air conditioning system retrofit designed for Seismograph Service Corp. Glenn Southard, on the right, SSC's Building Manager, looks on.

This years competition is being announced through Energy Conservation Committee Chairman, Joe Tucker. It is hoped to get several entries in each category. From all entries received, one in each class will be selected for submitting at the Region VIII CRC. If any engineers have work they think would qualify and are interested in Regional and National recognition, contact Joe Tucker for more information.

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COMMITTEE COMMENTS

MEMBERSHIP Jim Mitchell reports there have been 45 booster tickets and 46 local dues received to date for the year. The 1977-1978 Roster just distributed shows us at over 150 members. Hopefully, this "deficit" will be removed shortly.

RESEARCH FUND Chairman Bruce Riley announced the final amount raised by NE Oklahoma Chapter was \$2,440.00 for last year. Plans are being made for this year's effort with emphasis on reaching a \$3,000.00 goal.

WELCOME FOR NEW MEMBERS

Carter Pannell - Jim Austin Company, Tulsa
Jim Schultz - Whiteside Schultz Hammett, Tulsa

The Oil Capital Air

822 EAST SIXTH STREET
TULSA, OKLAHOMA 74120



Mr. Gene Redford
Natkin and Company
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Tulsa, Oklahoma 74145

Page 3 of a newsletter from 1977

Page 4 of a newsletter from 1977



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MEETING MINUTES

By Matt Simmons

Recording of Minutes

Chapter: Northeastern Oklahoma Chapter 069 Meeting Date: February 10, 2021
Meeting: February 2021 Chapter Meeting
Attendance: Total 31 attendees Compiled By: Matt Simmons

February Chapter Meeting (Research and Promotion Month)

Meeting Held virtually via GoToMeetings on 2/10/2021

- Steve Uerling called meeting to order and gave opening message.
Duane Harman gave auction update.
Rachel Spitler introduced the speaker, Mark Fly.
Presentation by Mark Fly, Virtual AAON sound and psychrometric test chamber lab tour.
Had intermittent auction updates from Duane Harman during presentation.
Speaker concluded presentation and opened for questions.
Steve Uerling provided closing comments and Adjourned meeting.

End of meeting minutes

Recording of Minutes

Chapter: Northeastern Oklahoma Chapter 069 Meeting Date: February 18, 2021
Meeting: February 2021 BOG
Attendance: 15 Compiled By: Matt Simmons

Attendees: Matt Simmons, Steve Uerling, Matt Petersen, Pam Dunlap, Claire Farr, Mike Beda,

Jacob Koch, Rachel Spitler, Austin Barton, Brian Biggerstaff, Keith Averitt, Dan Owens, Ray Gomez, Duane Harman, Jason Blair.

The NEOK February BOG Meeting (Research and Promotion Month) was held virtual via GoToMeeting. Chapter President Steve Uerling called the meeting to order at 4:31 PM.

President: Steve Uerling

- Called meeting to order
March meeting will be conducted online.
Had discussion regarding if April and May meetings should remain virtual meetings. General consensus was to keep remaining meetings virtual to close out this season.

(Continued)



MEETING MINUTES (*continued*)

By Matt Simmons

(Continued from page 10)

- Noted that virtual tour of AAON for last chapter meeting went well.

President Elect: Claire Farr

- Newsletter articles due by February 25th. Please have all required articles submitted.

CRC Delegate: Duane Harmen

- Online Auction went well and no issues with the auction website.
- Working on getting required tax forms to auction website to get funds released.

Treasurer: Keith Averitt

- We raised \$2,296 with auction after fees the total raised was \$2,104.06, still working on getting funds released
- Mentioned that \$100 needs to be submitted to upcoming DL Pam Duffy's honorarium.

Secretary: Matt Simmons

- Last month meeting minutes were submitted and approved.

YEA: Brian Biggerstaff

- February 25th will have a YEA event at Flying Tee and invite everyone to come out.
- Email flyer went out for this event and reminder will go out next week.

CTT Chapter Programs: Rachel Spitler

- Distinguish lecturer, Pam Duffy, will be presenting at next chapter meeting in March. This will be a shared online meeting with OKC chapter and NW Arkansas chapters. Meeting will be via Zoom and each chapter will have their own individual chapter announcements then will merge all chapters together for the presentation. Individual chapter meeting starts at 11:45 am and joint presentation by Pam Duffy at 12pm.

Membership Promotion: Eric Mullininks

- No update

Research Promotion: Jason Blair

- No update.

Special Events: Nolan Chance

- No Update.

Student Activities: Jacob Koch

(Continued on page 12)



MEETING MINUTES (continued)

By Matt Simmons

(Continued from page 11)

- Has path to par for points
- Currently have 6 applicants for scholarships from Society. Jacob would like to award scholarships to all applicants and plans to pick up 2 of the applicants for scholarships and is looking for sponsors to pick up the rest.
- Currently no Tumilty Scholarship applicants.

GGAC: Garen Ewbank

- No update

Sustainability: Robert Schatz

- No update

Webmaster and Publicity/Social Media: Matt Petersen

- Everything going good for web site and social medial to meet points.

Attendance: Pam Dunlap

- Had 31 attendees at February’s chapter meeting including the presenter.

Awards: Mike Beda

- Will have one candidate for chapter service award, Steve Uerling.
- Will have honors award presentation at next meeting

History: No Update

New Business:

- No new Business

Meeting was adjourned at 5:19 pm.



Matthew Simmons

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ASHRAE® REGION VIII

Update!

Region 8 CRC will now be held online. Watch for details to be announced.



2020/2021 Calendar of Events

Important Dates

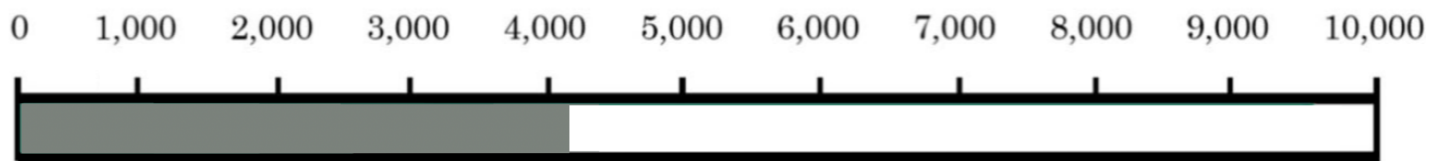
Meeting

Location

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	Online
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)	Online
January 21, 2021	Board of Governors	Online
February 9-11, 2021	ASHRAE Winter Conference	Online
February 10, 2021	Chapter Meeting (Lunch)	Online
February 18, 2021	Board of Governors	Online
March 3, 2021	Chapter Meeting (Lunch)	Online
March 11, 2021	Board of Governors	Online
April 7, 2021	Chapter Meeting (Lunch)	Online
April 8, 2021	Board of Governors	Online
April 22-24, 2021	CRC	Online
May 5, 2021	Chapter Meeting (Lunch)	Online
May 13, 2021	Board of Governors	Online
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

Officers

President	Steve Uerling	918-836-0271	steve.uerling@leeandbrowne.com
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Secretary	Matt Simmons	918-258-6890	msimmons@eda-fki-engineers.com

Board of Governors

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BOG	Mike Beda	918-706-8309	mikebeda1945@yahoo.com
BOG	Steve Johnson	918-935-1266	Steve.johnson55@cox.net

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Research Promotion	Jason Blair	918-232-7654	jblair@harrisonenergy.com
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This newsletter describes the activities of ASHRAE Chapter 069 of the American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc. (ASHRAE).

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