



Tulsa, Oklahoma

Newsletter of the NEOK Chapter of ASHRAE Region VIII

www.ashrae.org | www.ashrae-neok.org

Vol. LXII | Issue 5 | January 2022

TABLE OF CONTENTS

- [President's Message](#)
- [Chapter Technology Transfer](#)
- [Treasurer Report](#)
- [YEA](#)
- [Research Promotion](#)
- [Refrigeration](#)
- [Membership Promotion](#)
- [Student Activities](#)
- [Electronic Communications](#)
- [Honors & Awards](#)
- [History](#)
- [Meeting Minutes](#)
- [GCAC](#)
- [Calendar](#)
- [Chapter Volunteers](#)

UPCOMING EVENTS

- **January 12th**
Chapter Meeting
11:30am to 1:30pm
Tulsa Country Club
[Virtual Link](#)
- **January 20th**
Board of Governors
Meeting (4-5pm) -
Meeting Site is at
Elgin Park

PRESIDENT'S MESSAGE

By Claire Farr

Thank you to everyone who came to our December chapter meeting to hear from Senator Dave Rader and our main speaker Mark Welker on psychometrics. It is always great to see our chapter members and guests at our monthly meetings.

Seeing each other at monthly meetings is more than just a nice social benefit, because at our core, ASHRAE is a membership organization. Membership in ASHRAE drives everything we do. A vast network of ASHRAE members organize annual conferences and regular chapter events around the globe. ASHRAE members volunteer their expertise on committees to draft the numerous standards and guidelines that form the foundation of our work, and those same committee volunteers set the priorities for investing millions of dollars into cutting edge research to drive the future of our industry. Our 50,000+ members give our voice strength when we advocate for sound policies in our Government Affairs work. Engaging students and young members in preparing for and starting careers in HVACR ensures that our industry is well staffed in the future and can weather generational shifts in the workplace while still providing a healthy and sustainable built environment for all, per the ASHRAE Vision.

Just as important as our collective global impact is the direct benefits ASHRAE membership provides each individual member. ASHRAE members have regular opportunities to build their network of like-minded professionals to support each other in their careers, both locally through chapter events and globally. ASHRAE members can also deepen their impact on the industry by getting involved in the committees listed above. When joining or renewing as a Full or Associate member, each person can select a PDF copy of the most recent ASHRAE handbook, one of 100+ ASHRAE standards, or one of 150 eLearning Courses as part of their member benefits and also receive a monthly ASHRAE Journal for timely information and interesting articles, access to more than 2000 resources in the ASHRAE Technology Portal. These are all excellent ways to stay up to date and further your career development.

So if you appreciate ASHRAE programs and resources but are not yet a member, please consider joining online today. The process of joining online is quick and easy, but our chapter's Membership Promotion Chair, Brian Biggerstaff, is also available to answer any questions you may have and guide you through the process.

We look forward to seeing all of our members and guests at our January chapter meeting, where we will hear a presentation on "The HVAC System's Role in Improving Environmental Air Quality in Buildings" from ASHRAE Distinguished Lecturer David Schurk. We will also recognize any non-member guests by holding a drawing for a \$100 gift card courtesy of our Membership Promotion Committee.

Finally, don't forget to mark your calendar now for a fun social event next month! Our annual fundraising auction will be held at Tulsa Country Club on the evening of Wednesday, February 9th. Bring your spouse or date and your checkbook, because it's always a good time. And of course, we are welcoming donations for auction items!

Claire Farr

Claire Farr
2021-2022 Chapter President
cfarr@es2ok.com





CHAPTER TECHNOLOGY TRANSFER/PROGRAMS

By Michael Floyd

Thank you to everyone who came to our December chapter meeting to hear from Senator Dave Rader and our main speaker Mark Welker on psychometrics. The topic was very timely and thought provoking.

The main presentation topic for our January meeting is “The HVAC System’s Role in Improving Environmental Air Quality in Buildings.” We are fortunate to welcome another ASHRAE distinguished Lecturer, David Schurk. David is Director of Healthcare Vertical and Applied Engineering Markets for Global Plasma Solutions, with a special focus on hospital, healthcare and aerospace environmental control and indoor air quality.

Also, If any of you require Professional Development Hours, or are just wanting to learn more about this industry, I suggest you check out ASHRAE’s Online Instructor-Led Courses by clicking the link below.

<https://www.ashrae.org/professional-development/all-instructor-led-training/online-instructor-led-training>

Michael Floyd
 918.836-0271
michael.floyd@leeandbrowne.com

TREASURER REPORT

By Matt Simmons

Our chapter’s current net worth as of January 1, 2022 is as follows.

BOK- General checking:	\$33,705.84
BOK-Investments-CRC-Training:	\$19,284.69
<u>Jack Tumilty Scholarship Fund:</u>	<u>\$27,497.12</u>
Total Assets:	\$80,487.65



Matt Simmons

918.258.6890

msimmons@eda-fki-engineers.com



YEA

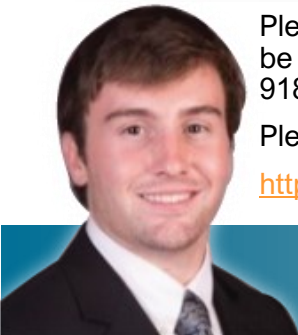
By Zach Seizinger

YEA has some exciting events in the works for the new year. Keep on the lookout for news on our next event. Make sure and tell all your engineering friends as well—it's going to be a lot of fun!



Zach Seizinger
918.624.1005
zseizinger@eei-ok.com

RESEARCH PROMOTION



Please help us support ASHRAE research by making your donation today! Donations may be made in person, by mail, or online. For more information please contact Jason Blair at 918-232-7654.

Please visit the link below to make a contribution.

<https://xp20.ashrae.org/secure/researchpromotion/rp.html>

Jason Blair
918.232.7654
jblair@harrisonenergy.com

REFRIGERATION

By Eric Mulliniks

Did you know that ASHRAE provides a variety of training opportunities in the area of refrigeration? Here are some highlights of what's currently available on ASHRAE's Refrigeration page:

Instructor-Led: [New ASHRAE-Classified Refrigerants to Meet Society's Changing Needs](#)

eLearning: [eLearning Courses on Refrigerants](#)

Self-Directed Course: [Fundamentals of Refrigeration \(I-P\)](#)

Instructor-Led: [Variable Refrigerant Flow System Design & Application](#)

Eric Mulliniks
918.382.6432
ericm@aaon.com



MEMBERSHIP PROMOTION

By Brian Biggerstaff

Is there someone in your office or your professional network who might benefit from joining ASHRAE? Invite them to the January chapter meeting and they could win \$100! We are highlighting the benefits of ASHRAE membership this month, and anyone who attends the meeting in-person at Tulsa Country Club who is not currently an ASHRAE member will be entered into a drawing to win a \$100 gift card courtesy of our Membership Promotion Committee. You might even want to share this [YouTube video](#) that outlines some of the top benefits of ASHRAE membership with any candidates. Looking forward to seeing everyone there!



Brian Biggerstaff
918.624.1005
bbiggerstaff@eei-ok.com

STUDENT ACTIVITIES

By Jacob Koch

Jacob Koch here with a Student Activities update. A reminder, there are three scholarships available through NEOK ASHRAE. NEOK college student scholarships shall be 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 shall be \$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 shall be awarded yearly at the April NEOK ASHRAE chapter meeting. I will be handing out fillers 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.

I look forward to the new ASHRAE year. The future is bright for ASHRAE.



Jacob Koch
918.836.0271
Jacob.Koch@LeeandBrowne.com



Tulsa, Oklahoma

Newsletter of the NEOK Chapter of ASHRAE Region VIII

www.ashrae.org | www.ashrae-neok.org

Vol. LXII | Issue 5 | January 2022

ELECTRONIC COMMUNICATIONS

By Matt Petersen

Happy New Year everyone! Hope everyone had a fun and safe holiday season.

The hybrid meetings have been very well accepted, with the past two months having 7 online attendees each meeting. So, just a friendly reminder that if you cannot make it to the Tulsa Country Club, you can always attend virtually.

The link for the online option is the same for each month and in case you need the link it is posted on the chapter website and will be posted on our social media pages as well. The next chapter meeting is January 12th 11:30 am CDT. The link to join is: https://global.gotomeeting.com/join/856281357 or by phone at (571) 317-3122 with Access Code: 856-281-357.

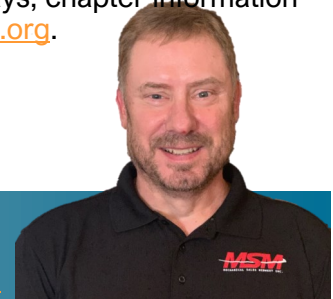
Start planning on attending the annual NEOK Research Auction set for February 9th. This is a dinner event and will be hosted at The Tulsa Country Club. There may be some online bidding options and if so, we will share the link and instructions on how to bid.

The NEOK Schedule of Events is waiting for events that you would like posted on our NEOK web site, please forward them to neok.ashrae@gmail.com and I will see if I can get them included.

If you follow us on Facebook you should be seeing more posts this year. Notice pics from our November meeting and the YEA Oktoberfest event. Please connect with us on LinkedIn. As always, chapter information is offered on these two social media sites and our chapter website, www.ashrae-neok.org.



Click on one of these logos to visit our pages.



Matt Petersen
918.978.9543

petersenmatthewe@gmail.com

HONORS & AWARDS

By Mike Beda

We have started another new year and we are into the last 6 months of the ASHRAE's year. I am looking for additional candidates for Honors and Awards at the CRC in April. I need your help!

Please take a couple of minutes to think about your past ASHRAE activities. Have you gone thru the Chapter chairs, been the chairman of 2 or 3 committees, been a member of these or other committees, been a speaker/panel member at a chapter meeting or worked on our CRC committee? I will help you determine if you have the 12 points necessary for the Chapter Service Award. If you think you may be eligible for this or any awards, please give me a call.



Mike Beda
918.706.8309

mikebeda1945@yahoo.com



HISTORY

By Gene Redford

Chapter History 1980 – 1990

Sometime in the 80's our chapter out grew the Financial Club and we moved to the Candlewood Club, located around the 56th and Birmingham area. For those who still remember, that was, even to date the best facility we ever had, as the food and atmosphere was the best. The club was not open to the public so on our meeting nights we were the only ones there and the staff took real good care of us, actually spoiled us. Maybe it was because we had steak every meeting and when they closed we used this as our means of measuring what our next facility needed to be. We stayed at the Candlewood Club approximate 17 years until their closing. When the owner passed away and the family tried to keep the club in operation. After a couple of years, they just did not have the desire to continue operating the club, plus by then the property the club was located on was worth more then the club, so the club closed and we were on the move

While we were meeting at the candlewood, we also had the opportunity to hold other events there, like dinner/dances, tabletop vendor shows. There were several rooms we could have our tech sessions, without disturbing anyone. The bar was in a good location and not in the way or out of the way from what was going on. Our meetings took place in the main dinning room area and usually setting over the dance floor, in front of the stage where the live band would play over the weekend. Remember the fireplace room, which was used by many organizations that also held their parties in that area, which was nice because you could still here the band and be separate from the main dinning room. Like I said we were spoiled, as was several other organizations that also held meetings there.

We still held our picnic and golf tournaments at LaFortune Park and started using Sutphens as our catering food service vendor. The golfers had grown to approximate 50 and were getting close to 100 members eating. Sid Simon was still coordinating the golf tournament, I am not sure when Jerry Beardslee took over from Sid. The chapter year of 1986 – 1987 a new LOW NET Traveling Trophy, named St. Andrews Putter was won by Jerry Matthews with a 73. This new trophy was donated to the chapter by Boone & Boone Sales Company and is still used today.

The chapter year of 1982 – 1983 was when Jack Tumilty was advanced to the grade of FELLOW. Our membership was approximate 175, with attendance at the chapter meetings running approximate 70.

Our chapter hosted the CRC in 1988 in Tulsa and Joe Tucker was the chairman, as I remember the CRC took place at what used to be the Hilton Inn on I44 at Yale. Chuck Callahan notified past President Bill Boone that our chapter had been designated as the #1 Chapter in Society for year 1986 -1987, which was when Bill Boone was our president.

Our membership in 1990 was 189

Michael Ray Base, age 52, of Tulsa, Oklahoma, passed away on Saturday November 27, 2021.

He is survived by his wife Emily Base; his children Bailey, Christopher, Allie and Andrea. Parents Carl and Diana Base; brother Robert Base; niece Erika Montoya; brother-in-law Eddie Vigil; brother-in-law Glen Freisen; and sister-in-law Sandy Freisen. Preceded in death by his sister, Christine Base; twin brother Jamie Base.

Many of you knew Mike during his time at Lee & Browne Consulting Engineers. He was a gentle spirit and will be greatly missed.



Gene Redford
918.346.0444
gredbird@yahoo.com



MEETING MINUTES

By Austin Barton

Recording of Minutes

Chapter: Northeastern Oklahoma Chapter 069

Meeting Date: December 09, 2021

Meeting: December 2021 BOG

Attendance: 12

Compiled By: Austin Barton

Attendees: Claire Farr, Matt Simmons, Michael Floyd, Jacob Koch, Steve Uerling, Mike Beda, Ray Gomez, Keith Averitt, Brian Biggerstaff, Pam Dunlap, Zach Seizinger, Austin Barton

The NEOK August BOG Meeting was held at Elgin Park, 325 E Reconciliation Way, Tulsa, OK 74120. President Clair Farr called the meeting to order at 4:00 PM.

Thank to EEI for sponsoring for food and drinks

President: Claire Farr

Called meeting to order

Discussion has anyone been in contact with their RVC

RVC contact, have we had contact, Zach Seizinger had made contact and Brain Biggerstaff is reaching out.

MBOS are due now please. MBO spreadsheets? Please send in with in the next day or to, to submit.

Moved to announcements:

McIntosh Provided the meal for the evening.

Discussion on January 20th ASHRAE President visit

Discussed timeframe of 4:00pm-6:00pm.

Discussed meeting at AAON and brief tour with Recognition of major donors.

Discussing moving the BOG meeting from that day, all BOG to attend.

Timeframe is roughly 3 hours.

Strategic Plan review.

Leadership, chap growth and Sustainability. Ends in 2025.

We want committee appointed by 2023 so they can pitch on 2024 CRC when we will host in 2025.

Reviewed Plan, discussion on raising dues for the long term. This is a consideration – not necessarily going to happen.



MEETING MINUTES (*continued*)

By Austin Barton

Discussing how much it cost to host CRC, 10 years ago cost was roughly 40,000.

Reviewed Draft Strategic plan

Motion to approve Strategic Voted on motioned and approved.

President Elect / Newsletter: Keith Averitt

Newsletter articles due by January 5th. Please have all required articles submitted.

Any photos of anything ASHRAE related please submit.

Treasurer: Matt Simmons

Matt Opened budget discussion.

File for audit agreed.

Updating the golf report.

Done: tax document, BOK Signature updates. Large RP Donation check submitted with attribution.

Outstanding debts for the Golf event, status discussion.

November chapter meeting, PayPal issue closure, many paid at following meeting.

Contact with ASHRAE Regional Chair Mr. Keith Reihl PE, reaching out for communication.

Secretary: Austin Barton

Chapter meeting minutes approved for December.

November chapter meeting minutes were voted on and approved.

Attendance / Reception: Pam Dunlap

Purchased the cards for issuance.

December Chapter Meeting had 47 attendees total, including speaker and a student member. 9 of 47 were not members, including a student in addition to the 47 attendees, 7 members were online.

CRC Delegate / PAOE: Steve Uerling

Full Circle discussion.

CTT Chapter Programs: Michael Floyd

Point update and is working on the month of March currently.

April joint ASPE ASHRAE meeting. (Working at having on the ASHRAE usually meeting time).

Regular chapter meeting in May.

Speaker Evaluation, up through this last speaker is submitted.



MEETING MINUTES (*continued*)

By Austin Barton

Electronic Communications and Publicity: Matt Peterson

Status of on the Hill and PAOE.

GGAC: Garen Ewbank

Status on Hill and PAOE.

Historian: Gene Redford

Claire Farr reporting: Gene will be submitting newsletter article.

Honors & Awards: Mike Beda

Motion for approval by NEOK BOG.

Mike Beda motioned: "I move that ASHRAE member, Mr. Tom Owens, be **INDUCTED** into the Northeastern Oklahoma Chapter Hall of Fame for the 2022 year.

Background: Mr. Tom Owens received the most votes of all the candidates from the 5 members of the H&A committee.

Physical Impact: Money for a plaque is a line item in the Chapter Budget for H&A.

Motion was voted on and approved.

Membership Promotion: Brain Biggerstaff

Membership promotion event, discussing bringing guest and having a raffle with distributed tickets for anyone that bring a guest. \$100 gift card for drawing winner.

Mike Beda needs a list of the roster.

Before chapter meetings, submitting list of new members.

Next YEA event, to be a membership promotion event as well.

Refrigeration: Eric Mullinks

No update.

Research Promotion: Jason Blair

Claire Farr Reporting:

Submitted check.

We need to prepare to recognize donors at February auction night.

Recognize donors at night in February, Recognize to donors for research Promotion. RP Chair needs to be there.



MEETING MINUTES *(continued)*

By Austin Barton

Special Events: Nolan Chance (Main) Duane Harmon, Ryan Dunkerson.

Claire Farr reporting: Start working on Auction now. Duane will help with the Auction February 9th,

Please start soliciting donations for the Auction Items.

Would like to promote the items in advance.

In person auction

Student Activities: Jacob Koch

Reaching out about scholarships.

Good amount of PAOE points.

Reaching out to Miss Pamela L Duffy, PE.

Points for students that showed up at our event.

Sustainability: TBD Claire Farr reporting.

Email going out for anyone who wants to get involved.

YEA: Zach Seizinger

Zach had been in contact with RVC Ms. Marisa Rae Kamstra.

Early Jan event planning.

Considering a YEA promotion meeting directly after the BOG meeting.

General Budget Review: All Parties

No new Business

New Items / Other Business: BOG Attendees

No new Business

Meeting was adjourned at 4:48 pm.



Austin Barton

918.359.9107

barton.a@mcintoshok.com



GGAC

By Garen Ewbank

Support for the 2021 International Energy Conservation Code is Now Available in REScheck™!



The U.S. Department of Energy (DOE) has released REScheck Version 2.1.0, a free, web-based software application that helps builders, designers, and contractors demonstrate that a particular home complies with the latest provisions of the International Energy Conservation Code, the 2021 IECC. DOE has determined that the provisions of the 2021 IECC will achieve savings of 9.4% in residential buildings (compared to the previous 2018 edition).

[Learn more](#) or jump right to [REScheck-Web!](#)

Garen Ewbank
405.826.8156
gewbank@geotctest.com

In Memory of Michael Ray Base





2021/2022 Calendar of Events

<u>Important Dates</u>	<u>Meeting</u>	<u>Location</u>
September 8, 2021	Golf Tournament	LaFortune Golf Course
September 16, 2021	Board of Governors	Elgin Park
October 6, 2021	Chapter Meeting (Lunch)	Tulsa Country Club
October 14, 2021	Board of Governors	Elgin Park
November 3, 2021	Chapter Meeting (Lunch)	Tulsa Country Club
November 11, 2021	Board of Governors	Elgin Park
December 1, 2021	Chapter Meeting (Lunch)	Tulsa Country Club
December 9, 2021	Board of Governors	Elgin Park
January 12, 2022	Chapter Meeting (Lunch)	Tulsa Country Club
January 20, 2022	Board of Governors	Elgin Park
January 29– Feb. 2, 2022	ASHRAE Winter Conference	Las Vegas, NV
February 9, 2022	Chapter Meeting/ Auction (Dinner)	Tulsa Country Club
February 17, 2022	Board of Governors	Elgin Park
March 2, 2022	Chapter Meeting (Lunch)	Tulsa Country Club
March 10, 2022	Board of Governors	Elgin Park
April 6, 2022	Chapter Meeting (Lunch)	Tulsa Country Club
April 14, 2022	Board of Governors	Elgin Park
April 27—May 1, 2022	CRC	Houston, TX
May 4, 2022	Chapter Meeting (Lunch)	Tulsa Country Club
May 12, 2022	Board of Governors	Elgin Park
June 9, 2022	Board of Governors	Elgin Park
June 25-29, 2022	ASHRAE Annual Conference	Toronto, ON, Canada

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

2021/2022 NEOK PAOE Points

0 1,000 2,000 3,000 4,000 5,000 6,000 7,000 8,000 9,000 10,000





2021/2022 Chapter Volunteers

Officers

President	Claire Farr	918-279-6450	cfarr@es2ok.com
President Elect	Keith Averitt	918-624-1005	kaveritt@eei-ok.com
Treasurer	Matt Simmons	918-258-6890	msimmons@eda-fki-engineers.com
Secretary	Austin Barton	918-359-9107	barton.a@mcintoshok.com

Board of Governors

BOG	Brian Biggerstaff	918-219-4030	bbiggerstaff@eei-ok.com
BOG	Chuck Mayfield	918-624-1005	cmayfield@eei-ok.com
BOG	Ray Gomez	918-584-0102	gomez@phillipsgomez.com
BOG	Mike Beda	918-706-8309	mikebeda1945@yahoo.com

Committee Chairs

CRC Delegate	Steve Uerling	918-836-0271	steve.uerling@leeandbrowne.com
CRC Alternate	Claire Farr	918-279-6450	cfarr@es2ok.com
Attendance/Reception	Pam Dunlap	918-587-4747	pbdunlap@matrixae.com
Audit	Dan Owens	918-359-9110	owens.d@mcintoshok.com
CTT/Programs	Michael Floyd	918-836-0271	michael.floyd@leeandbrowne.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
Membership Promotion	Brian Biggerstaff	918-219-4030	bbiggerstaff@eei-ok.com
Newsletter	Keith Averitt	918-624-1005	kaveritt@eei-ok.com
Nominating	TBD		
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
Sustainability	ELGIN PARK		
Webmaster/ECC	Matt Petersen	918-978-9543	petersenmatthewe@gmail.com
YEA	Zachary Seizinger	918-998-0007	zseizinger@eei-ok.com



Region Happy Hour!

@

american
beer & cocktails



Please join us for:
**Region VIII Happy
Hour**
Monday 01/31/2022

5:00 PM – 7:00 PM

**Heavy Hors D'Oeuvres
Provided by the Region**

**Beverages Available for
Purchase**

RSVP to:

Joe Sanders:

jsanders@rbakins.com

405-919-2118

**The LINQ Promenade ♦ 3545 Las Vegas
Blvd. S. ♦ Las Vegas, Nevada 89109 ♦
(702) 749-3941**