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Secretary

UPCOMING EVENTS

- **January 18th**
Chapter Meeting
11:30am to 1:30pm
Tulsa Country Club

PRESIDENT'S MESSAGE

By Keith Averitt

2022 has come and gone, and I hope everyone had a wonderful Christmas and New Year. For those who enjoyed some time off, welcome back to the daily grind. I look forward to finishing out the New Year as the local chapter President. I'm not a huge fan of making New Year's resolutions, but I would like to see us finish the second half of the ASHRAE year with everyone committed to making our ASHRAE Chapter Meetings a priority. We have some great chapter meetings and events in the works for 2023. Some of the highlights of our 2023 schedule include:

- January meeting will start off a little later than usual due to scheduling conflicts at Tulsa Country Club. The first meeting will still be at TCC, but will be on January 18th instead. Kerry Rowland from PSO will be presenting on the PSO Energy Efficiency Rebate Program, which promises to be an informative and beneficial discussion for all.
- February, we will be having Chris Mathis, ASHRAE Distinguished Lecturer presenting.
- In March, we will be having a favorite pastime of most everyone – our annual Skeet Shoot Event
- In April, we will be hosting the first annual Par 3 Golf Tournament at LaFortune Park. This promises to be a fun filled twist on our usual golf tournament.
- Also in April will be the Annual CRC meeting held this year in Monterrey, Mexico. This should be a fun filled event!

Even though it actually falls into the 2024 ASHRAE calendar year, our local ASHRAE and ASPE chapters will be partnering on an exciting Trade Show in October here in Tulsa. Last year's show in OKC turned out to be a huge success, and we look forward to topping that while showcasing our beautiful city! Details to follow.

As you can see, we have a lot of events scheduled for the Chapter year, but we can't do it without you. Please make a point to get involved in 2023!

Keith Averitt

Keith Averitt
2022-2023 Chapter President
kaveritt@eei-ok.com



CHAPTER TECHNOLOGY TRANSFER/PROGRAMS

By Michael Floyd

Thank you to everyone who was able to attend the December ASHRAE meeting! I hope everyone found Reece's presentation on Distributive Pumping to be very informative, and that you'll be able to use this type of equipment/design on future projects. I'd like to thank Reece for taking time out of his busy schedule to present at our chapter's December meeting.

Our January meeting's presentation will be by Kerry Rowland. She will be presenting on "PSO Energy Efficiency Rebate Program." Mrs. Rowland currently manages research and pilots for the Public Service Company of Oklahoma (PSO). PSO's Demand Side Management (DSM) program promotes energy savings and provides commercial and residential customers with rebates for energy efficiency improvements. Kerry holds a Bachelor of Science Degree in Botany (1994) and a Master of Science Degree in Engineering & Technology Management (2002) from Oklahoma State University. She is a past president of the Oklahoma Association of Energy Engineers (AEEOK), member of ASHRAE, serves on the board for Sustainable Alliance and Oklahoma Aquarium. January's ASHRAE meeting will be held on the 18th, so RSVP!

Looking ahead, if any of you require Professional Development Hours, wanting to learn more about this industry, or are wanting to branch out and meet new people in the industry, I suggest you attend the next YEA event. Distinguished Lecturer, Mark Fly will be presenting on "Failure is the Option – How Failure, perseverance, and positive attitude lead to innovation and success." He'll be speaking at TU, and it will take place at noon on January 25th.

Michael Floyd

918.836-0271

michael.floyd@leeandbrowne.com

TREASURER REPORT

By Austin Barton

Our chapter's current net worth as of December 31, 2022 is as follows.

BOK- General checking:	\$28,879.53
BOK-Investments-CRC-Training:	\$35,284.69
<u>Jack Tumilty Scholarship Fund:</u>	<u>\$26,518.41</u>
Total Assets:	\$90,682.63

Austin Barton

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YEA

By Zach Seizinger

“YEA had a great event last month and was able to give a generous donation to the Toys for Tots drive thanks to everybody’s participation! Keep an eye on your email in the coming weeks to see what YEA has coming up next.”



Zach Seizinger
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RESEARCH PROMOTION

By Chad Marazas

Last month we recognized last year's donors and handed out awards. If you were unable to attend, I will have the awards at the January meeting. Donations may be made in person, by mail, or online

Please visit the link below to make a contribution.

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



Chad Marazas
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REFRIGERATION

By Eric Mulliniks

Cold Climate Rooftop Packaged Air to Air Heat Pumps:

There is an ever-increasing demand for decreasing our carbon footprint. While low outdoor ambient heat pump operation isn't a new concept in the mini-split or residential markets, it is certainly the next big thing in the packaged rooftop market. Packaged rooftop air to air heat pumps capable of operating down to an outside air temperature of 0°F have now entered the market. This means that the direct use of fossil fuels needed to produce heat can be greatly reduced. This is accomplished by incorporating variable speed compressor heat pump heating in conjunction with auxiliary SCR modulating electric heat. In some instances, auxiliary electric heat may not be needed. This is definitely something worth looking into as we move forward with trying to become more conscious of our carbon footprint.

Eric Mulliniks
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ericm@aaon.com

STUDENT ACTIVITIES

By Sara Fazel

Happy New Year everyone! This year is already starting out strong for Student events.

ASHRAE Distinguished Lecturer, and our very own chapter member, Mark Fly will be making a presentation titled "Failure is the Option – How failure, perseverance, and positive attitude lead to innovation and success" at TU on Wednesday January 25th, at noon. This presentation draws on the wisdom and experience of some of the most innovative and successful figures currently and in history for wisdom on how to fail and win. It will cover the following topics (and more): how failure leads to successful outcomes, knowing the difference between an acceptable and unacceptable type of failure, how to "make your own luck" through perseverance, and understanding how learning from other's mistakes can make us more successful and allow us to learn more from our own. This will be open to the YEA group as well, so if anyone is interested, please contact Zach or myself for more details!

On February 15th, the ASHRAE Student Activities group will be making a presentation at ORU on interview skills, and would like to offer a mock interview to interested students at a later date. If anyone would be interested, or available to participate in these mock interviews, please send me an email: sara.fazel@airetechcorp.com.



Sara Fazel

918.584-9976

Sara.fazel@airetechcorp.com

GAC

By Chad Smith

We are working on setting up meetings with local elected officials, so watch for future updates. In the mean time you can sign up for the "ASHRAE Government Affairs updates" to get a bi-monthly communication from Society by clicking the following link. <https://www.ashrae.org/about/government-affairs/government-affairs-updates>.

Don't forget to visit the ASHRAE GAC website at <https://ashrae.org/about/government-affairs>. On this page, you will find the Member Advocacy Toolkit that has several presentations, flyers, info sheets that assist you in your meetings as well as several advocacy guides.



Chad Smith

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HONORS & AWARDS

By Mike Beda

Currently, I have only one tentative candidate for the Chapter Service Award and no candidate for the Regional Award of Merit. Contact me if you think you might be eligible. This all needs to be completed by the First of April.

I encourage the current and past Officers and Board of Governor members to update their bio. Please drop me an email if you have made the update or need assistance.



Mike Beda

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mikebeda1945@yahoo.com

ELECTRONIC COMMUNICATIONS

By Austin Whetstone

Happy New Year everyone! Hope everyone had a good time during the different range of temperatures

Just a reminder, if you can't make it out to Tulsa Country Club for the chapter lunch, please feel free to utilize attending virtually. We've had anywhere from 4-7 attendees for the last couple of lunches, and I want to make sure that everyone is able to take advantage of that option.

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://ashrae.webex.com/ashrae/j.php?MTID=m4f2fcf5bfa550e97bcff17f2864d680d>

Meeting number: 2337 028 2487

Password: g9wJge5P7m5

Also, start planning on attending the annual NEOK Research Auction set for February 9th. This will be a dinner event hosted at The Tulsa Country Club. If online bidding options are made available, we will share the link and instructions on how to bid.

As always, 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 with the subject line EVENT, and I will get them included. If you don't see it show up on the schedule, please don't hesitate to contact me directly. Please connect with us on LinkedIn or Facebook. 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.



Austin Whetstone
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MEMBERSHIP PROMOTION

By Brian Biggerstaff

If anyone you know is interested in joining ASHRAE, you can share the below link with them, or send them a personalized message using Connect-A-Colleague. We've kept it simple: Enter your name and email, your colleague's name and email, and press send. That's it! This pre-written invitation will be sent on your behalf, and includes options to reference an ASHRAE technical committee section, and to add a custom message.

http://web.ashrae.org/connect_a_colleague/

If you prefer to simply share a link with a friend they can join ASHRAE using the below:

<https://join.ashrae.org/>

Brian Biggerstaff
918.624.1005
bbiggerstaff@eei-ok.com



Special Message

By Matt Simmons

We would like remember NEOK ASHRAE “Life Associate Member”, Engineer, and Military Veteran Carl Eichstaedt who passed away in October. Below is a link to a video by his grandson honoring his memory.



<https://ne-np.facebook.com/JakeWWAYSports/videos/my-family-lost-my-grandfather-carl-lewis-eichstaedt-jr-this-week-he-meant-so-muc/5490844227697102/>

Newsletter Editor Matt Simmons

HISTORY

By Gene Redford

This month we pay tribute to Jack E. Tumilty, P.E., who was a long-time member of the Northeastern Oklahoma Chapter, of ASHRAE, who we named our scholarship after.

Jack was a consulting engineer in Tulsa, Oklahoma and the owner of the firm Tumilty & Associates, Consulting Engineers. Jack was born March 11, 1926 in Albuquerque, New Mexico and grew up in Oklahoma City, Oklahoma. After graduating from Classen High School in 1943 he entered the University of Oklahoma and in 1944 he volunteered for service in the US Army Air Corps as a candidate for Navigator. At the end of World War II he returned to Oklahoma University and graduated in 1948 with a Bachelor of Science degree in Mechanical Engineering. While at OU Jack was elected to Pi Tau Sigma, Honorary Mechanical Engineering Society.

Upon Graduation Jack went to work as a design engineer for the American Air Conditioning Company in Oklahoma City. He left AAC in 1949 and went to work for a short time for Pfeifer Plumbing Company in Little Rock, Arkansas. He then went to work for L.S. Houston, Consulting Engineers also in Little Rock and designed HVAC (Heating, Ventilating and Air Conditioning) systems for new and renovated movie theaters in Arkansas, Tennessee and Mississippi. In 1951 Jack moved back to OKC and went to work for Bill Collins at Collins Engineering and Associates. There he designed HVAC and plumbing systems for a variety of buildings. In 1952 Jack was moved to Tulsa to continue his design career. In 1956 Jack was appointed Director of the Tulsa office with full responsibility for all mechanical systems designs and client contact. In 1960 he was elected Corporate Vice President in charge of the Tulsa office.

Jack left from Collins Engineering Associates in 1974 and established his own firm, Tumilty & Associates, Consulting Engineers. In 1980 he temporarily closed his own firm and joined an Architectural/Engineering firm, The Benham Group, where he was the Vice President and Director of Mechanical Engineering for the offices west of the Mississippi River. He left the Benham Group in 1988 and worked for a short time for Consulting Engineers, Inc. before reestablished his own firm in 1990. Jack consulted on many types of projects for clients such as Conoco, Inc. Ponca City, OK, Oxy, Inc. and Dames & Moore/URS, Inc. where he oversaw the design of HVAC systems and negotiated a \$900,000 contract, with the University of Oklahoma, to complete a study on the natural gas system at the Norman Campus.

CONTINUE ON THE NEXT PAGE

Jack joined the American Society of Heating and Ventilating Engineers (ASHVE) in January, 1949. In December of the same year Bill Collins joined. Jack took pride in knowing he joined before Bill. He served the Northeastern Oklahoma Chapter and the Society in numerous capacities. He served the Chapter in all elected offices and was President of the Chapter in 1959-1960. He served as Delegate and Alternate Delegate to the Chapters Regional Conference (CRC). While he was Secretary of the Chapter he established the Chapter newsletter, The Oil Capitol Air. He chaired four CRC's held in Tulsa and served as Regional Historian until 2007.

At the Society level he served as a member of several Committees and as a spokesperson for the ASHRAE Standard 90-75. He was a member of the Standards Committee, the Program Committee and the Education Committee. In 1974 he was asked by Society to chair the Standards Project Committee, which was formed to write an ASHRAE standard on "Energy Conservation in New Building Design". The project committee had over 125 members and produced a standard, ASHRAE 90-75, in 16 months which was approved at the Seattle Annual Meeting in June 1975. He remained as chair of the project committee until 1982.

The Standard 90 Project Committee also developed a training program with slides concerning the Standard, its requirements and how to use it in designing new building to achieve energy efficiency. Jack participated in seminars throughout the United States, Canada, Australia and Singapore. In addition to writing Standard 90-75 the project committee produced draft documents for 100 Series Standards, "Energy Conservation in Existing Buildings".

ASHRAE awarded him the Distinguished Fifty-Year Member Award, the Distinguished Service Award and the Society Award of Merit. He was also elected a Fellow in 1983. He received the Regional Award of Merit and is a Life Member of the Society.

In other areas of his professional life, he was recognized with a Citation for Engineering Excellence in the Construction Industry by Engineering News Record. He is listed in Who's Who in the South and Southwest and Who's Who in Oklahoma. He was selected Engineer of the Year by the Oklahoma Society of Professional Engineers – Tulsa Chapter. He was a Life Member of the American Society of Mechanical Engineers, a Life Member of the National Society of Professional Engineers and the Oklahoma Society of Professional Engineers, and a member of the American Consulting Engineers Council and the Consulting Engineer Council of Oklahoma. He was a Past President of the Consulting Engineers Council of Oklahoma. He served on Advisory Boards for fifteen plus years at Oklahoma State University in Stillwater and OSU Okmulgee. At Stillwater he served on the Curriculum for Design and Construction and at Okmulgee on the Curriculum for the HVAC program. His states of registration as a Professional Engineer are Oklahoma, Kansas, Texas, Arkansas and Nevada.

Jack chaired and served on the City of Tulsa Plumbing and Appeals Board, was on the Oklahoma Air Quality Technical Advisory Committee of the Air Pollution Council for the State Department of Health from 1974 to 1976. He served on the Oklahoma Energy Advisory Council for the State Energy Department starting in 1975. Served on the Oklahoma Ad Hoc Committee for Energy Legislation from 1977 – 78 and served on the Tulsa Junior College, now TCC on the Air Conditioning and Heating Technology Advisory Committee from 1982 to 86.

Gene L. Redford
Chapter Historian

Gene Redford
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gredbird@yahoo.com





MEETING MINUTES

By Eric Mulliniks

Recording of Minutes

Chapter: Northeastern Oklahoma Chapter 069 Meeting Date: December 15, 2021
Meeting: December 2022 BOG
Attendance: 10 Compiled By: Sara Fazel

Attendees: Keith Averitt, Susan Crenshaw, Matt Simmons, Sara Fazel, Chad Marazas, Michael Floyd, Mike Beda, Austin Whetstone, Mike Kirk, Steve Johnson

The NEOK March BOG Meeting was held at Elgin Park, 325 E Reconciliation Way, Tulsa, OK 74120. Chapter President Keith Averitt called the meeting to order at 11:37 AM.

President: Keith Averitt

- Called meeting to order
Discussed Spring Golf Tournament as well as Spring Skeet Shoot.
Announced we will not have a lunch meeting in April, but will be replacing with the Par 3 Golf Tournament. We will be having a March lunch meeting.

Vice President: Matt Simmons

- Discussed the deadline for newsletter articles.

Treasurer: Austin Barton

- Review November Financials

Secretary: Eric Mulliniks

- Last month Meeting minute were submitted and approved.

Attendance/ Reception: Richard Shoemaker

- There were 39 in person attendees and 5 virtual attendees for the December meeting.

CRC Delegate/ PAOE: Claire Farr

- No Update

CTT Chapter Programs: Michael Floyd

- Michael is working on sending out PDH credits to past meeting attendees.
January speaker is April Ambrose.
Looking for speaker for February.

Electronic Communications and Publicity: Austin Whetstone

- Working on more efficient way to update contact list.



MEETING MINUTES

By Eric Mulliniks

GAC: Chad Smith

- No Update

Historian: Gene Redford

- No Update

Honors and Awards: Mike Beda

- Motion to induct ASHRAE Member, Mark Fly, into the Northeastern Oklahoma Chapter Hall of Fame for the 2023 year. Mike Beda made the motion and Keith Averitt seconded the motion. Motion was approved.

Membership Promotion: Brian Biggerstaff

- 220 Current chapter members
- 8 New members this year.

Research Promotion: Chad Marazas

- Met PAR Requirements.
- Need to raise \$4,000 to meet goal.
- AAON will not be donating this year to NEOK ASHRAE

Special Events: Nolan Chance (main) Duane Harman, Ryan Dunkerson

- Shooting event is coming up

Student Activities: Sara Fazel

- Setting up next semester events for TU
- Looking for volunteers for an interview clinic with ORU

YEA: Zach Seizinger

- Tentatively planning January meeting.

Meeting was adjourned at 12:11 pm.

Eric Mulliniks

918.382.6432

ericm@aaon.com

2022/2023 Calendar of Events

Important Dates

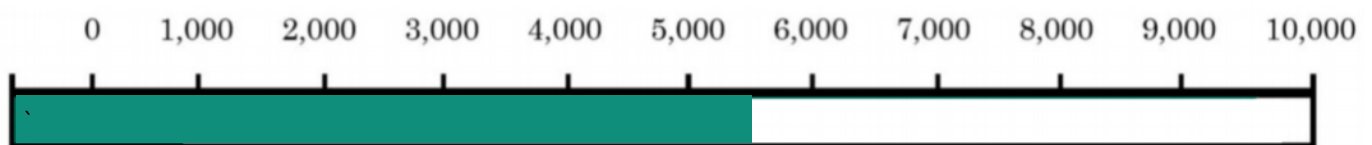
Meeting

Location

September 15, 2022	Board of Governors	Elgin Park
September 29, 2022	Golf Tournament	LaFortune Golf Course
October 5, 2022	Chapter Meeting (Lunch)	Tulsa Country Club
October 12, 2022	ASPE&ASHRAE EXPO	Oklahoma City Convention Cent
October 20, 2022	Board of Governors	Elgin Park
November 2, 2022	Chapter Meeting (Lunch)	Tulsa Country Club
November TBD	Board of Governors	Elgin Park
December 7, 2022	Chapter Meeting (Lunch)	Tulsa Country Club
December 15, 2022	Board of Governors	Elgin Park
January 18, 2023	Chapter Meeting (Lunch)	Tulsa Country Club
January 12, 2023	Board of Governors	Elgin Park

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

2022/2023 NEOK PAOE Points





2021/2022 Chapter Volunteers

Officers

President	Keith Averitt	918-624-1005	kaveritt@eei-ok.com
President Elect	Matt Simmons	918-258-6890	msimmons@eda-fki-engineers.com
Treasurer	Austin Barton	918-359-9107	barton.a@mcintoshok.com
Secretary	Eric Mulliniks	918-640-1542	emulliniks@eei-ok.com

Board of Governors

BOG	Steve Johnson	918-955-4462	Steve.johnson55@cox.net
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	Claire Farr	918-279-6450	cfarr@es2ok.com
CRC Alternate	Keith Averitt	918-624-1005	kaveritt@eei-ok.com
Attendance/Reception	Richard Shoemaker	918-812-2149	rrii@shoemakerac.com
Audit	Dan Owens	918-359-9110	owens.d@mcintoshok.com
CTT/Programs	Michael Floyd	918-836-0271	michael.floyd@leeandbrowne.com
GAC	Chad Smith	918-704-7905	chad@airetechcorp.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	Matt Simmons	918-258-6890	msimmons@eda-fki-engineers.com
Nominating	TBD		
Publicity / Social Media	Austin Whetstone	918-237-3663	austin@okchiller.com
Refrigeration	Eric Mulliniks	918-382-6432	ericm@aaon.com
Research Promotion	Chad Marazas	918-688-6784	cmmarazas@trane.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	Sara Fazel	918-584-9976	Sara.fazel@airetechcorp.com
Sustainability	TBD		
Webmaster/ECC	Austin Whetstone	918-237-3663	austin@okchiller.com
YEA	Zachary Seizinger	918-998-0007	zseizinger@eei-ok.com