We’ve talked a lot lately about how we our chapter contributes to shaping the future of our industry through scholarships, funding cutting edge industry research, and government advocacy. And in fact, our Government Advocacy Day is just around the corner on Wednesday, March 9th, so don’t miss the flyer with details later in this newsletter.

But what about our chapter’s rich history? Every time we hold a fundraiser, elect the next chapter leaders, or speak with our representatives at the capitol, we are building on the long legacy of good work by the members of our Northeastern Oklahoma Chapter of ASHRAE.

Our chapter was chartered in 1948, and since that time we’ve shown a steady growth in membership and made significant contributions to the region, the Society, and the broader industry. Our chapter has been recognized with numerous awards, including earning the Presidential Award of Excellence every year since its inception. You can review a sampling of our awards and past chapter leadership on our website.

That long list of awards is evidence of the volunteer efforts of many individuals, and for at least the last dozen years Gene Redford’s history articles in our monthly newsletter have brought the stories of those efforts to life for current members. Some of the individuals who have driven those efforts have been ASHRAE members long enough to become Life Members and we currently have about 40 such Life Members in our chapter.

The focus of our chapter business at the March meeting will be highlighting our History and Honors and Awards. We will host and recognize our Life Members, and then we will induct a new honoree into our NEOK Hall of Fame. Then we will hear from chapter member Garen Ewbanks as he presents “Developments: from Ground Source Heat Exchangers to Ambient Temperature Loops.”

I hope you will join us at the chapter meeting to honors these influential members of our local industry. And as we move forward, in all of our chapter efforts throughout the year, lets try to live up to the standard of excellence in innovation, ethics, and community service established throughout our chapter’s history.
CHAPTER TECHNOLOGY TRANSFER/PROGRAMS

By Michael Floyd

Thank you to everyone who attended our February ASHRAE Research Auction. We had a great time and raised over $3,000! Thanks to everyone who donated items, it is very much appreciated!

Our next meeting will be held on March 2, and the focus will be highlighting our History and Honors and Awards. We will host and recognize our Life Members, and then we will induct a new honoree into our NEOK Hall of Fame. The meeting will start at 11:30, at the Tulsa Country Club – 701 North Union Avenue Tulsa, OK 74127.

Looking ahead, our April meeting will be on April 6. Our speaker will be Skip Johnson, discussing VRF Applications, and its relevance in today’s commercial buildings.

Also, if anyone is in need of 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 March 1, 2022 is as follows.

<table>
<thead>
<tr>
<th>Description</th>
<th>Balance</th>
</tr>
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<tbody>
<tr>
<td>BOK- General checking</td>
<td>$33,219.16</td>
</tr>
<tr>
<td>BOK-Investments-CRC-Training</td>
<td>$19,284.69</td>
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<tr>
<td>Jack Tumilty Scholarship Fund</td>
<td>$27,497.12</td>
</tr>
<tr>
<td><strong>Total Assets:</strong></td>
<td><strong>$80,000.97</strong></td>
</tr>
</tbody>
</table>

Matt Simmons
918.258.6890
msimmons@eda-fki-engineers.com
YEA

YEA is gearing up for our biggest event of the year! We’re currently thinking about doing a Driller’s game, but if anybody has any suggestions please reach out as we would love to hear them. We will keep everybody posted and are looking forward to another great event! Feel free to reach out to me directly if you have any suggestions. Thanks!

RESEARCH PROMOTION

We continue to look for ways to raise money for Research Promotion. This really is the lifeblood of ASHRAE, so please feel free to donate! We’ve even made it easy for you to donate right from your computer at the following website:

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

REFRIGERATION

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

Please contact me directly if you have anyone you know that is interested in becoming a member. One of my goals for this year is to increase membership, especially amongst the under 30 crowd. You can reach me directly at my email or phone number below, and I’d be more than happy to get in touch with a prospective member and highlight the benefits of ASHRAE, as it has significantly impacted my life! I’d be more than happy to share my experiences with those people who aren’t yet members. Thanks so much in advance for the leads! I really do love ASHRAE!

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 still 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
Another storm, more ice and snow. Winter is almost over, and I hope everyone is planning on attending the CRC this April. It is time to start looking at travel plans if you are going.

We are back in March for our hybrid meeting. As always 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 March 2nd at 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. 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.

HONORS & AWARDS

The Houston CRC is 2 months away. The CRC committee is now in the process of determining if they will be Hybrid type with virtual and in person attendance. We will know more next month.

We are in the process of preparing paper work for the candidates for the Chapter Service Award. My intension to get these completed in February and mailed to the Regional Nominating Committee by mid-month.

At the March chapter meeting, the Honors & Awards Committee will have our presentation of the 2022 NEOK ‘Hall of Fame’ inductee. Please plan to attend the March 2nd meeting.
Here is some interesting history of our early chapter leaders. Our chapter has been around over 70 years now.

W. R. Lee, who was one of the charter members and the first president in 1948/49 and also served a second year 1949/50. Also remember, back then it was ASHVE. Bob was building manager for the Beacon Building. Bob has passed away.

A. D. “Ike” Holmes a charter member served as the second president 1950/51. Ike was a partner with his brother with Plumbing Supply Company of Tulsa and was known for carrying the largest supply of oddball pipe and fittings in Tulsa. Ike passed away in 1975.

R. F. Shoemaker a charter member served as the third president 1951/52. Richard joined his father Forrest Shoemaker, in the air conditioning company in 1946 with a B.S. in Mechanical Engineering from Purdue University and obtained his P.E. in 1963. Richard’s son Rick Jr. third generation is active in the family business still today, as is his grandson Richard III. Richard has passed away. (Life Member)

Clarence H. Dollmeyer a charter member served as the fourth president in 1952/53 and again in 1957/58. To date he is the second president to have served two terms. Clarence was the first president to have a social hour before the meeting started. Clarence was with Collins and Gould Engineering in 1952, he later joined Black and West Architects in 1954 than joined the firm of Netherton, Dollmeyer and Solnox in 1956. Clarence later joined the Benham Group and Decision Engineering in Edmond Oklahoma.

J. Neal Watt a charter member served as the fifth president in 1953/54. Neal graduated from Oklahoma University in 1947 and joined the company business of Watt Plumbing Company. The company later entered into full HVAC field as a mechanical contractor. Neal’s son Alan joined the company in 1976 and joined ASHRAE. Neal sold the company and started a consulting firm of J. Neal Watt & Associates. Neal has passed away in 2008. (Life Member)

R. W. Winget a charter member served as the sixth president in 1954/55. Pete joined the O’Conner Company in 1937 in Wichita KS and moved to Tulsa with the company in 1945. Pete retired from O’Conner Oklahoma Company in 1977 as president. Pete was very active in the HVAC work in Tulsa during his time here. The chapter had grown to 60 members and was meeting at the University of Tulsa. Pete has passed away. (Life Member)
Recording of Minutes

Chapter: Northeastern Oklahoma Chapter 069  
Meeting Date: February 17, 2022

Meeting: February 2022 BOG

Attendance: 8  
Compiled By: Austin Barton

Attendees: Claire Farr, Matt Simmons, Michael Floyd, Jacob Koch, Mike Beda, Ray Gomez, Pam Dunlap, Zach Seizinger, Austin Barton.

The NEOK February BOG Meeting was held at Elgin Park, 325 E Reconciliation Way, Tulsa, OK 74120. President Claire Farr called the meeting to order at __4:00__ PM.

Thank to Phillips and Gomez for sponsoring for food and drinks

President: Claire Farr

- Called meeting to order
- March meeting discussion.
  - Hall of Fame will be awarded.
  - Inviting life members, would like to have at least 4 life members there. POA Points. Reaching out to them individually.
  - Welcome to the life members.
  - History, Honors and Awards.
  - POA points available for History. Will review history of NEOK ASHRAE.
  - Government week after chapter meeting, meeting on the hill for Government Affairs.
- Nomination Committee will get moving. Volunteers will be reaching out for next years board and roles.
- PAOE points. Copy of PAOE newsletter, review totals and your area.
  - We need to get PAOE points up to date in most categories.
  - Government, History, Membership Promotion and RP.
MEETING MINUTES

Vice President: Claire Farr reporting for Keith Averitt.

- Newsletter Deadline, send out reminder.

Treasurer: Matt Simmons reporting.

- Matt Simmons reviewed the financial Report.
  - Reviewed report in page 6 of the packet.
  - Reviewed the results of Auction Night.
  - How much money is going to be set aside for CRC.
  - March 2\textsuperscript{nd} is the next chapter meeting.

- Reviewed scholarship fund. (2 separate scholarships funds).

- 100\% of Golf Income and when the PayPal glitch occurred for chapter meeting. Need to verify.

- Need budget status closed vs actual expenses.

Secretary: Austin Barton Reporting.

- Chapter meeting minutes approved for January.

- Will email out chapter meeting minutes for February

- February chapter meeting minutes were voted on and approved.

Attendance / Reception: Pam Dunlap

- No other updated.

CRC Delegate / PAOE: Claire Farr reporting Steve Uerling

- PAOE updated.

- CRC in person online or Hybrid.

CTT Chapter Programs: Michael Floyd Reporting.

- Last 3 speakers are lined up.

- Geothermal in March Garen Ewbank.
MEETING MINUTES

- April Steam Review with ASPE attending.
- May Rod Hamm will be speaking in May.

**Electronic Communications and Publicity:** Claire Farr reporting for Matt Petersen
- Status of on the Hill and PAOE.

**GGAC:** Claire Farr Reporting for Garen Ewbank
- Wed March 9th Garen or Chad RSVP for Day on the Hill / Government Outreach.
  ◇ Review with you representative, we as ASHRAE are a resource for you.
  ◇ In partnership with the central Oklahoma chapter.

**Historian:** Gene Redford
- Claire Farr reporting: Gene will be submitting newsletter article.

**Honors & Awards:** Mike Beda
- Presenting Hall of Fame at the chapter meeting on the 2nd of March.

**Membership Promotion:** Brain Biggerstaff
- Claire Farr Reporting: Membership promotion event.
- Need to check on all delinquents

**Research Promotion:** Jason Blair
- Claire Farr Reporting:
  - Full Circle Credit verification.
  - Duane is getting process started of requesting AAON’s check.

**Special Events:** Nolan Chance (Main) Duane Harmon, Ryan Dunkerson.
- Claire Farr reporting: Auction went well, had new form for tracking.
  ◇ Good representation for an number of items donated.
- Way to get more items next year,
- Reference other chapters on more ideas about what they are doing for fund raising.
MEETING MINUTES

**Student Activities:** Jacob Koch Reporting

- Registrations for E-Week breakfast and Lunch, Michael Floyd will be attending with Jacob.

- Another scholarship application, so we now have 2. Both are for high school. Need to work on colleges. Will email out and get more applicants.

- Sponsorship of Get a Girl in Engineering.

**Sustainability:** TBD Claire Farr reporting.

- Email going out for anyone who wants to get involved.

**YEA:** Zach Seizinger

- Did Oilers event and had a successful event. 13 attendees.

- Will do one more event this year.

- Event was successful and sponsorship collected.

**General Budget Review:** All Parties

- No new Business

**New Items / Other Business:** BOG Attendees

- Pam Dunlap: ASPE ASHRAE joint product show at new Oklahoma City convention center. Will need volunteers from Tulsa to attend event. October 12th 2022.

  - Deposit is committed and event is secure. Currently gathering information.

- Skeet shoot in May or June.

Meeting was adjourned at 5:02 pm.
GGAC

Government Outreach Day

When: Wednesday, March 9, 2022
Where: Southeast Entrance

If you are interested in attending this year’s Government Outreach Day, please contact Garen Ewbank or Chad Smith. We will carpool to the capitol and be sending out info to share.

Chad Smith
chad@airetechcorp.com
(918) 704-7905

Garen Ewbank
garenewbank@thesourceenergygroup.com
(405) 826-8156

ASHRAE members play crucial roles educating public policymakers at all levels of government in every country about building systems, energy efficiency, indoor air quality, refrigeration and sustainability within the building industry.

Garen Ewbank
405.826.8156
gewbank@geotctest.com
## 2021/2022 Calendar of Events

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

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

## 2021/2022 NEOK PAOE Points
# 2021/2022 Chapter Volunteers

<table>
<thead>
<tr>
<th>Role</th>
<th>Name</th>
<th>Phone</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>President</td>
<td>Claire Farr</td>
<td>918-279-6450</td>
<td><a href="mailto:cfarr@es2ok.com">cfarr@es2ok.com</a></td>
</tr>
<tr>
<td>President Elect</td>
<td>Keith Averitt</td>
<td>918-624-1005</td>
<td><a href="mailto:kaveritt@eei-ok.com">kaveritt@eei-ok.com</a></td>
</tr>
<tr>
<td>Treasurer</td>
<td>Matt Simmons</td>
<td>918-258-6890</td>
<td><a href="mailto:msimmons@eda-fki-engineers.com">msimmons@eda-fki-engineers.com</a></td>
</tr>
<tr>
<td>Secretary</td>
<td>Austin Barton</td>
<td>918-359-9107</td>
<td><a href="mailto:barton.a@mcintoshok.com">barton.a@mcintoshok.com</a></td>
</tr>
<tr>
<td>BOG</td>
<td>Brian Biggerstaff</td>
<td>918-219-4030</td>
<td><a href="mailto:bbiggerstaff@eei-ok.com">bbiggerstaff@eei-ok.com</a></td>
</tr>
<tr>
<td>BOG</td>
<td>Chuck Mayfield</td>
<td>918-624-1005</td>
<td><a href="mailto:cmayfield@eei-ok.com">cmayfield@eei-ok.com</a></td>
</tr>
<tr>
<td>BOG</td>
<td>Ray Gomez</td>
<td>918-584-0102</td>
<td><a href="mailto:gomez@philipsgomez.com">gomez@philipsgomez.com</a></td>
</tr>
<tr>
<td>BOG</td>
<td>Mike Beda</td>
<td>918-706-8309</td>
<td><a href="mailto:mikebeda1945@yahoo.com">mikebeda1945@yahoo.com</a></td>
</tr>
<tr>
<td>CRC Delegate</td>
<td>Steve Uerling</td>
<td>918-836-0271</td>
<td><a href="mailto:steve.uerling@leeandbrowne.com">steve.uerling@leeandbrowne.com</a></td>
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<tr>
<td>CRC Alternate</td>
<td>Claire Farr</td>
<td>918-279-6450</td>
<td><a href="mailto:cfarr@es2ok.com">cfarr@es2ok.com</a></td>
</tr>
<tr>
<td>Attendance/Reception</td>
<td>Pam Dunlap</td>
<td>918-587-4747</td>
<td><a href="mailto:pdbunlap@matrixae.com">pdbunlap@matrixae.com</a></td>
</tr>
<tr>
<td>Audit</td>
<td>Dan Owens</td>
<td>918-359-9110</td>
<td><a href="mailto:owens.d@mcintoshok.com">owens.d@mcintoshok.com</a></td>
</tr>
<tr>
<td>CTT/Programs</td>
<td>Michael Floyd</td>
<td>918-836-0271</td>
<td><a href="mailto:michael.floyd@leeandbrowne.com">michael.floyd@leeandbrowne.com</a></td>
</tr>
<tr>
<td>GGAC</td>
<td>Garen N. Ewbank</td>
<td>405-826-8156</td>
<td><a href="mailto:gewbank@epotctest.com">gewbank@epotctest.com</a></td>
</tr>
<tr>
<td>Historian</td>
<td>Gene L. Redford</td>
<td>918-346-0444</td>
<td><a href="mailto:gredbird@yahoo.com">gredbird@yahoo.com</a></td>
</tr>
<tr>
<td>Honors &amp; Awards</td>
<td>Mike Beda</td>
<td>918-706-8309</td>
<td><a href="mailto:mikebeda1945@yahoo.com">mikebeda1945@yahoo.com</a></td>
</tr>
<tr>
<td>Membership Promotion</td>
<td>Brian Biggerstaff</td>
<td>918-219-4030</td>
<td><a href="mailto:bbiggerstaff@eei-ok.com">bbiggerstaff@eei-ok.com</a></td>
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<tr>
<td>Newsletter</td>
<td>Keith Averitt</td>
<td>918-624-1005</td>
<td><a href="mailto:kaveritt@eei-ok.com">kaveritt@eei-ok.com</a></td>
</tr>
<tr>
<td>Nominating</td>
<td>TBD</td>
<td></td>
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<tr>
<td>Publicity / Social Media</td>
<td>Matt Petersen</td>
<td>918-978-9543</td>
<td><a href="mailto:petermennathewew@gmail.com">petermennathewew@gmail.com</a></td>
</tr>
<tr>
<td>Refrigeration</td>
<td>Eric Mulliniks</td>
<td>918-382-6432</td>
<td><a href="mailto:ericm@aon.com">ericm@aon.com</a></td>
</tr>
<tr>
<td>Research Promotion</td>
<td>Jason Blair</td>
<td>918-232-7654</td>
<td><a href="mailto:jblair@harrisonenergy.com">jblair@harrisonenergy.com</a></td>
</tr>
<tr>
<td>Special Events Co-Chair</td>
<td>Nolan Chance</td>
<td>918-877-6000</td>
<td><a href="mailto:nolanc@midwestmachinery.net">nolanc@midwestmachinery.net</a></td>
</tr>
<tr>
<td>Special Events Co-Chair</td>
<td>Ryan Dunkerson</td>
<td>918-430-6793</td>
<td><a href="mailto:rdunkerson@es2ok.com">rdunkerson@es2ok.com</a></td>
</tr>
<tr>
<td>Student Activities</td>
<td>Jacob Koch</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sustainability</td>
<td>ELGIN PARK</td>
<td></td>
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</tr>
<tr>
<td>Webmaster/ECC</td>
<td>Matt Petersen</td>
<td>918-978-9543</td>
<td><a href="mailto:petermennathewew@gmail.com">petermennathewew@gmail.com</a></td>
</tr>
<tr>
<td>YEA</td>
<td>Zachary Seizinger</td>
<td>918-998-0007</td>
<td><a href="mailto:zseizinger@eei-ok.com">zseizinger@eei-ok.com</a></td>
</tr>
</tbody>
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