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UPCOMING EVENTS

- **March 6th:**
11:30am— Chapter Meeting at Tulsa Country Club
- **March 14th:**
4:00pm— BOG Meeting at Tulsa Country Club

President's Message

Research Promotion Night!

February's chapter meeting is always one of my favorite meetings of the year. It is a great opportunity for the spouses to get to participate in an ASHRAE event and help raise some money in the process. This year's Research Promotion Event was a great success! We had just under 50 people attend the event which is up from last year's number of 36. We don't have final numbers in, but we raised over \$3,000 at the event! We had lots of good feedback on the change in venue for the event as well and appreciate all that participated, donated and made for such an enjoyable evening!

The evening was also a special night with the attendance of Sheila Hayter, ASHRAE Society President. She was able to visit both the Central Oklahoma Chapters and NEOK chapters. It was great to hear about her initiatives as president and about upcoming trends in the energy market. Before the auction and dinner Sheila was also able to tour AAON's new research and development center. She was very impressed with the facility and the product innovation happening at AAON. While there she was also presented the Platinum Donation of \$20,000 to ASHRAE Research from AAON. We wish to thank them for their continued support of our chapter, not only through their Platinum Donation, but for also allowing their employees to participate and serve on the committee chairs/BOG.

The February meeting was an all-around great success and I want to thank all of you that helped put on the event. Especially Duane Harman and Kristin Long who are the special event chairs. Thanks again for your donations and look forward to seeing you at the next chapter meeting!

Nolan Chance

Nolan Chance
2018-2019 Chapter President
nolanc@midwestmachinery.net





CHAPTER TECHNOLOGY TRANSFER

By Andrew Sneed

Thank you to all who came out for our annual dinner auction. We hope everyone enjoyed an evening of fun and entertainment including a few words from Society President Sheila Hayter on "Building our New Energy Future". Our next meeting will be on March 6th as we resume our regular lunch meetings. We will have our first of three ASHRAE Distinguished Lecturers to close out the year. Jim Vallort, from Environmental Systems Design (ESD) will be presenting on "Primary Heating/Cooling Plant Strategies & How to Maximize the Energy and Financial Savings."

Jim Vallort has spent his career focusing on energy: ranging from measuring energy usage, optimizing the systems, integrating automation to control energy and the impact of commissioning on energy consumption. Jim is a Managing Director with ESD headquartered in Chicago, IL, a consulting engineering firm. Jim also served as an ASHRAE Society Vice President for the 2015-2016 Board of Directors. He currently serves as a member of Guideline 1.6 Data Center Commissioning, ASHRAE Professional Development Committee, and Technical Committee (TC) 7.9, Building Commissioning. Jim previously served on the Board as a director-at-large in 2005-08 and as Region VI director and Regional Chair in 2001-04.

Jim has over 20 publications and numerous presentations under his belt on topics ranging from Energy Efficiency, Automation and Commissioning to Underfloor Air Distribution. Jim's greatest joy at work is teaching and mentoring others on the mix of art and science that is required to solve today's challenges in the engineering community. Vallort is the recipient of the ASHRAE Exceptional Service Award, ASHRAE Distinguished Service Award, an Excellence in Engineering Award from the ASHRAE Illinois Chapter in 1998 and ASHRAE Fellow. He was president of the Illinois Chapter in 1999-2000.

Finally keep an eye out for some future Evites as we will be attempting to host some additional webinar sessions on Friday afternoons where you can earn additional pdh's. The annual ASHRAE webcast is also scheduled for Thursday April 18th from 10:00am-12:00pm. It will cover The Future of Refrigerants: Unitary and VRF Systems and we will plan on hosting a chapter viewing party for those interested, details to follow.

Please make sure you RSVP for March's meeting as we expect a good crowd. The details are: March 6th, 11:30am, Tulsa Country Club, 701 N. Union Ave. We'll close out the year with two other Distinguished Lecturers in April and May.

Call for Award Submissions:

If you have designed a project, new or renovation, that is innovative in its approach to energy efficiency or IAQ, or has a creative approach to an unusual design challenge, you deserve to be recognized! ASHRAE's Technology Awards give you and your clients a chance to get recognition at the regional or national level. National winners are profiled in the ASHRAE Journal. If you have a project you are proud of, contact Andrew Sneed for more information, or click on Technology Awards.

ASHRAE's HVAC Learning Institute:

There new line of courses are available for 2019. You can go to the following link for this and other ASHRAE training opportunities https://www.ashrae.org/onlinecourses.

ASHRAE Certification:

ASHRAE certification programs were founded to meet industry needs and today provide value to 1,000s of built-environment professionals, employers and building owners. If you've like to include a few more letters behind your name that illustrate you are an expert in a chosen field, you can go to the following link to learn more https://www.ashrae.org/professional-development/ashrae-certification.



Andrew Sneed
918.584.0102
sneed@phillipsqomez.com



GGAC

By Todd Lester

Grassroots Government Advocacy



I hope that you have all marked for calendars for Tuesday, March 12, 2019 for this year's Government Outreach Day. This is a day when the NEOK and Central OK chapters will come together at the state capitol and visit with our congressional representatives. Our main goal will be to educate and inform our representatives regarding who ASHRAE is and how we can help them in areas of public policy related to our industry.

The plan is to meet up with the Central OK chapter at the state capitol around 9:30am. We will have a quick debrief and then split up into small groups of 2-4 people. From 10am to 2pm we will visit representatives and senators around the building. To make it easy on everyone, I will prepare a schedule so you will know exactly when and where you need to be at each representative's office. I will have people matched up with congressional representatives from their own district, so this is a great chance to meet and chat with the person representing you.

I encourage everyone who is able to attend to come out and help support ASHRAE on a local grass root level. Please contact me if you are interested in attending the 2019 Government Outreach Day.

Government Outreach Day

When: Tuesday, March 12, 2019
Where: "On the Hill" (State Capitol)

If you are interested in attending this year's Government Outreach Day, please contact **Todd Lester**.

Email: tlester@cyntergy.com
Phone: 918-877-6000 (283)



2018 Oklahoma Day on the Hill

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.

Todd Lester
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Tulsa, Oklahoma

Newsletter of the NEOK Chapter of ASHRAE Region VIII

www.ashrae.org // www.ashrae-neok.org

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TREASURER REPORT

By Claire Farr

Thank you to everyone who came out to support ASHRAE Research at our Auction Night meeting! We are still tabulating the total costs and revenue, but we already know we raised at least \$4,000. We should have a more definitive number published in next month's newsletter.

I'll be reaching out this month to everyone who has an unpaid balance for Season Passes, formerly known as Booster Tickets. Using the passes is a great way to speed up the check-in line at chapter meetings, plus it helps us manage the chapter cash flow.



Claire Farr
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Net Worth — As of 1/31/19

(Includes unrealized gains)
As of 1/31/19

Table with 2 columns: Account, January 2019. Rows include Assets (\$63,963.52), Cash (\$36,508.38), Savings (\$27,451.58), Investments (\$3.56), Liabilities (\$0.00), and Net Worth (\$63,963.52).

HONORS & AWARDS

By Mike Beda

The Cancun CRC meeting will be in 2 months. Please plan to attend. It will be a fun time for all.

I have received one application for the Chapter Service Award. It will be sent to the Regional Nominating by the end of February. Matt Petersen and Nolan Chance are the NEOK Chapter Delegate and Alternate that will hand deliver it to the CRC in April. At that time, all Region VIII Chapters Delegates will be voting on all the Regional candidates for 2018-19 year.

At the March chapter meeting, the Honors & Awards Committee, we will have a very special event. It will be the inaugural NEOK Chapter 'Hall of Fame' Awards. We will be honoring 3 of our most distinguished chapter members that have served ASHRAE since the founding of this Chapter. The selection committee consisted of Gene Redford, LeAnna Reynolds, Matt Peterson, Nolan Chance and me. Please plan to attend the March 6th lunch meeting honoring the NEOK ASHRAE 2019 Hall of Fame Inductees.



Mike Beda
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STUDENT ACTIVITIES

By Jacob Koch

Jacob Koch here with a Student Activities update with 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.

On Wednesday January 23, 2019, I met with the ACR club at OSU Okmulgee. I introduced them ASHRAE and discussed scholarship opportunities. They were interested in attending the March meeting. The president of the club will give me an official head count. I will be looking for sponsors for the club members. Anyone looking to sponsor an OSU Okmulgee student for the ASHRAE March meeting? Send an email to Jacob.koch@leeandbrowne.com. Overall the meeting went great. The future looks bright for HVAC industry.

Engineering week is February 18th thru 22nd. On the 22nd, there is a student/professional breakfast, career seminar. Jason Blair and I will be there representing NEOK ASHRAE. This will be a great opportunity to educate students on the HVAC field. The meeting is located at the Wyndham Hotel 41st and Sheridan. The registration deadline is February 15, 2019. I am sure if you want a table, late is better than never. A ticket sponsors 5 students. So come on out and support the kids. Thank you.



Jacob Koch
918.836.0271
Jacob.Koch@LeeandBrowne.com

The Jack E. Tumilty Scholarship is an annual award offered by the Northeastern Oklahoma ASHRAE Chapter to an area high school graduating senior entering the study of mechanical engineering at a college of their choice. The scholarship, with a \$1000 stipend, is in honor of the late Jack E. Tumilty. Besides the requirement for the recipient to be entering the study of mechanical engineering, other requirements include good moral character, outstanding grade point average, interest in the fields of math and science, and submission of a letter describing why the applicant has chosen to study mechanical engineering. Previous recipients of this scholarship have been from Booker T. Washington, Jenks, Union, Broken Arrow, Mingo Valley Christian School, Owasso, and Regent Preparatory School.

This is the eleventh year the scholarship will be available for award. If there are chapter members who know of a student that may qualify, the student should submit the letter described above along with his high school transcript, the name of his high school counselor, a list of extracurricular activities, and contact information to:

NEOK ASHRAE Scholarship Committee
Attention: Keith Browne, PE
1408 North 53rd Street
Broken Arrow, OK 74014

The application must be received no later than March 6 to be considered by the committee. If a suitable candidate is found, the scholarship will be awarded at our April



Keith Browne
918.408.3930
browne.bce@cox.net



HISTORY

By Gene Redford

From time to time we recycle some of our articles, which is good as there are lots of information that needs to be repeated and shared from time to time. Anyway, this article was published several years ago but is worth repeating, Ron Spencer published it the first time when he held this position of Chapter Historian.

"In the fall of 1963, three graduates of the Oklahoma University College of Engineering began a pilgrimage north to Trane country in search of a "PHD" in HVAC. The first two, Harold Kallenberger and Tom Owens in addition to being more intelligent than the third, had both grown up working with their fathers on air conditioning equipment. The third, Ron Spencer thought plenum was something coughed up from bronchitis. With their previous experience, they gained much more from the class than Spencer, who just tried to keep up.

Being Okies, none were prepared for the -25 to -30-degree winters in La Crosse, Wisconsin and had to make substantial adjustments. Hal and Tom were single and had the time, but not the money to examine the mile-long stretch of bars on Fourth Street. Spencer had neither the time nor the money (he brought along his wife and four-month-old son). The Trane company training class curriculum (one of the largest ever, had over one hundred students from the US and abroad) left little time for extra curricula activities. Hal's VW had an air-cooled engine and did not risk winter freeze up, but did NOT like to start on those cold winter mornings.

The training class was housed in an old building next to the railroad tracks and some one hundred plus engineers were each assigned a drafting table and small bookcase. Milt Paulson and C. L. Ringquest conducted the class. C. L. was a large man standing over six feet four inches and weighed over two hundred seventy-five pounds, and was a former lineman for the Purdue Boiler makers. His mind was as large as his body, holding over one hundred patents for the Trane company. At the end of the training period, each engineer was assigned to a sales office. Each sales engineer had requested a particular office. Hal and Tom requested Tulsa, and Spencer requested Oklahoma City. Spencer thought management must have been ex military men as none of them were granted their requested assignments. Hal went to Oklahoma City, Tom to New Orleans and Spencer went to Dallas.

Hal returned to Tulsa and went to work for Ray Flynt Consulting Engineers, and later became a partner, which started Flynt and Kallenberger. Hal retired from F&K a couple of years ago. Spencer transferred to the Tulsa Trane office, working as a sales engineer until 1981, when he and partners purchased the Trane franchise from Howard Kirsch. In 1985 Trane company purchased back the franchise and converted the Oklahoma operation into a company owned business. In 1986 Ron formed Optimum Systems and Service and became the York agent for northeast Oklahoma. He later sold his business to Airetech Corporation. Tom did not like New Orleans and returned to Tulsa and went to work for Natkin & Co., before going to work for McCune and McCune Consulting Engineers. After receiving his PE, Tom returned to Natkin, and became the District Manager, where he remained until their downsizing. Tom took advantage of this change and purchased McIntosh Services from Pat McIntosh and has expanded that company into one of the largest mechanical contractors in Oklahoma. As many of you know the Natkin name has disappeared from our industry, as Tom bought out what was left of the Natkin business in Tulsa.

These three Okies were involved with ASHRAE throughout their careers, all becoming life members of ASHRAE. They have been very involved with our chapter. Also remember Forrest Shoemaker Sr. would often regale me with stories of how C. L. and Maurice Wilson of Carrier Corporation would travel by train to Tulsa to work with Mr. Shoemaker on a system design for a local project. In those days there were few consulting engineers and the contractor would design the projects. The three would gather in the Mayo hotel and spend days working out the details of the designs. Mr. Wilson worked on the refrigeration system and C. L. worked out the airside design." With individuals like these is why our chapter is one of the best chapters in ASHRAE.



Gene Redford
918.346.0444
gredbird@yahoo.com



BOG MEETING MINUTES

By Steve Uerling

Recording of Minutes

Chapter: Northeastern Oklahoma Chapter 069

Meeting Date: January 17, 2019

Meeting: January 2019 Chapter Meeting

Compiled By: Steve Uerling

Attendance: 36

The NEOK January Chapter Meeting was held on January 17, 2019 at Tulsa Country Club.

Chapter President Nolan Chance called the meeting to order at 11:42.

Chad Smith led the Pledge of Allegiance and gave the invocation.

The RSVP raffle \$50 prize was won by Andrew Sneed.

Gene Redford did the half pot drawing with no winner, so the pot carries over to next meeting.

Andrew Sneed introduced the speaker, Mark Fly with Aaon. Mr. Fly spoke on the topic of Acoustics 101. Before beginning his presentation, Mr. Fly announced the new ASHRAE Certification for HVAC Designer, targeted at drafter/designers who don't have an engineering degree.

Nolan Chance thanked the speaker and announced the next chapter meeting will be on 2/6 and will be Spouses Night and feature the annual ASHRAE Research auction fundraiser. It will be a dinner meeting at Tulsa Country Club and our special guest will be ASHRAE Society President Sheila Hayter. BOG will be next Wednesday at Tulsa Country Club.

Nolan adjourned the meeting at 1:14 and reminded everyone to turn in their badges.



Steve Uerling

918.836.0271

steve.uerling@leeandbrowne.com



MEMBERSHIP PROMOTION

By Eric Mulliniks

Chapter reports for the month of February show that there has been a drop in local membership. Several of the most recent members that have recently fallen off simply need to renew their memberships.

We currently have 195 members. 7 memberships have expired, or are in the grace period and need to be renewed. Emails have been sent to these 7 members. I have already received a few replies confirming that these memberships will return to active status. Numerous emails have also been sent to some of the past members who have fallen onto the cancelled membership list in hopes of regaining PAOE.

Our chapter meeting was held February 6th. This was a dinner meeting along with an auction. This was a great opportunity to invite a colleague or friend and introduce them to our local chapter.

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, renewal date and while you are there check your bio to make sure all the information is correct and up to date. This helps our chapter leadership tremendously.



Eric Mulliniks
918.382.6432
ericm@aaon.com



WEBMASTER/ECC

By Justin Stonehocker

Staying connected...

We humans appear to be naturally curious and sometimes even sentimental about the flurry of day-to-day activities that influence and/or shape our everyday lives. I think that’s one of the reasons that we have been so eager to accept and even embrace new technologies just to keep up. Whether it's the desire to check your HVAC system online, or just check in and make sure the family pet is not sleeping on the couch while you're away, we are constantly embracing new “connective” technologies.

For some of us, it is important to “stay connected” to our friends and family both near and far using social media. For others it is important to stay informed and share our thoughts, our feelings, or more importantly the latest [presidential meme](#). But seriously, many of us have come to accept that the Internet Of Things (I.O.T.) is quickly and effortlessly increasing our ability to become connected in our surroundings, our homes and our community. This is probably a contributing factor to the explosive growth seen by social media platforms like Twitter, Facebook and LinkedIn, which have acquired prolific numbers in new users over the past several years.

If you are one of those individuals that feels the need to stay connected with current events and the future plans of our ASHRAE chapter, consider following us on Facebook, or join our LinkedIn group. Also, feel free to stop by our chapter’s web site. We would love to help you stay connected with our members and community.



Justin Stonehocker
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Tulsa, Oklahoma

Newsletter of the NEOK Chapter of ASHRAE Region VIII

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YEA

By Jason Blair

FeBREWary!

YEA started January off on a high note at the Tulsa Climbing Center. Please join your YEA chapter at our FeBREWary happy hour on Thursday the 28th. Event will begin at 5:00, hope to see you there!

Sponsor by:



Please join your YEA chapter at our FeBREWary happy hour:
 02/28/2019
 5:00pm
 Marshall Brewery
 1742 E 6th St
 Tulsa, OK 74104

Contact:
Jason Blair
jblair@harrisonenergy.com



Jason Blair
918.232.7654
jblair@harrisonenergy.com



Tulsa, Oklahoma

Newsletter of the NEOK Chapter of ASHRAE Region VIII

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NEWSLETTER

By Melissa Manjarrez



2019 - Chapter Regional Conference

Cancun, Mexico | April 11-13, 2019

CRC (Chapter Regional Conference) the annual meeting for all 15 chapters in ASHRAE Region VIII. The CRC is a golden opportunity for all the chapters to come together and learn about and from each other. CRC ends with the big event of the awarding of the Golden Gavel to the best chapter of the year.



2019 ASHRAE Annual Conference

Kansas City, MO | June 22-26, 2019

The 2019 ASHRAE Annual Conference will be held in Kansas City, June 22-26, 2019. The Technical Program along with Committee meetings, Registration, Bookstore, and Speakers Lounge will be held at the Kansas City Marriott and Kansas City Convention Center.



2020 ASHRAE Winter Conference & AHR Expo

Orlando, FL | February 1-5, 2020

The 2020 ASHRAE Winter Conference will be held in Orlando, FL! The Technical Program along with Committee meetings, Registration, the Bookstore and Speakers Lounge will be at the Hilton Orlando and Orange County Convention Center.



Melissa Manjarrez

918.877.6000

mmanjarrez@cyntergy.com



NEOK Booster Ticket Application

<u>Option</u>	<u>Name / Firm</u>	<u>Qty</u>	<u>Price</u>	<u>Total Price</u>
Individual Booster Ticket			@ \$175	\$
Corporate Booster Ticket			@ \$200	\$
Corporate Booster Meals			@ \$25	\$
Student Booster Ticket			@ \$175*	\$
Student Booster Meals			@ \$25*	\$
Total Paid:				\$

* Tax deductible donation for the benefit of the Chapter

Company Name: _____ Contact Person: _____

Street Address: _____ Phone Number: _____

City, State, Zip: _____ Email Address: _____

Make checks payable to: NEOK ASHRAE

Mail checks to: NEOK ASHRAE
PO Box 52746
Tulsa, OK 74152



2018/2019 Calendar of Events

Important Dates

September 7, 2018
 September 20, 2018
 October 3, 2018
 October 11, 2018
 November 7, 2018
 November 15, 2018
 December 5, 2018
 December 13, 2018
 January 17, 2019
 January 24, 2019
 January 13-16, 2019
 February 6, 2019
 February 14, 2019
 February 19-25, 2019
 March 6, 2019
 March 14, 2019
 April 3, 2019
 April 11, 2019
 April 25-28, 2019
 May 1, 2019
 May 09, 2019
 May 18, 2019
 June 8, 2019
 June 22, 2019
 June 22-26, 2019

Meeting

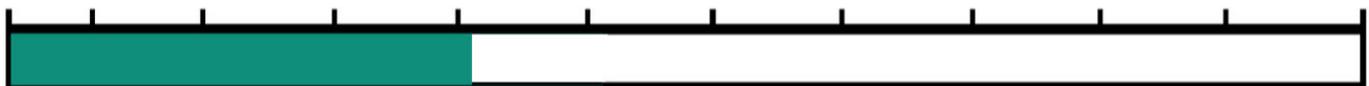
Board of Governors
 Golf Tournament
 Chapter Meeting (Lunch)
 Board of Governors
 ASHRAE Winter Meeting
 Chapter Meeting (Dinner)
 Board of Governors
 National E-Week
 Chapter Meeting (Lunch)
 Board of Governors
 Chapter Meeting (Dinner)
 Board of Governors
 CRC
 Chapter Meeting (Lunch)
 Board of Governors
 Spring Shooting Event
 YEA Poker Night
 Board of Governors/LRP
 ASHRAE Annual Meeting

Location

Tulsa Country Club
 LaFortune Golf Course
 Tulsa Country Club
 Atlanta, GA
 Tulsa Country Club
 Tulsa Country Club
 Worldwide
 Tulsa Country Club
 Tulsa Country Club
 Tulsa Country Club
 Tulsa Country Club
 Cancun, Mexico
 Tulsa Country Club
 Tulsa Country Club
 TBD
 TBD
 TBD
 Kansas City, MO

2018/2019 NEOK PAOE Points

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





2018/2019 Chapter Volunteers

Officers

President	Nolan Chance
President Elect	Brady King
Treasurer	Claire Farr
Secretary	Steve Uerling

Voice

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Board of Governors

BOG	Keith Averitt	918-624-1005
BOG	Dan Owens	918-270-1414
BOG	Ray Gomez	918-584-0102
BOG	Mike Beda	918-706-8309

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Committee Chairs

CRC Delegate	Matt Petersen	918-599-4120
CRC Alternate	Nolan Chance	918-877-6000
Attendance/Reception	Pam Dunlap	918-587-4747
Audit	Chad Smith	918-665-6600
CTT/Programs	Andrew Sneed	918-584-0102
GGAC	Todd Lester	918-877-6000
Graphic Designer	Christina Liu	973-349-2225
Historian	Gene L. Redford	918-346-0444
Honors & Awards	Mike Beda	918-706-8309
Invocations	David Lam	918-250-5590
K-12 STEM	Cheyenne Reynolds	918-224-6560
Membership Promotion	Eric Mulliniks	918-382-6432
Newsletter	Melissa Manjarrez	918-877-6000
Nominating	Joel Karstetter	918-665-3974
Publicity / Social Media	Will Karstetter	918-877-6000
Refrigeration		
Research Promotion	Paul Oman	918-249-1918
Special Events Co-Chair	Duane Harman	918-382-6173
Special Events Co-Chair	Ryan Dunkerson	918-430-6793
Student Activities	Jacob Koch	918-836-0271
Sustainability	Stephanie Shaulis	918-858-4942
Webmaster/ECC	Justin Stonehocker	918-279-6450
YEA	Jason Blair	918-232-7654

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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). It does not present official positions of the Society nor reflect Society policy.

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