Table of Contents

President’s Message: March 2020 2
CRC Houston 2020 Save the Date Flyer and Updates! 3 & 4
YEA: March Dates and News 5
Honors & Awards: Marketing & Getting Involved! 5
History: Women’s History Month 6
Research Promotion: Sporting Clay Event Rules 7
Membership Promotion: Congratulations! 7
Social Media: A Valuable Resource 8
Student Activities: March College Visits 8
CTTC: March Chapter Meeting 9
Sporting Clay Event Registration Flyer 10
Sustainability: March Updates 11
Diversity: Discover Engineer’s Week 12
Government Affairs: March News and Recap 12
Sponsor Menu 13
January BOG / Chapter Meeting Minutes 14-16
Upcoming Chapter Schedule of Events 17
ASHRAE COK Chapter Contact Info 18

UPCOMING EVENTS

- March Chapter Meeting
  March 3rd, 11:30am Meeting
  Will Rogers Theatre, 4322 N Western Ave, Oklahoma City, OK, 73118
  Speaker: Esti Tierney & Bruce Barrett, Multistack
  Topic: Variable Primary Flow and Heat Recovery Chillers

- March Board of Governors Meeting
  March 23rd, 11:30am Meeting
  Ingrids Kitchen, 3701 N Youngs Blvd.
  Oklahoma City, OK, 73112

- April Chapter Meeting
  April 1st, 11:30am Meeting
  Will Rogers Theatre, 4322 N Western Ave, Oklahoma City, OK, 73118
  Speaker: Oscar Peraza, Johnson Controls
  Topic: Refrigerant Update
President’s Message
By: Madison Schultz
March 2020

Hello ASHRAEcok Family!

I am super excited to serve as your President this year! My goal for the year is to **Empower Members**. We are lucky to have so many wonderful volunteers helping this year so this year will be jam-packed with events; I hope to see you at many of them.

We have so many chapter events planned for the next two months! In March, there is the **Monthly Chapter Meeting** on the 3rd (which is on **Tuesday**, not our usual Wednesday), **YEA Mentor Matching** on the 5th, the 2020 ASHRAEcok Sporting Clays Event on the 13th, **YEA Board Game Night** on the 19th, the **Board of Governors Meeting** on the 23rd, and the **Sustainability Spring Service Project** on the 28th. Whew, we have an exciting month ahead of us; I hope to see you there!

I have a big shout-out this month: I want to thank Craig Yadon. Craig is the Sustainability Committee Chair this year. This is his first year as the committee chair and he started the year with high expectations. He set the goal of planning, not just our usual two sustainability events, but adding a third event. We already had our annual river clean-up in the fall, and will have our annual event with Rebuilding Together OKC in April. I am delighted to announce that the Central Oklahoma Chapter of ASHRAE will be partnering with Habitat for Humanity for our first house framing event in years! I cannot wait to see all of you to help frame a house on March 28. Thank you Craig!

We had a fantastic Government Outreach Day in February. Did you know that in conjunction with the Northeast Oklahoma Chapter we are trying to get engineering representation on the Oklahoma Uniform Building Code Council? If you are interested in helping with that endeavor, see me or Byron Hughes.

If you are a YEA Member and have not already attended, I strongly recommend that you attend the **YEA Leadership Weekend 1.0** in Minneapolis, MN on May 15-17. Registration will open soon. If you have already attended the YEA Leadership Weekend 1.0, I strongly recommend that you attend the **YEA Leadership Weekend 2.0** in Palm Springs, CA on May 1-3 (Psst, I will be leading this weekend so sign up to hang out with the cool kids). Registration is currently open. The class size is limited to 20 people so will fill up quickly! Registration for both weekends is at ashrae.org/yea.

The chapter has an extensive slate of programs this year. These include providing funding to students who attended the Winter Conference and AHR Expo, sponsoring lunch for Student Branch Meetings, scholarships, partial funding to send volunteers to training, and so much more. To fully fund all of our programs, we need to raise almost $4,000. The Board of Governors and a few select committee chairs have contacted companies who have staff that are current ASHRAE members to see if they are interested in helping. Included in this newsletter is the Sponsorship Menu. If you or your company are interested in participating, please fill out the form and send it to our Treasurer.

I am looking forward to seeing you at the March Chapter Meeting on March 3. I am pleased to welcome our featured speakers Esti Tierney and Bruce Barrett from Multistack who will be speaking on **Variable Primary Flow and Heat Recovery Chillers**. As a reminder, our new location is **Will Rogers Theater** at 4322 N Western Ave, Oklahoma City, OK 73118.

All the committee chairs are hard at work planning spectacular events for the year. Please reach out if you want to get engaged with all they are doing or if you have an idea for an event or activity that will empower members.

Madison
Hotel registration and additional details later! Stay Tuned

ASHRAE REGION VIII CRC Houston 2020 April 23rd to 25th, 2020
HVAC&R Industry Pilot Historical Plaque Presentation April 26th, 2020
Houston Chapter ASHRAE Sponsoring Entity 2019-20
First Presbyterian Church
902 West Green Ave

Orange, Texas 77630
Stark Lutcher Foundation

As Chair for Region VIII CRC Houston 2020 I would like to extend an invitation to join us next year at the listed time and place during ASHRAE’s 125th Anniversary Year. I know we will have a good time and get a lot of ASHRAE work accomplished. Early Bird Golfing 8:00 A.M. for Wednesday arrivals on April 23, Welcome Party, ASHRAE General Business Meeting President’s Luncheon, Spouse’s Activities Old Town Spring Antique & Craft Shopping, Cooking Demonstration, Three Tech Sessions and Tech Tour of HARC LEED Platinum Building, Restaurant Dine Around and Awards Luncheon and CRC Training Sessions for Chapter Officers and Committee Chairs. Looking forward to seeing you here, then!

Bruce L. Flaniken, P.E.
Chair Region VIII CRC Houston 2020
ASHRAE uses a lot of acronyms. People ask: “What is a CRC?” It’s an acronym for Chapter Regional Conference. Central Oklahoma is one of 15 chapters in Region VIII. Region VIII is basically Arkansas, Oklahoma, Texas, a portion of Louisiana and Mexico. The Region meets annually in the spring. These meetings move around the Region being hosted close to where a Chapter exists. In 2020 the CRC will be hosted by the Houston Chapter April 23-25.

Who should attend? Everyone that is a member, and bring your spouse, children or other guest. A trip to Houston with children can be quite educational. Your spouse or companion will have special activities. Our Members will have access to some top-notch seminars, and you can learn more about how ASHRAE functions. Yes, there are some officer and committee training seminars where you can delve deep into what happens on a chapter and regional level.

More than the training and seminars this is a first-class chance to advance your career through networking and learning from others in the HVAC industry. There will be lots of good food and beverages with plenty of social time to enjoy yourself.

Good food, good fellowship and the chance to advance your career. Everyone should try to attend.

**Book your group rate for ASHRAE REGION VIII CRC HOUSTON 2020**

You will find the information for your online reservation link below. If you have questions or need help with the link, please do not hesitate to ask. We appreciate your business and look forward to a successful event.

**Event Summary:**

ASHRAE REGION VIII CRC HOUSTON 2020  
Start Date: Wednesday, April 22, 2020  
End Date: Sunday, April 26, 2020  
Last Day to Book: Wednesday, April 8, 2020

Check your email or reach out to your ASHRAE Officers for more information including schedule of events, Spouse activities and group tours, and more!
Young Engineers Association (YEA)

March Dates and News
By: Gavin Swenson

Mentor Matching is March 5th! This month we’ll also see YEA Board Game Night, so keep your eyes peeled for your invites. I’ve received a lot of great event ideas the last few weeks, so thank you to everyone and keep the ideas coming!

If you need anything or have any ideas you’d like to see implemented in our YEA program, please contact me at gswenson@eei-ok.com

Honors and Awards

Membership Opportunities
By: Tino Mendez

Marketing and Getting Involved!

Several years ago, while a member of the Handbook Committee, I became aware of how many Technical Committees ASHRAE had and how many of them were very narrowly focused on a unique problem. Back at the office, we had received an RFP from an oil company for a large building to be built in Texas. The facility was to house an oil drilling Rig under Arctic conditions. At the time the Alaska oil rush was in full swing and they wanted to see what would happen to their equipment at minus 40 degrees and what changes they needed to make in order to minimize field problems. How do you maintain the inside of the facility at minus 40?

After discussions we decided that a consultant in Cryogenics was needed and I set out to find one. I found that ASHRAE had a Committee that was already tasked to do that and found the name of the then Chair of the Committee and his phone number.

After telling him who I was and what I was after, I was the first person to contact him on that project, he agreed to be our exclusive consultant for the project.

If you are not involved in ASHRAE, these opportunities are not so easily available to you.

Get involved!
March is Women’s History Month. Female participation in ASHRAE has certainly changed over the decades. On August 16, 1972, Andrew T. Boggs III, Executive Director of ASHRAE Society, wrote a letter to all chapter presidents stating that the society wants to consider activities which will interest women to become active in our industry and join the society, and that they are looking for feedback from the chapters. The letter asked how many women are members of our chapter? Our chapter president, Earl McKinney wrote back: “Our chapter has 0 women members.”

The Oklahoma Chapter, chartered in 1935, was run exclusively by men for approximately 5 decades. Believe it or not, but I have a photo in our chapter archive from a 1977 chapter meeting where there is a poster hanging on the wall behind the speaker’s podium that has a girl in a see-through bikini. The poster was an advertisement for the metric system! It listed the model’s measurements as “92-61-92”. I have another photo from a chapter meeting sometime in the 1980’s where, apparently, someone hired a “stripogram” woman to come to the meeting and sing happy birthday to a member. Times were different back then.

The Central Oklahoma Chapter didn’t have any women members at the time of that 1972 letter from Society, but apparently the call to action in the letter got Membership Chairmen Bobby Vermillion going because just two short months later, the chapter got our first female chapter member: Carolyn Rae Crawford, a sales engineer at a Besco Sales.

Carolyn went on to work for R & B Equipment Company, and it was while she worked there that she became the first ever female Central Oklahoma Chapter President in 1984. She was also the first female chapter president in all of Region VIII. Our second female chapter president was Diana Grundmann in 1988, a Building Engineer at Southwestern Bell Telephone. Our third is our current president, Madison Schultz.

The Central Oklahoma Chapter elected our first female president long before Society did. Lynn G. Bellenger was the first Society-level female president, but she didn’t hold that office until 2010.

Society, however, did have at least one female member long before our chapter did. Mary Engle Pennington (known as “The Ice Lady”) was born October 8, 1872, attended the University of Pennsylvania in 1890 and earned her Ph.D. in 1895 with her study ultimately leading to refrigeration engineering and safe handling, storage, and transportation of food. She became a member of ASRE in 1920 and was elected ASRE Fellow in 1948. ASRE merged with ASHAE to become ASHRAE in 1959, thereby, in my opinion, making her the first female ASHRAE member as of 1920. She died in 1952 and was inducted into the ASHRAE Hall of Fame in 2007.

Today, almost 50 years since getting our first female chapter member, our member database shows that we are still only about 7% female chapter members. That’s very low. In 2017, approximately 22% of undergraduate engineering students were women. This has to make you wonder, what keeps women from entering the HVAC&R industry in general, and ASHRAE in Oklahoma specifically?

Dusty Stoabs, PE, LEED AP
ASHRAE Central Oklahoma Chapter Historian
Research Promotion

Sporting Clay Event Rules
By: Chris Dolan
See Page xxx for Sporting Clay Registration!

Back by popular demand this year is Central Oklahoma Chapter Sporting Clay's Tournament. This event will raise money for ASHRAE Research Promotion. Please mark your calendar and fill out your sponsorship form soon!

*Ammo will not be provided.

11:30am Registration
12:00pm Lunch
12:30pm Mandatory Safety Meeting
1:00pm Shotgun Start

Rules of this course:
1. If shooter misses Safety Meeting, he/she will not be allowed to enter competition or shoot.
2. All participants (shooters & volunteers) must sign a waiver form upon arrival.
3. Eye and Ear protection is mandatory.
4. Shotguns must be open and empty until in the stand ready to shoot.
5. Ammunition shot size must be 7 ½, 8, or 9 & not over 1 1/8
6. Carry shotguns with muzzle either pointed up or down.
7. No alcoholic beverages on Silverleaf Property.

To contact me, please email me at cdolan@eei-ok.com

Membership Promotion

Congratulations!
By: Tanner Jones

I want to congratulate Jason Keyes, Jon Wilmore and Cory Futrell on their membership upgrades from Associate Level to Member Level! For all Associate Level members, you can upgrade with 12 years of industry experience including school. Please let me know if you need help upgrading!

Lastly, Diversity in ASHRAE along with Membership Promotion will be co-hosting a happy hour geared toward Diversity in ASHRAE on March 19th. Be on the lookout for more information at our March meeting.

If there are ever any questions over membership or involvement, please send me or the MP Team below an email.

Caleb Spradlin (cspradlin@hpengineeringinc.com) – Committee Member
Heather Martin (hmartin@rbakins.com) – Committee Member
Alex Roswell (aroswell@psaokc.com) – Committee Member
Conner Walters (connerw@harrisonorr.com) – MP Co-Chair
Tanner Jones (tkjones@eei-ok.com) – MP Chair
Social Media

A Valuable Resource
By: Kaylee Oliver

Get more engaged with Central Oklahoma ASHRAE by following us on social media. It’s a great resource to see up to date information regarding meeting times, YEA events, and to find photos of everything that’s happening with ASHRAE!

Follow us @ASHRAEcok on Facebook and Instagram!

Thanks!
Kaylee

Student Activities:

March College Visits
By: Robert Smith and Don Carter

The month of March and April will be packed with visits to The University of Oklahoma, Oklahoma State University, University of Central Oklahoma, and Oklahoma City Community College.

Please get in contact with me if you would like to attend these events.

If you are a current Student Member and are interested in learning more about the operation side of ASHRAE, or a Student Branch Advisor and know of a Student Member that would be interested, please let Robert or Don know.

If you are involved in different activities either at the K-12 level, or the post high school level, please let us know, so we can list the activity in our newsletter and receive PAOE points. If you are involved in an activity and need volunteers, please let us know so we can help you get the word out for volunteers.

Robert Smith, rsmith@eei-ok.com
Don Carter, doncarterconsulting@gmail.com
Chapter Technology Transfer

March Chapter Meeting

By: Jon Wilmore

Please join us Tuesday, March 3rd, for a discussion on Variable Primary Flow Chilled Water Systems. Esti Tierney and Bruce Barrett with Multistack will be our presenters.

Esther K. Tierney
Esti has been working in the HVAC industry since 2005, currently serving as Manager of the Sales & Applications Department at Multistack, LLC in Wisconsin. Since earning her MBA she is able to pursue her interests in energy efficiency as well as her passion for working with people. In her free time she enjoys spending time outdoors with her two children.

Bruce Barrett
Bruce Barrett is a Regional Sales Manager for Multistack. He has over 24 years of experience in HVAC, including manufacturing, engineering, marketing and strategic sales. Bruce holds a BS degree from Winona State University of Minnesota in Economics and Social Science. Multistack is an innovator in both packaged and modular chillers.

See you there.
2020 Sporting Clays Tournament
Friday, March 13th, 2020

Silverleaf Shotgun Sports
8513 S. Douglas
Guthrie, OK 73044

11:30 AM: Registration
12:00 PM: Lunch
12:30 PM: Mandatory Safety Meeting
1:00 PM: Shotgun Start

Registration Includes:
Entry to all ten (10) stages
50 target rounds
Ear Plugs
Safety Glasses
Lunch
Snacks & Drinks
*Ammo will not be provided

Rules of this course:
1. If shooter misses Safety Meeting, he/she will not be allowed to enter competition or shoot.
2. All participants (shooters & volunteers) must sign a waiver form upon arrival.
3. Eye and Ear protection is mandatory.
4. Shotguns must be open and empty until in the stand ready to shoot.
5. Ammunition shot size must be 7 ½, 8, 9 & not over 1 ¼
6. Carry shotguns with muzzle either pointed up or down.
7. No alcoholic beverages on Silverleaf Property.

REGISTRATION FORM
Registration form and payment are due no later than March 6th, 2020

NAME: ____________________________
COMPANY: _______________________
EMAIL: __________________________

Additional Team Members:
_______________________________
_______________________________

☐ Individual Entry ($100)
☐ Team Entry ($400)
☐ Cart Rental ($50)
☐ Check Enclosed
☐ Visa ☐ MasterCard

NAME ON CARD: ___________________ BILLING ZIP: ___________
CARD NUMBER: ___________________ EXP DATE: _______ CVC# _______

Costs:
$100 per person
$400 per team
*Limited to four (4) people per team

Sponsorships Available:
GOLD SUPPORTERS
$1,000 – includes
Main Sign recognition
4 Person Team

SILVER SUPPORTERS
$750 – includes
Station Sign recognition
4 Person Team
Sustainability / Community Service Projects

March Updates
By: Craig Yadon

Project #2. Habitat for Humanity

When: Saturday March 28, 2020 8:00am – 3:00pm Where: El Reno – Address TBD

We need: 15-20 Volunteers!!

This is a fantastic opportunity to show our community spirit and help frame a house for a very deserving family who otherwise might not have the resources to buy their home by conventional methods. For those who don’t know, H4H home owners are required to put in a set amount of “sweat equity” during the construction of their house which automatically gives them a special sense of ownership and we get to play a big part in that.

- No construction experience is necessary and you do not have to bring any tools. If you have a favorite hammer and nail bag, by all means bring it. Work gloves are provided onsite if you don’t own any.
- Wear clothing that you don’t mind getting dirty. Shoes must be closed toe shoes for safety so no flip flops or sandals. If you have your own hardhat and safety glasses, I would suggest bringing them.
- Family members 16 or older may participate.
- We will have water on-hand for our volunteers and lunch is also provided. I plan to bring some donuts and Kolaches for breakfast.
- I will be sending out a waiver that will need to be completed and brought to the site or returned to me.
- We will be participating with another group of volunteers and I will provide more details as they become available.

Please don’t miss out on this wonderful opportunity to make a difference in someone’s life.

Project #3. Rebuilding Together (When: April 2020)

In the spring we will also partner up with Rebuilding Together which is a local organization that “brings volunteers and communities together, improving the homes and lives of senior homeowners here in the Oklahoma City metro area.”

If you are interested in helping with one or all of these opportunities or if you have any questions, please contact Craig Yadon (cyadon@mechsales.com). Calendar invites and any additional information required will be sent to all current ASHRAE members prior to the event.
Diversity

Discover Engineer’s Week

By: Aruna Abhayagoonawardhana

As part of Engineer’s Week, 15 students visited Tinker Air Force Base (TAFB) to participate in the “Engineer for the Day” program on 20 February. Five of the students (two girls and three boys), were sponsored by 72 ABW Civil Engineering at TAFB. Students learned the base mission and toured TAFB to see how engineering principles are used day to day to provide air power to the war fighters. They also learned the evolution of drawings from Mylar to AutoCAD and how to scale engineering drawings. Students also visited the Base Fire Department to learn about aircraft rescue mission. Students were able to tour the fire rescue training aircraft to experience the procedures first hand. Students wrapped up the day’s activities by attending the Joint Engineering Society Banquet at Oklahoma Christian University. This year’s speaker was Mr. Richard Willoughby, Senior Design Engineer with Ditch Witch, who talked about design and development of ground engaging attachments for ground equipment.

Government Affairs

March News and Recap

By: Byron Hughes

On February 25th 2020 several members of our local ASHRAE chapter along with several from the NE Oklahoma chapter will have met with our state representatives in hopes of encouraging adoption of new legislation in reference to our states energy codes. Both chapters have been in discussions and have been able to have a bill sponsored (SB1676) which will add a requirement to the OUBCC that at least 1 member of the commission be a mechanical engineer currently licensed by the state of Oklahoma. Unfortunately this bill was voted on February 20 and it ended in a tie and therefore will not be advanced. However we will continue to pursue all avenues in order to continue this process.

Next month please look forward to updates from our Government Outreach day. If you are interested in participating in Government Activities or if you have any questions or suggestions please feel free to contact me at bhughes@rbakins.com
2019-2020 Sponsorship Menu

Thank you for your support of ASHRAE’s Central Oklahoma Chapter!
How would you like to be recognized?

Available to a single donor: For a donation in the amount of $10,000, be the
2019-2020 ASHRAEcok Patron

- Sporting Clays Platinum Sponsor
- Poker Tournament Platinum Sponsor
- Sponsor 6 Students to the ASHRAE Winter Meeting and AHR Expo
- YEA Events Sponsor
- Student Branch Meetings Sponsor
- Diversity in ASHRAE Events Sponsor
- Distinguished Lecturer Sponsor
- Pre-Pay for 2 people to attend all 8 Monthly Chapter Meetings
- Recognition at all Monthly Chapter Meetings

For donations in increments of $500, choose one of the following:

- Sponsor a Student to the ASHRAE Winter Meeting and AHR Expo
- Scholarship Sponsor
- Companions’ Night Sponsor

For donations in increments of $300, choose one of the following:

- YEA Event Sponsor
- Student Branch Meeting Sponsor
- Diversity in ASHRAE Event Sponsor
- Distinguished Lecturer Sponsor

For donations in increments of $100:

- Chapter Meeting Recognition

Name: ___________________________ Company: ___________________________

Phone: ___________________________ Email: ___________________________

Name to be recognized: ___________________________ Donation Total: ___________________________

Make checks payable to “ASHRAE Central OK Chapter” and send to:
Stephanie Thomas
Moxify Engineering
4334 NW Expressway, Suite 156
Oklahoma City, OK 73116, US

Please send logo .jpg to Caleb Spradlin (cspradlin@hpengineeringinc.com)
ASHRAE COK  BOG Meeting Minutes
By: Caleb Spradlin

Meeting Date: 01/20/2020
Meeting Location: Ingrids

Meeting Minutes

Attendees:

Chapter Officers:
Madison Schultz – President (Present)
Chris Dolan – President Elect (Present)
Caleb Spradlin – Secretary (Present)
Stephanie Thomas – Treasurer (Present)
Jeff Forman – Vice-President (Present)

Board of Governors:
Aruna Abhayagoonawardhana (Absent)
Tony Arango (Absent)
Don Carter (Present)
Kaylee Oliver (Social Media Chair) (Absent)
Damon McClure (Present)

Quorum Present

Committee Chairs:
Justin Love (Refrigeration Chair) – Absent
Chris Dolan (Research Promotion Chair) - Present
Tanner Jones (Membership Promotion Chair) - Present
Dusty Stoabs (Historian) - Present
Robert Smith (Student Activities/Scholarship Chair) – Present
Tino Mendez (Honors & Awards Chair) – Absent
Alex Roswell (Newsletter) – Absent
Byron Hughes (GGAC) - Absent
Criag Yadon (Sustainability) - Absent
Andy Donehue (Special Events) – Absent
Joe Sanders (Electronic Communications) - Present

President Madison Schultz called the meeting to order at 11:34 am

Fundraising:
Madison has had $1800 in pledges to date.
Don Carter has contacted all on his list, no pledges yet.
Damon has not contacted anyone on his list.
Jeff Forman has not contacted anyone on his list.
Gavin has reached out to all but 2, all tentative.
Robert has contacted 10 from his list. Has 1 confirmation.
Chris Dolan – ABS is tentative.

Madison will send out fundraising email to forward to potential donors to all fundraisers.
**Goal:** by next BOG to follow up with all yes and tentative contacts.

All events to be sent to Joe Sanders. All pictures from events to be loaded up to basecamp.

Nominating Committee – names need to be sent to Secretary so that Secretary can send names to membership by Jan 31st.

Winter Conference is at the beginning of Feb.

Spouses/Companion Event
Still need a chair

Treasurers Report – Stephanie Thomas
Don Carter Motion to accept Treasurer’s Report, Damon McClure Second, Passes Unanimously.

**Committee Reports** –
- CTTC Report – Jon Wilmore
- All round table for Feb Meeting confirmed
- Need more questions sent out to panel before meeting.
- Link for questions sent out this morning

(Continued on next page)
Meeting Minutes

- Diversity in ASHRAE – Abhayagoonawardhana
  - ECC – Joe Sanders
  - Updating PAOE – Need to update Social Media
  - More people need to send events to Joe
  - Membership Promotion – Tanner Jones
  - Needs to do a diversity in ASHRAE event, will coordinate with Aruna.
  - PAOE updated.
  - Checked in with CRC
  - Working on a joint YEA event
  - Student Activities/ Scholarship – Robert Smith
  - Students attending Winter Conference - 6 from OU, 4 from OSU
  - Planning and event at OCCC.
  - Need more K-12 events
  - Checked in with RVC
  - Government Activities – Byron Hughes
  - OUBCC is forming a technical committee to review and compare the 2012 and 2015 and 2018 IECC codes.
  - Research Promotion Report – Chris Dolan
  - Sporting Clays March 13th. Invite will go out soon.
  - Push to get more general contractors involved as sponsors.
  - Special Events – Andy Donehue
  - Historian Report – Dusty Stoabs
  - Updated PAOE
  - Working on 5-year history, needs to be done end of Feb.
  - Sustainability Report – Craig Yadon
  - All events scheduled
  - Will send out email for a headcount to book one of the events. A certain number of volunteers is needed.
  - Habitat for Humanity is in March – Needs headcount for volunteer commitment.
  - Rebuilding together is in April
  - Golf Report - Bryan Garcia
  - Newsletter Report – Alex Roswell
  - Refrigeration Report - Justin Love
  - Joint YEA/Refrigeration event should be in late April
  - YEA – Gavin Swenson
  - Event Jan 30th – Mentor matching. Location – EEI
  - Sponsor needed.
  - Expecting invite to be sent tomorrow.

- Calling mentors to attend.
- Feb Event – Poker Practice
- March Event – Board Games
- Honor & Awards - Tino Mendez
  - Needs Madison’s ASHRAE Bio
  - Will write up CRC motion for Chapter Nominating committee and Honors and Awards chair to access chapter member bio’s.
  - Will check if president can give administration rights before writing up Motion.

Webmaster – Jeremy Wood

New Business

Next BOG meeting is February 17th at Ingrid’s.

M. Schultz adjourned the meeting at 12:24 pm.

Submitted,

Caleb Spradlin
ASHRAEcok Secretary 2019-2020
ASHRAE COK Chapter Meeting Minutes
By: Caleb Spradlin

Meeting Date: 01/09/2020
Meeting Location: Will Rogers Theater

Members: 71  Guests: 9  Students: 3

Chapter Officers:
Madison Schultz – President (Present)
Chris Dolan – President Elect (Present)
Caleb Spradlin – Secretary (Absent)
Stephanie Thomas – Treasurer (Present)
Jeff Forman – Vice-President (Present)

Board of Governors:
Aruna Abhayagoonawardhana (Absent)
Tony Arango (Absent)
Don Carter (Present)
Kaylee Oliver (Social Media Chair) (Present)
Damon McClure (Absent)

President Madison Schultz called the meeting to order at 11:34 am

Motion by David Royal to close the nomination and vote on the Nominating Committee of Joe Sanders, John Harrod, Heather Martin, Damon McClure, and Dusty Stoabs. Second by Brian Garcia. 66 yes votes. 0 no votes.

Jon Wilmore introduced speaker.

Ken Gilbert from Automated Logic spoke on High-Performance Sequences of Operation for HVAC Systems.

Madison Schultz adjourned the meeting at 12:47 pm.

Submitted,

Caleb Spradlin
ASHRAE COK Secretary 2019-2020
# Upcoming Chapter Schedule

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>Location</th>
<th>Topic</th>
<th>Presenter</th>
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<td>Oklahoma City, OK, 73118 11:30am Lunch</td>
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</table>
# 2019-2020 COK CHAPTER CONTACT INFORMATION

<table>
<thead>
<tr>
<th>Contact</th>
<th>Company</th>
<th>Phone</th>
<th>Email</th>
</tr>
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<tbody>
<tr>
<td><strong>OFFICERS:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>President</td>
<td>Madison Schultz</td>
<td>OK BeCo.</td>
<td>(405) 412.2686</td>
</tr>
<tr>
<td>Secretary</td>
<td>Caleb Spradlin</td>
<td>HP Engineering, Inc.</td>
<td>(405) 286.9945</td>
</tr>
<tr>
<td>Treasurer</td>
<td>Stephanie Thomas</td>
<td>Moxify Engineering LLC</td>
<td>(405) 254.5038</td>
</tr>
<tr>
<td>Vice President</td>
<td>Jeff Forman</td>
<td>Mechanical Sales Midwest</td>
<td>(405) 368.8883</td>
</tr>
<tr>
<td>President Elect</td>
<td>Chris Dolan</td>
<td>Engineered Equipment Inc.</td>
<td>(405) 525.7722</td>
</tr>
<tr>
<td><strong>BOARD OF GOVERNORS:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Board of Governors</td>
<td>Aruna Abhayagoonawardhana</td>
<td>United States Air Force</td>
<td>(405) 734.7222</td>
</tr>
<tr>
<td>Board of Governors</td>
<td>Kaylee Oliver</td>
<td>Moxify Engineering LLC</td>
<td>(812)455.3146</td>
</tr>
<tr>
<td>Board of Governors</td>
<td>Don Carter</td>
<td>Consultant</td>
<td>(405)413.8089</td>
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<tr>
<td>Board of Governors</td>
<td>Damon McClure</td>
<td>Harrison-Orr Air Conditioning</td>
<td>(405) 520.2492</td>
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<tr>
<td>Board of Governors</td>
<td>Tony Arango</td>
<td>Trane</td>
<td>(405) 834.7982</td>
</tr>
<tr>
<td><strong>COMMITTEE CHAIRS:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Student Activities and Scholarship</td>
<td>Robert Smith</td>
<td>Engineered Equipment Inc.</td>
<td>(405) 421.0053</td>
</tr>
<tr>
<td>YEA</td>
<td>Gavin Swenson</td>
<td>Engineered Equipment Inc.</td>
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</tr>
<tr>
<td>Chapter Research Promotion Chair</td>
<td>Chris Dolan</td>
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</tr>
<tr>
<td>Chapter Membership Promotion Chair</td>
<td>Tanner Jones</td>
<td>Engineered Equipment Inc.</td>
<td>(405) 206.6594</td>
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<tr>
<td>Chapter Technology Transfer Chair</td>
<td>Jon Wilmore</td>
<td>RB Akins Company</td>
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<tr>
<td>Chapter Grassroots Gov’t Advocacy Chair</td>
<td>Byron Hughes</td>
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<tr>
<td>Chapter Refrigeration Chair</td>
<td>Justin Love</td>
<td>Trane</td>
<td>(405) 943.6605</td>
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<tr>
<td>Chapter Sustainability Chair</td>
<td>Craig Yadon</td>
<td>Mechanical Sales Midwest</td>
<td>(405) 613.2610</td>
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<tr>
<td>Chapter Electronic Communications and Webmaster</td>
<td>Joseph Sanders</td>
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<tr>
<td>Chapter Historian</td>
<td>Dusty Stoabs</td>
<td>Streets, LLC</td>
<td>(405) 388.2271</td>
</tr>
<tr>
<td>Special Events Committee</td>
<td>Andy Donehue</td>
<td>Trane</td>
<td>(405) 943.6697</td>
</tr>
<tr>
<td>Chapter honors and special awards</td>
<td>Florentino Mendez</td>
<td>Retired</td>
<td>(405) 843.3579</td>
</tr>
<tr>
<td>Social Media Chair</td>
<td>Kaylee Oliver</td>
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<tr>
<td>Scholarship Chair</td>
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<td>United States Air Force</td>
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</tr>
<tr>
<td>Newsletter</td>
<td>Alex Roswell</td>
<td>PSA Consulting Engineers</td>
<td>(405) 213.7979</td>
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