



ENGINEAIRE

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Arkansas Chapter Newsletter for the American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

January 2020

The President's Message by Steve McConnell

Happy New Year to all ASHRAE members! I hope everyone enjoyed a wonderful holiday season and is ready for a great 2020.

We had a great turn out on December 18th for our Winter Technical Seminar. All of the sessions were set up to provide a comprehensive and in-depth program regarding updates to ASHRAE 90.1-2019. I would like to thank our speakers: Mike Wolfe (Greenheck), Mike Fullerton (Bernhard TME), Larry Spielvogel (ASHRAE DL, past 90.1 Chair), and David Handwork (Arkansas State University and 90.1 Member) and **Drew Grant**, President-Elect/CTTC Chair, and the CTTC committee for planning and implementing this outstanding continuing education opportunity. The CTTC committee is planning another technical seminar for some time in the Spring.

We have the privilege of hosting 2019-2020 ASHRAE Society President, **Darryl Boyce, PE**, for our Wednesday, January 8th chapter meeting. He will be delivering his theme for the Society year, "*Building for People and Performance. Achieving Operational Excellence.*" See the speaker spotlight within the newsletter for more information. He will also be speaking at the NWA chapter meeting on Thursday, January 9th.

Just a reminder, the ASHRAE Winter Conference and AHR Expo is coming up soon (February 1 – 5, 2020). Now is a great time to register and make plans to attend if you haven't already: <https://ahrexpo.com/> and <https://www.ashrae.org/conferences/2020-winter-conference-orlando> Students and advisors from Arkansas State and Arkansas Tech will be attendance as well.

The Sportsman's Raffle for RP has started back up. You can buy tickets online or in person at the chapter meetings between now and April 1st for \$20/each or 6 for \$100. Reach out to **Ron McCarty**, Research Promotion Chair, to obtain your tickets. This is a great way to help us reach our RP goal for the 2019-2020 year. There will also be another Poker Tournament in January as well. Check the newsletter for details & plan to attend if you can.

Chapter Meeting Announcement

Arkansas ASHRAE Chapter Meeting

Hosted by: Arkansas ASHRAE Board of Governors

Agenda for Wednesday, January 8th:

10:30-11:30 Board of Governors' meeting

11:30-12:00 Lunch Buffet and Announcements

12:00 - 1:00 *"Building for People and Performance. Achieving Operational Excellence."*

Speaker Spotlight:



Darryl K. Boyce, P. Eng., is ASHRAE's President for the 2019-20 term. Boyce has previously served on the board of directors as treasurer, vice president and director-at-large. He is the recipient of ASHRAE's Distinguished Service Award, Exceptional Service Award and Regional Award of Merit.

His theme for the Society year is Building for People and Performance. Achieving Operational Excellence.

"We must ensure operational performance for the people that live, work, and interact in buildings," said Boyce. "People must succeed within the buildings we create. Let's ensure we take the steps needed to achieve effective operational performance and operator experience."

In addition to his time served on the Board of Directors, Boyce has served as chair and coordinating officer for the Finance Committee and chair of the Members Council, Appointments Roadmap Committee and President-Elect Advisory Committee.

Boyce has held ASHRAE Society-level leadership roles on many standing committees, technical committees and presidential ad hoc committees.

Equipped with his extensive ASHRAE experience, Boyce plans to focus on how to improve operational performance of buildings by understanding and reducing the challenges between design, construction and operations.

"You may ask why should ASHRAE members care about operational performance? There are four reasons. First, we own buildings that we design, build, commission and operate. Second, it aligns with our mission of 'advancing human well-being.' Third, building operators need our help. Finally, reducing the environmental impact of building operations is good for the planet."

Boyce is special advisor to the Vice President of Finance and Administration and was previously an assistant vice president in facilities management and planning at Carleton University in Ottawa, Ontario. He has made contributions to creating a built environment since 1974.

Throughout his time spent with ASHRAE and in the HVAC industry, Boyce has worked on various projects to increase energy efficiency. His most recent projects include the SNOLAB project in Sudbury, Ontario, where he is responsible for the design and construction of a world class research facility for underground science. Boyce has also worked on the management of facility expansion projects for various universities.

Boyce is a 1982 graduate of the University of Alberta with a Bachelor of Science in Engineering and earned his Engineering Diploma from the British Columbia Institute of Technology in 1973.

Presentation Abstract:

Operational performance is an important process in the management of a building. Buildings often fall short on operating to the expectations of the building designers and operators. This is because designers are not always focused on operability during the design process and operators frequently do not possess the proper skills to adequately operate the technology incorporated into today’s buildings. ASHRAE and its members must take an active role in the ongoing training, engagement and action toward reducing the gap between design, construction and operations. This presentation will explore what ASHRAE is doing to achieve effective operational performance and operator experience, that is good for buildings, good for those who live and work within those building and good for the planet.

Chapter Meeting Calendar

2019-2020 Calendar Update:

Dates	Central	Meeting Topic	Speaker	ASHRAE DL
September	9/4/2019	Promoting the HVAC Industry for a Sustainable Future	Pam Duffy P.E.	Yes
October	10/2/2019	Overview of Balancing Hydronic Systems	Jerry Martin, Griswold Controls	
November	11/6/2019	Engineers are the Physicians of the Future	Dr. Stephanie Taylor, Taylor Healthcare Consulting	Yes
December	12/4/2019	Water-Energy Nexus	David Longacre, Baltimore AirCoil Company	
December	12/18/2019	ASHRAE 90.1 Winter Technical Seminar - 5 PDH's	Larry Spielvogel, Consulting Engineer, ASHRAE Fellow	
January	1/8/2020	Presidential Address	Daryl Boyce, Society President	
February	2/12/2020	To be Determined - Coming Soon	Jim Bradford, Harrison Energy Partners	
March	3/4/2020	Jeremias - Boiler Flue Systems	Larry Rohskopf, Jeremias	
March	3/18/2020	Spring Technical Conference - 5 PDH's	Victor Goldschmidt	Yes
April	4/1/2020	Panel Discussion and Promotion of the VRF Systems	Local Manufactures - Presented by Trane	
April	TBD 2020	Effects of Low Humidity and High Humidity on People, Buildings and Energy Performance	Host location - TDB	
May	5/7/2020	Past President's Night	Country Club of Little Rock	

We will have an “Early Bird Registration” for anyone that registers 48 hours prior to a Chapter meeting at \$20.00/ea. (*i.e. Chapter meeting, Wednesday @ 11:30am, early bird registration ends on Monday @ 11:30 am*). If you register after that time period or just show up without registering, we will charge you \$30.00.

Please see the [Arkansas ASHRAE Calendar](#) on the website for all other upcoming ASHRAE events.

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AR Chapter BOG Meeting Minutes



Board Meeting – December 4, 2019

Jake Skinner – Secretary

Members Present: Steve McConnell (President), Drew Grant (President Elect/CTTC), Cruz Eslick (Treasurer), Jake Skinner (Secretary), Ron McCarty (RP), Brody Barker (Newsletter), Russell Black (Historian), Josh Faulkner (GGA), Bill Simpson (BOG), Kim Koch (BOG), Randy Moore (BOG), Tracy Emmerling (Reception), Stephen Eoff (Reception), Daniel Nehus (Student Activities), Nick Moore (Social), Priscila Almeida (YEA), Chris Ahne (Honors & Awards), Clayton Kinley (Sustainability), TJ Bell (Refrigeration), Ryan Smith (Social Media)

Call to Order: 10:34 am

- **President – Steve McConnell**
 - MBOs and contact with DRC
 - PAOE **(Overall, currently at 4,510points)** – 2nd in the Region YTD
 - Encouraged committee chairs to take some time to review & enter in points for work they've done.
 - Working to Establish a chapter long term strategic plan (3 years) with goals for chapter growth, leadership, and financial stability. Will submit plan to DRC (Jon Symko) for approval by January 1st.
 - Winter Meeting/AHR Expo – Orlando (February 1-5, 2020)
 - CRC – Houston (April 23-25, 2020)
- **President Elect / CTTC – Drew Grant**
 - Lunch Meeting/Program – announce during meeting
 - 53 RSVPs
 - Speaker & Topic – Dr Stephanie Taylor, Humidity in Healthcare
 - Updated MBOs and been in contact with RVC
 - PAOE points updated
 - Speaker Database is up to date
 - Continuing Education – Winter Seminar (Wednesday, 12/18/19, 9:00a – 3:00p @ Heifer) Main theme is 90.1-2019 update.
- **Treasurer - Cruz Eslick**
 - Account balance updates
 - Status of Fall Golf/invoicing? – 8 outstanding invoices. Sent out reminders again.
- **Secretary – Jake Skinner**
 - November Meeting Minutes –Voted for approval at meeting.
- **Board of Governors – Kim Koch, Bill Simpson, Randy Moore**
 - Audit committee – review draft of 2017-2018 & 2018-2019 books – update from Randy Moore

- **Research Promotion - Ron McCarty**
 - MBOs and contact with RVC
 - RP efforts
 - Full Circle & Full Circle Plus donations have been achieved
 - Resuming RP Sportsman's Raffle – tickets for sale December through April (online now). Re-making tickets.
 - Working on early distribution of RP funds/POAE points by 12/31
 - Spring Trap Shoot – Schedule for 3/6/20

- **Membership Promotion – Jared Hendrickson (Chair)**
Membership Promotion Committee – Zach Oliver, Eric Blaylock, Ron McCarty
 - No new members to report

- **Student Activities - Fallon Lee (Chair)**
Student Activities Committee – Daniel Nehus (K-12 Stem)
 - Committee has been in contact with ASU, ATU and UALR student branches
 - Chapter has issued \$700 to ATU to help cover cost for students attending the Winter Conference

- **Historian – Russell Black**
 - Contact with RVC? – Will update in January
 - PAOE points updated? – Yes, current
 - Newsletter Articles – working on January
 - Leadership Recall with Bill Harrison – Filming at HEP, 2/12 after ASHRAE meeting.
 - \$420 for filming cost.
 - Digitizing Bill Goodman

- **Social/Special Events - Josh Robinson (Chair)**
Social/Special Events Committee – Nick Moore, Hunter Brock
 - No updates

- **YEA – Alex Halloran (Chair)**
YEA Committee - Phil Watson (Co-Chair), Priscilla Almeida, Hunter Brock
 - Next Social Event – Joint social, bowling event at Dust Bowl, 12/12 @ 6:30, joint with Student Activities.

- **Electronic Communication – Hunter Brock (Chair)**
 - Update on EC Activities
 - Posted December Meeting on Facebook
 - Posted December YEA/SA Social on Facebook
 - Will post December Winter Tech Seminar on Facebook
 - Working with Webmaster & President to update Chapter website on month basis

Webmaster – Andrew Naeyaert (Chair)/Tufail Muhammad (Co-Chair)

- No update

Newsletter – Brody Barker

- Next Month's Newsletter deadline is **Friday, 12/20?**
- Issue by **Monday, December 23rd**

Social Media – Ryan Smith

- Promoted Chapter Meeting & YEA/SA Bowling Social on Facebook
- Taking lots of pictures at meetings and events
- Working with other committees to update website, Facebook etc.

- **Government Affairs – Josh Faulkner**
 - Will be applying for E-Week proclamation this week
 - E-Week is February 16 – 27

- **Refrigeration – TJ Bell**
 - Coordinating with Drew/CTTC for VRF Round Table
 - TJ Bell will moderate round table
 - Questionnaire will be sent to all board members to request questions and interest in participating
 - Working with manufacturer’s reps to get speakers
 - Refrigeration plans – looking at different options for tours

- **Sustainability – Clayton Kinley**
 - Two sustainability activities have been planned:
 - Tech session: Heat Islands and Urban Forestry
 - Working with AR Forestry Commission

- **Honors and Awards – Chris Ahne (Absent)**
 - Member nominations for Chapter Service Award a& Regional Award of Merit
 - Ed Tinsley – Regional Award of Merit
 - Bill Simpson – Regional Award of Merit and Distinguished Service Award
 - Chris Ahne – Regional Award of Merit and Distinguished Service Award
 - Complete list of chapter members eligible for awards
 - Created an Honors and Awards spreadsheet that will be updated every year with chapter member volunteer activity. Email/Spreadsheet sent to some past presidents/volunteers requesting they review their bios and confirm if everything is correct so I can determine if they meet the criteria for Chapter Service Awards
 - Past President’s Night tentatively set for May 7th

Adjourned Approximately: 11:10 am

YEA & Student Activities

Student Activities University of Arkansas at Little Rock (UALR) Visit:

Josh Faulkner visited UALR and talked to about 25 freshman students in mechanical, electrical, civil, and construction management programs. He spoke about ASHRAE and the HVAC industry in general. He also spoke to them about interviewing skills, networking, and about making themselves stand out as graduates and getting internships in any feild that they may be considering.

Volunteering:

ASHRAE is looking for volunteers for the following activities:

- Judging Parkview Magnet High School Science Fair (January 2020)
- Judging Little Rock School District Regional Elementary Science Fair (February 2020)
- Speaking to Little Rock Schools Excel Construction Program (The class meets every day from 9:15-11:15 (Session 1) and from 1:15-3:15 (Session 2)).

If you are interested in volunteering to help out please contact Daniel Nehus at dnehus@harrisonenergy.com

Arkansas ASHRAE History

Russell Black, Arkansas ASHRAE Historian

In Arkansas ASHRAE history there have been two individuals who have been 2-term Presidents: Ed Tinsley (1989, 1990) and Alan Hope (1992, 1993). Furthermore, both of these historically significant Presidents have (2) other impressive commonalities: 1) they both later rose to be very successful owner/managers, and 2) both utilized their ASHRAE experiences to develop their personal human capital. Both had the big-picture vision to understand the opportunities that ASHRAE offered to help develop their leadership skills - the skills that served them both so well in their future business endeavors.

Human capital, as an economic term, was originated by Adam Smith in his seminal book *Wealth of Nations* (1776). Smith referred to human capital as “the acquired and useful abilities of all the inhabitants or members of the society” and said that these “talents” are acquired through avenues such as “education, study, or apprenticeship.” As the term is recognized today, many economists consider human capital the most important ingredient in any country’s economic growth and more importantly to our point, the single most important ingredient in any individual’s personal success.

ASHRAE presents many opportunities to expand any member’s human capital. As Bill Harrison, our former ASHRAE overall President, has observed: to lead an ASHRAE chapter and go through the various leadership positions is an MBA equivalent of skill development, that is, the exercise of communication skills, organizing skills, financial and budgeting skills, social networking skills, and leadership skills is a practical, hands-on experience of MBA-caliber value.

ASHRAE involvement can be an instrumental vehicle for developing your business talents. As Ed Tinsley noted in his leadership recall interview: “I have been very fortunate to have worked for several of the giants in Arkansas ASHRAE including Kent Pettit, Sam Cummings, and Bill Goodman. These individuals demonstrated to me that ASHRAE involvement would yield many personal returns including technical knowledge and lasting friendships.”

And in Alan Hope’s leadership recall interview, his list of influences is an ASHRAE social network of extraordinary individuals: Paul Briscoe, Kent Pettit, Bill Goodman, Don Huggins, Allen Bullard, Jim Monk, Don Roberson, John Oliver, Chris Call, Ed Tinsley and many others.

Today, it may be hard to visualize that Ed Tinsley once edited the Arkansas ASHRAE newsletter or that Alan Hope was the Chapter secretary, but they were developing talents that laid the foundation for their future success.

ASHRAE Events & Sponsorships

ASHRAE Winter Conference

Join ASHRAE this year in Orlando, Florida for the 2020 Winter Conference on Feb. 1st - 5th. [Click Here](#) to see more information about the event and how to get signed up.



Arkansas ASHRAE RP 2020 Trap Shoot:

Arkansas ASHRAE will be doing a trap shooting tournament in March of 2020. Teams will consist of five (5) shooters. The event Fee is \$750 and will include four (4) boxes of shells, lunch, and door prizes. Payment is due by March 6th, 2020. For more information please contact Ron McCarty, RP Chair - rmccarty@powersar.com OR 501-350-5728



The Arkansas Game and Fish Foundation
Shooting Sports Complex
2800 Graham Road
Jacksonville, AR 72076
(501) 241-2441

This state-of-the-art public shooting range facility at 2800 Graham Road in Jacksonville opened in early 2014. The multi-use complex is the largest of its kind in the state. It includes 14 trap fields, three skeet overlays, three lit fields, two pavilions, a fishing lake and a 5,100 square foot clubhouse that includes a learning center.



Lunch provided by



POTTORFF®



Arkansas ASHRAE Chapter
ASHRAE RP Campaign
Trap Shooting Tournament



March 6, 2020
12:00 pm. - 3:00 p.m.

The Arkansas Game and
Fish Foundation
Shooting Sports Complex
2800 Graham Road
Jacksonville
(501) 241-2441

ASHRAE Region VIII CRC Houston:

MARRIOTT.COM/HOUSTON
1200 Lake Plaza Drive • Spring, TX 77389
T: 281-350-4000 F: 281-288-1800



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



As Chair for Region VIII CRC Houston 2020 I would like to extend an invitation to join us here 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 Certifications

ASHRAE Certified HVAC Designer



ASHRAE certification programs were founded to meet industry need and today provide value to 1,000s of built-environment professionals, employers and building owners.

For the past 100+ years ASHRAE has worked hard to earn and maintain a worldwide reputation for being the leader in HVAC&R design. ASHRAE certification programs serve to reinforce that reputation.

Check out ASHRAE's newest certification, **Certified HVAC Designer (CHD)**.



ASHRAE certification programs:

- Are developed by industry practitioners who understand the knowledge and experience that are expected for superior building design and system operation
- Assure employers and clients of subject mastery
- Serve as a springboard for continued professional development
- Offer an easy-to-apply process
- Allow non-native English speakers additional testing time

[Click Here](#) for more information!

Chapter Officers, BOG, Chairs, and Committee Members

Region Name	REGION VIII
Chapter Code	062
Chapter Name	ARKANSAS
Start Date	07/01/2019
End Date	06/30/2020

Position	Name	Company	Phone	Email
President	Steve McConnell	Lewis Architects Engineers	501-240-5902	smcconnell@lemvrw.com
CTTC/ President Elect	Andrew Grant	Airetech Corporation	501-539-0136	drew.grant@airetechcorp.com
Secretary	Jake Skinner	Harrison Energy Partners	501-539-0301	jskinner@harrisonenergy.com
Treasurer	Cruz Eslick	Garver	501-376-3633	bceslick@garverusa.com
Research Promotion Chair	Ron McCarty	Powers of Arkansas	501-350-5420	rmccarty@powersar.com
Board of Governors	Kim Koch	INSIGHT ENGINEERING PLLC	501-237-3077	kkoch@insightpllc.com
Board of Governors	Randy Moore	Airetech Corporation	501-993-2116	rmoore@airetechcorp.com
Board of Governors	Bill Simpson	Harrison Energy Partners	501-539-0578	bsimpson@harrisonenergy.com
CRC - Delegate	Ron McCarty	Powers of Arkansas	501-350-5420	rmccarty@powersar.com
CRC - Alternate	Steve McConnell	Lewis Architects Engineers	501-240-5902	smcconnell@lemvrw.com
Membership Promotion Chair	Jared Hendrickson	Powers of Arkansas	501-517-2066	jhendrickson@powersar.com
Membership Promotion Co-Chair	Zach Oliver	Powers of Arkansas	501-944-1829	zoliver@powersar.com
Membership Promotion Committee Member	Eric Blaylock	Powers Of Arkansas	501-690-5510	eblaylock@powersar.com
Membership Promotion Committee Member	Ron McCarty	Powers of Arkansas	501-350-5420	rmccarty@powersar.com

Student Activities Chair	Fallon Lee	Cromwell Architects Engineers	501-766-0333	flee@cromwell.com
Student Activities Co-Chair/K-12 Stem	Daniel Nehus	Harrison Energy Partners	501-786-7405	dnehus@harrisonenergy.com
Student Activities Committee Member	Clayton Kinley	Trane	501-529-4321	clayton.kinley@trane.com
Student Activities Committee Member	Keith Clement	Trane	501-472-1416	Keith.Clement@trane.com
Historian	Russell Black	Air Filter Systems Inc	501-472-4255	russell@airfiltersystems.com
Technology Transfer Chair	Drew Grant	Airetech Corporation	501-539-0136	drew.grant@airetechcorp.com
Refrigeration	TJ Bell	Trane	501-529-7543	tj.bell@trane.com
Reception Committee (Chair)	Tracy Emmerling	Powers of Arkansas	501-529-1689	temmerling@powersar.com
Reception Committee	Brady Smith	Powers of Arkansas	501-529-6389	bsmith@powersar.com
Reception Committee	Stephen Eoff	Jack Tyler Engineering	501-804-7559	steoff@jteng.com
Electronic Communications Chair	Hunter Brock	Cromwell Architects Engineers	501-259-0745	hbrock@cromwell.com
Newsletter Editor	Brody Barker	CIS	501-246-9386	brody.barker@ci-sales.com
Webmaster	Andrew Naeyaert	Cromwell Architects Engineers	501-519-7908	anaeyaert@cromwell.com
Webmaster Co-Chair	Tufail Muhammad	Harrison Energy Partners	501-551-6032	TMuhammad@harrisonenergy.com
Social Media Chair	Hunter Brock	Cromwell Architects Engineers	501-259-0745	hbrock@cromwell.com
Social Media Co-Chair	Ryan Smith	JCI	501-626-9872	ryan.michael.smith@jci.com
YEA Chair	Alex Halloran	Bernhard TME	501-951-0588	ahalloran@bernhardtme.com
YEA Co-Chair	Phil Watson	Bernhard TME	501-218-5942	pwatson@bernhardtme.com
YEA Committee Member	Priscila Almeida	Garver	501-398-4884	pcalmeida@garverusa.com
YEA Committee Member	Hunter Brock	Cromwell Architects Engineers	501-259-0745	hbrock@cromwell.com

Social - Special Events Committee (Chair)	Josh Robinson	Harrison Energy Partners	501-539-0633	jrobinson@harrisonenergy.com
Social - Special Events Committee	Hunter Brock	Cromwell Architects Engineers	501-259-0745	hbrock@cromwell.com
Social - Special Events Committee	Nick Moore	Airetech Corporation	501-551-5660	nick.moore@airetechcorp.com
Sustainability Chair	Clayton Kinley	Trane	501-529-4322	clayton.kinley@trane.com
Honors and Awards	Chris Ahne	Airetech Corporation	501-515-1774	chris.ahne@airetechcorp.com
Government Affairs Chair	Josh Faulkner	Powers of Arkansas	501-349-8655	jfaulkner@Powersar.com
Government Affairs Co-Chair	Chris Ahne	Airetech Corporation	501-515-1774	chris.ahne@airetechcorp.com

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