

CURRENT BOG

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Meeting Location:

**The Learning Center
Lichterman Nature Center
5992 Quince (between Lynnfield and
Ridgeway, east of I-240)**

**September’s lunch will be provided by
One & Only BBQ.**

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**2023-2024 MEMPHIS ASHRAE
CALENDAR AND ANNOUNCEMENTS**

Chapter Meetings/Events
Tuesday, November 7th –
ASHRAE/University of Memphis
Professional Networking Mixer
Tuesday, November 14th –
Decarbonization / ASHRAE 62.1 & 90.1
Updates and Design Strategies by Jim
Riendeau
Wednesday, December 6th –ASHRAE
Christmas Party at The Majestic
Tuesday, January 9th – Standard 62.1 by
Brian Hafendorfer, DL
Tuesday, February 13th – DEI &
Workforce Development by Kurt Kraiger
Tuesday, March 27th – Oxford Trip
Tuesday, April 9th - TBD
Tuesday, May 14th - TBD

Sponsor the Memphis Chapter of ASHRAE!

Memphis ASHRAE has a great way to for members to support our ASHRAE chapter and promote their business.

We are offering 2 tiers of support:

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The Memphis Chapter of ASHRAE thanks you for your support!

Contact Robert Smith (Robert.Smith@carrierenterprise.com) to support your chapter today!

- *All donations will go to the RP campaign and are TAX DEDUCTIBLE
- *Sponsorship slides will be run before and after the speaker at every chapter meeting (virtual or in-person)
- *RP chair will confirm final slide layout before presentation

President's Corner:

This last month I had the pleasure of attending the first-ever [ASHRAE Decarbonization Conference for the Built Environment](#) in Washington D.C. It was a wonderful time connecting with ASHRAE Members from across the country, including former Region VII DRC Dr. Chris Gray who was the Vice Chair of the Conference Steering Committee, and ASHRAE Society President Ginger Scoggins who will be visiting us in March. It was invigorating to hear the progress our industry is making to responsibly steward our impact on the environment as well as some of the growing pains and challenges our early-adopting friends in New York, California, and the Pacific Northwest are facing.

If this topic is of interest to you, [Next Year's Conference](#) will be in New York with a focus on Tall Buildings. I attended a preview session of this while in D.C. and the tangent on ice heating (yes, ice ***heating*** was fascinating.

If you like blending work and play, [Madrid](#) is hosting an International Conference and your return flight might be cheaper if you stay and enjoy some tapas and cava after the conference.

See you all at the chapter meeting next week!

Ryan Mathis
President, ASHRAE Memphis 23-24

Committee Updates

Membership Promotion:

Please take five minutes to complete [this survey](#) by **Wednesday, November 30th**.

It is in regards to feedback and continued improvement of the ASHRAE Journal.

This will help our chapter gain some PAOE points.

There is also the opportunity to win \$100 off an ASHRAE product or service of your choice (such as a winter conference, publication, or course registration).

Winners will be selected in December and contacted by email for those who include their email in the survey.

This message was provided by Amanda Kraus, from Ginger Scoggins, 2023-24 ASHRAE President.

Chapter Meeting Topics: “Decarbonization / ASHRAE 62.1 & 90.1 Updates and Design Strategies”

Seminar Overview

- What is Electrification and Decarbonization?
- Legislation and Incentives
- How Refrigerants relate to Decarbonization
- How will ASHRAE 62.1 and 90.1 tie into Electrification and Decarbonization
 - Airside strategies that consulting engineers implement
 - VRP
 - IAQP
- Open Discussion and Questions

Speaker Bio:



Presented by: Jim Riendeau

Jim has a Master's Degree in Mechanical Engineering with over 35 years of HVAC experience in roles ranging from Vice President of ESC / EBTRON, Regional Sales Manager for York International to Strategic & National Account Manager for York and Trane. Jim's background over the years has been to educate the HVAC market on how other engineers from around North American improve building control, aid owners and engineers in meeting green building programs like LEED, and prove compliance to building codes and ASHRAE standards.

Mark your calendars!
Region VII CRC
2024
JULY 25-27

Let's go to Memphis!

Home of the blues and birthplace of rock-and-roll, we are excited to bring the 2024 Region VII CRC to Memphis, Tennessee.

Join us at The Peabody Hotel and stay to experience Memphis. Together, we will eat BBQ, explore music at the Memphis Rock and Soul Museum, visit the National Civil Rights Museum and, of course, party on Beale.

Check out all that Memphis has to offer and start planning your visit today!

Our top 10...



... and much more!

Did Ya Know?

We often design certain aspects of a building “because we’ve always done it that way.”

How many times have we said that? Here are two items that speak to not being complacent:

Flue Condensate

We’ve all had it drilled into us that we have to include condensate drain pipe for a furnace/boiler/unit heater that’s more than about 86% efficient. We normally see this for **condensing** furnace/boiler/unit heaters. We also include a condensate neutralization kit.

I was shocked a few weeks ago when I heard the start-up guy for a 70-ton RTU (with an 80% furnace) refused to perform the start-up because “**the condensate drain pipe was not installed.**”

I never heard of such a thing.....then the contractor sent me a photo of the 3/4” stainless steel condensate pipe.

I looked at the 156 page RTU installation manual from the internet, and found the one sentence that sent me to the 32 page furnace manual, and there it was.

Not only does it have to be piped, but the condensate has a PH of 4 and is 200 degrees (for an 80% efficient furnace). So we figured something out.

By the way, the rep didn’t know about this either.

High Pressure Drip

Most of us old guys in Memphis were trained about steam and steam condensate design by a rep who’s long since passed. He told me this:

Campus steam systems are at least 70 psi. The steam is generally reduced to about 15 psi immediately upon entering a building (when it’s used solely for space heat and domestic water heating).

But there are usually one or two drip stations that serve the higher pressure steam. The liquid condensate from this higher pressure steam drip station will flash back into steam when it’s introduced to atmospheric pressure.

Did Ya Know? (Cont'd)

But there are usually one or two drip stations that serve the higher pressure steam. The liquid condensate from this higher pressure steam drip station will flash back into steam when it's introduced to atmospheric pressure.

Rather than install a flash tank, this rep long ago recommended a 3' long section of Sch. 80 oversized pipe in the vent pipe of the condensate return pump to serve as a "flash chamber." This flash chamber can potentially pressurize the condensate return set tank.

I was surprised a few weeks ago when a current rep questioned me about this detail because the condensate return set installation manuals say "DO NOT PRESSURIZE" the tank.

So, if you do it the old way, make your roof vent pipe big enough.

The point is.....we need to pay attention to installation manuals during design

Send me some of your experiences for the column. We'll omit identifying data.

Mike Bilderbeck
Government Affairs Chair