

# The Squirrel Cage

## Alamo ASHRAE

November 2019

Alamo ASHRAE,

Working in the HVAC industry we routinely consider things like loads, pressure drops, flow rates, amperage, controls, etc. Those items are usually very tangible and quantifiable. There are some other areas that we need to consider that, in my mind, are not as apparent, such as acoustics and vibration. I remember when I was first presented the challenge of predicting the acoustic performance of one of my designs. I remember being handed a nonograph with some ductwork acoustic properties however I really didn't capture exactly the science in what I was attempting to evaluate. As I gained experience, I came to realize how important the accuracy of noise and vibration analysis is during design. After working many years in construction, mitigating unwanted noise and vibration is very difficult and costly in the field once the equipment and systems are in place.

### INSIDE THIS ISSUE:

President's Message

Officer's Directory

Calendar

Pictures

Meeting Attendance

BOG Meeting Minutes

CRC Houston 2020

The subject on this month's presentation is "Acoustic Basics for HVAC&R Designers".

Our presenter this month will be Mr. Mark Fly, P.E.. He is an ASHRAE Fellow, with over 38 years of experience as a Researcher, Consulting Engineer, Contractor, and Manufacturer in the HVAC Industry. He holds a Bachelor of Science in Physics from Missouri State University, is active on ASHRAE TC 2.6, 5.1, 9.0, 9.12, a member of ASHRAE Certification Committee serving as Chair of the new Certified HVAC Designer development committee, and a past Director at Large on the ASHRAE Board of Directors. At AHRI he has served on the Board of Directors, as Section Chair for Unitary Large Equipment, Section Chair for Air to Air Energy Recovery, as a member of the Technical on Sound and is currently member of the Systems Steering Committee.

His presentation will expose participants to:

- The fundamentals of acoustics
- How sound is measured and reported
- Levels that are sound spectrums appropriate for different environments and activities
- Different sound measurements and ratings
- How to apply different types of criteria rating systems to achieve acceptable noise for the people living and working in the space

Please join us on Tuesday, Nov 19, 2019 from 11:30-1:00 PM at Alamo Drafthouse Cinema - Park North. Also please don't forget to register for the Alamo ASHRAE Skeet Shoot on Nov 15, 2019 at the San Antonio Gun Club.

Additional information regarding Mr. Fly and the presentation details can be found on the Alamo ASHRAE website.

Thanks,

Frank L Painter, P.E.



# DIRECTORY

## **Officers**

President  
Frank Painter  
[flpainter@frostandkeeling.com](mailto:flpainter@frostandkeeling.com)

President-Elect  
John Ferencak  
[jferencak@halff.com](mailto:jferencak@halff.com)

Secretary  
Mason Hall  
210-459-9279  
[mhall@unifyes.com](mailto:mhall@unifyes.com)

Treasurer  
Madison Bryer  
210-598-7801  
[madison.bryer@texasairsystems.com](mailto:madison.bryer@texasairsystems.com)

## **Board of Governors**

Michael Layman  
[mike.layman@utexas.edu](mailto:mike.layman@utexas.edu)

Richard McHugh  
210-789-9614  
[rickmchugh@eeace.com](mailto:rickmchugh@eeace.com)

## **Committee Chairs**

Student Activities  
Casey Bordelon  
210-517-5514  
[Casey.Bordelon@jci.com](mailto:Casey.Bordelon@jci.com)

Research Promotion  
Richard McHugh  
210-789-9614  
[rickmchugh@eeace.com](mailto:rickmchugh@eeace.com)

Webmaster  
Robyn Boling  
[robyn.boling@irco.com](mailto:robyn.boling@irco.com)

Membership Promotion  
Steven Lipe  
[SLipe@onco-tx.com](mailto:SLipe@onco-tx.com)

Historian  
Michael Layman  
[mike.layman@utexas.edu](mailto:mike.layman@utexas.edu)

Newsletter Editor  
Emily Smith  
210-598-7823  
[emily.smith@texasairsystems.com](mailto:emily.smith@texasairsystems.com)

Government and Grassroots Advocacy  
Cameron Crandall  
[ccrandall@fbdfrozen.com](mailto:ccrandall@fbdfrozen.com)

Attendance Chair  
Casey Bordelon  
210-517-5514  
[Casey.Bordelon@jci.com](mailto:Casey.Bordelon@jci.com)

Chapter Technology Transfer  
Chelsea Moussouni  
210-704-1382  
[cmoussouni@halff.com](mailto:cmoussouni@halff.com)

Refrigeration Chair  
Travis McLeod  
210-826-6392  
[tmcleod@silbereng.com](mailto:tmcleod@silbereng.com)

Sustainability  
Thursten Simonsen  
210-708-6094  
[thursten@simonsens.net](mailto:thursten@simonsens.net)

STEM  
Clint Ullman  
210-651-9000  
[clint.ullman@spawglass.com](mailto:clint.ullman@spawglass.com)

YEA—Young Engineers  
Reid Ruggles  
[reid.ruggles@texasairsystems.com](mailto:reid.ruggles@texasairsystems.com)



# 19

## **Chapter Meeting**

@ Alamo Drafthouse—North Park

Topic: Acoustics Basics for  
HVAC & R Designers presented  
by Mark Fly, P.E.

# MEETING ATTENDANCE



Topic: Indoor Grow (Medical Marijuana) Facilities—  
Design Introduction

*October 14, 2019*

Alex Mathis  
Alfred Vitela  
Andres Sobrevilla  
Andrew Freund  
Brad Hansel  
Bruce Smith  
Cesar Mercado  
Chelsea Moussouni  
Chris Garcia  
Dwayne Blevins  
Ed Garcia  
Eric Hernandez  
Eric Lardi  
Ethan Beeman  
Gatlin Grosch  
Ian Vohwinkle  
James Drewry  
Jamie Armstrong  
Jaryn Barcheers  
Jay Gerber  
JD Hunter  
Jeff Neumann  
John Ferencak  
John Freond  
John Grothues  
Josh Gavos

Kalib Brignac  
Kenner Coon  
Mac Tekell  
Mario Mijangos  
Matt Bynum  
Matt Garcia  
Megan Kelso  
Michael Kyler  
Randall Bloomquest  
Richard McBride  
Rick McHugh  
Rob Thomas  
Robyn Boling  
Ruby Vargas  
Ryan Pena  
Ryan Thornberg  
Steven Holt  
Taylor Rose  
Ted Liljenwall  
Tom Phillips  
Travis McLeod  
Vishwaraj Hariharaputran  
Wes Weissgarber  
Will Zermeno  
Zachary Danielson





## BOG Meeting Minutes

October 10, 2019

12 PM

Location: Halff Associates, 100 NE Loop 410, Suite 200, San Antonio, TX 78216

Attendees: Frank Painter, Travis McLeod, Rick McHugh, Chelsea Moussouni, Madison Bryer, Thursten Simonsen, Chelsea Moussouni, Cameron Crandall, Emily Smith, Casey Bordelon, Mason Hall

### Frank Painter (President / Chapter Delegate)

- Skeet Shoot – Friday, Nov. 15<sup>th</sup> @ Noonish
  - Set up meeting with Gun club
  - See if Clint wants to lead the Skeet Shoot
  - Buy food, raffle items
  - Get website updated
  - Food - HEB (burgers, dogs, chips, 1 or 2 kegs, water, sodas, beer)
  - Get invites out tomorrow and pass out at meeting
  - Contact past shooters
  - List must be turned in by Nov. 5<sup>th</sup> to Skeet Shoot Range
  - Minimum is 100 people, must be done by sundown roughly 6pm

### Madison Bryer (Treasurer)

- John needs to finalize budget and get it back to Madison.
- Madison will cut check to John for ASHRAE dinner with Nationals
- Sponsorships - \$35,325, up from last year roughly \$26,000
- Platinum flag updated for Texas Air Systems, and add stickers for new sponsors
- Missing payments from 7 people
- Redo the directory, looking for help
  - Next step: get committee together, students will go door to door to companies and get yes or no answer if they want to advertise. Madison will handle the invoice. ½ page \$75 full page \$125. Needs to be printed by Dec. 1
  - Goal: Complete it by Spring Break

### Mike Layman (Historian / Board of Governors)

- I am trying to work on a history article of one of our members. Additionally, I have shared photos of the kick-off meeting, and the September meeting. I brought our chapter banner to the Sept meeting. I am going to ask our President (Frank) if he would like to display our chapter charter (framed) on his office wall; while he is President.

### Travis McLeod (Refrigeration Chair)

- Target MCA and TACA for directory book
- Give out form at monthly meeting to get company feedback for advertising page
- Refrigeration:
  - Publish small article in the newsletter or email blast for things coming down the pipeline

- Big time changes coming. OEM generating stability, standards, and regulation

#### **Chelsea Moussouni (Technology Transfer Chair)**

- Contract with Drafthouse is getting finalized for next year meeting
- Coordinating for October and November Meeting. Need Machel and Johnny to take over for next year for Chelsea.
- Any content that is received on the day of the event will result in a \$50 late fee.
- We need to tell the presenters that the PowerPoint is due the Wednesday before the meeting. They can test it in person or email it to Mike Ruiz, Event Manager.
- Meeting coordination: I'm coordinating with the October and November speakers
- Michelle and Johnny to coordinate for the remaining meetings:
  - 1/21/2020
  - 2/18/2020
  - 3/17/2020
  - 4/21/2020
  - 5/19/2020
  - 6/24/2020
- Ethics speaker is a DL. Need to book the hotel, take him to dinner, etc.

#### **Casey Bordelon (Student Activities Chair / Attendance Chair)**

- Frank spoke at last student chapter meeting
- Trying to get into SAWS downtown and JCI chiller plant
- Need to get more money
- They want to volunteer at Skeet Shoot and Golf Tournament hoping to get donations
  - Seek company sponsorships
- Lots of Seniors looking for jobs
- President is a Rockstar

#### **John Ferencak (Vice President / President Elect) -**

- Wrapping up the yearly budget helping out Madison.
- Skeet shoot is Nov. 15<sup>th</sup>

#### **Rick McHugh (Research Promotions Chair / Board of Governors)**

- ASHRAE full circle (research donation), get recognition from Nationals.
- All Officers must donate \$100, honor roll is \$150
- Must be sent in by Nov. 15<sup>th</sup>

#### **Thurston Simonsen (Sustainability Chair)–**

- Sustainability program for next year
- Society meeting happening in Texas at end of June in Austin. Only happens every so often. Big need for people to be on host committee scanning badges. Give you free entrance into conference
- Ask Thurston if you want to get involved and how

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 26<sup>th</sup>, 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 here next year at the listed time and place during ASHRAE's 125<sup>th</sup> 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