

# THE HOT AIR DIFFUSER

## Chapter Newsletter

MARCH 2017



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## MARCH CHAPTER MEETING

### MARCH:

The March meeting is a roundtable discussion on VRF systems. The discussion will be moderated by the Idaho Chapter. During the discussion, the panel will answer questions asked by the moderator. The last 10 minutes of the discussion will be open for more questions from audience to the panel. The panel will be formed of industry experts from 6 different VRF manufacturers; Daikin, Lennox, LG, Mitsubishi, Samsung and Toshiba-Carrier.

### The Panel:

**Brigitte Argall**—Carrier Coporation

**George Masing**—Innovative Air, Inc (Daikin)

**Jesse Buck**—Midgley-Huber

**Jonathan Zumwalt**—Mitsubishi Electric US, Inc.

**Justin Scremin**—Lennox International

**Kevin Penrose**—Samsung

### Where:

**Idaho Power Building**  
1221 W. Idaho St.

### FEBRUARY:

The February meeting was titled “Indoor Environmental Quality: Beyond ASHRAE 62.1”.

The presentation examined both current practice and guidelines established by ASHRAE. The speaker was Elizabeth Cooper, Director– Integrated Design Lab. Her work includes the assessment of aggregate exposures to indoor chemical pollutants, environmental control systems for buildings, indoor environmental quality and high performance energy efficient buildings. She is an associate professor at the University of Idaho’s College of Art & Architecture and the Director of the Integrated Design Lab.

### When:

**Wednesday, March 8, 2017**

**11:45 am to 1:00 pm MST**

Please Register online at:  
[www.idahoashrae.com](http://www.idahoashrae.com)

ASHRAE, founded in 1894, is an international organization of some 50,000 persons. ASHRAE fulfills its mission of advancing heating, ventilation, air conditioning and refrigeration to serve humanity and promote a sustainable world through research, standards writing, publishing and continuing education.

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## PRESIDENT'S MESSAGE

### An Estimator's Advice for Design Engineers: View from an Engineer

Design engineers have a tough job. Mechanical building systems are growing evermore intricate. Technological advancements are consistently pushing mechanical equipment to increase in efficiency, functionality and complexity. This article series is meant to humbly offer suggestions to design engineers with an understanding that we all must work together for high quality buildings. Last month's two months presidents messages featured advice from an equipment estimator and a mechanical contractor.

1. Before sending through an RFI please give us a phone call. This can save everyone a lot of time since it is usually easier to get to the root of a question or problem with a conversation rather than sending through lots of paperwork.
2. If you see something on the drawing that you think is not going to work or have a better solution please let us know. Things that work on paper do not always work in the real world.
3. Make sure you have the read the most recent set of drawings, specifications, and addenda before asking questions. It can be especially confusing to the contractor, supplier, and engineer if a question is being asked about something that has had significant changes since an earlier set.
4. If you are working on any value engineering items contact us before speaking to the owner or architect. There are certain items that are critical to the performance of a system that cannot be changed. If these get value engineered out because the owner sees a large savings, but the building does not end up working as designed everyone looks bad.
5. Suppliers, don't ignore designers, EITs, and junior engineers. Even if they are not currently specifying product they will be.
6. If there is a question about equipment location, fitment, duct, or pipe routing it is extremely helpful to send a picture or a sketch of the problem and a markup of a potential solution.
7. Every engineering office has products that they consistently specify and the model numbers, weights, electrical loads, etc. might not be the most current for that particular product. If you see us specifying obsolete products let us know so we can update our selections.

Sean Drake PE



Idaho Chapter

# HISTORY LESSON

## March

### Five Years Ago

The chapter president was Cory Law. The meeting was held on Wednesday, March 14, 2012, at the Payette Brewing Company. The program was a tour of the Payette Brewing Company at 111 W. 33<sup>rd</sup> Street.

### Fifteen Years Ago

The chapter president was Greg Hobbs. The meeting was held on Friday, March 8, 2002, at the Doubletree Riverside. Michael Gifford, Executive Vice President of the Idaho Association of General Contractors, discussed current activities of the AGC including recent changes and new services available online.

### Twenty Five Years Ago

The chapter president was Ken Tewksbury. The meeting was held on Friday, March 13, 1992 at the King's Table Restaurant. Randy Shuman, Managing Director of Engineering for the J.R. Simplot food Group, gave a presentation on ammonia refrigeration for the frozen food industry.

### Thirty Years Ago

The chapter president was Adrian Fannin. The meeting was held on Friday, March 13, 1987, at the Kings Table Restaurant. Richard Payne, Professor of Economics at Boise State University, discussed business decisions in an unpredictable economy.



# STUDENTS

## **Student Design Challenge**

The team of BSU students continues to work on ASHRAE's student design challenge as their senior project. Our Chapter Student Activities Chairman attended a presentation by the students in December on their status. It looks like they have good ideas for potential HVAC systems and are making progress towards getting their load calculations and energy simulations completed.

## **Scholarships**

The Idaho Chapter is looking to once again give away two \$500 scholarships in the spring of 2017. Please forward any potential applicants to chapter officers. In years past, we haven't had large numbers of applicants providing excellent odds for those who apply.



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## Professional Development Hours

Professional Development Hours are now available at

ASHRAE monthly meetings!





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Partial and full tuition scholarships are available for those that qualify. To learn more about scholarship opportunities, or if you have any other questions, contact Clarence Wieting at [iboa@intboa.org](mailto:iboa@intboa.org).

For more industry news and training dates, sign up for the bi-annual [BOC newsletter](#).



# Issues registering for monthly meetings?



**Please contact Sean Drake @  
sean@fulchereng.com**

Interested in becoming more involved with your local ASHRAE Chapter? Positions will be opening up soon!

Please contact Casey Huffaker  
@ chuffaker@siglers.com for  
more information.



