



ISSUE XI | 2019

# DAYTON CHAPTER

## CURRENT OFFICERS

### **PRESIDENT**

**Michael Weisman**

MichaelWeisman@habeggercorp.com  
Habegger Corporation

### **PRESIDENT-ELECT**

**Brian Turner**

BTurner@ElitAire.com  
ElitAire

### **TREASURER**

**Nathan Launer**

Nathan.Launer@JCI.com  
Johnson Controls, Inc

### **SECRETARY**

**Matt Dill**

Matthew.dill@victaulic.com  
Victaulic

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### *Introduction:*

**Jeremy Fauber**

Senior Mechanical Engineer for Heapy Engineering

**Topic:** Introduction to ASHRAE Technical Committees

*December 9th Meeting*

*Joint Meeting with MCA*

### *Main Presentation:*

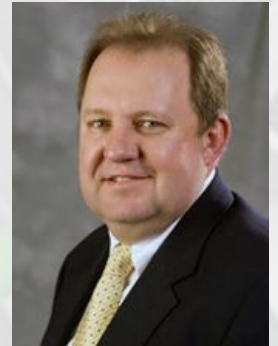
**Doug Zentz, Distinguished Lecturer**

#### **Topic: Doing More With Less:**

Water based systems have a long history of use in HVAC and provide many benefits; however, most of these systems are still being used as they were over 60 years ago. Water has a high affinity for energy and we should be using it in a much wiser fashion. This presentation will illustrate how to use water based systems to transfer energy more efficiently, save operational expense, help control systems operate with greater ease, and open other benefits to the overall building design and operation.

#### Outline

- \* Introduction
- \* Review the properties of water and energy transfer
- \* Review of control valve operation
- \* Review hydronic pump operation
- \* Illustrate the differences of low delta systems verse higher delta systems
- \* Illustrate other benefits due to changes in supply and return water temperatures



Please RSVP to

**JPFauber@heapy.com**

**By Thurs. 12/05 @ Noon**

Special dietary  
options are  
available upon request

**Social time: 11:30-11:45am**

**Lunch at: 11:45am**

**Main Presentation: 12:00pm**

**Dayton Engineers Club  
110 E. Monument Ave.  
Dayton, OH 45402**

# FROM THE PRESIDENT

*Thank you all to those that attended our November meeting on Veterans Day. Dayton ASHRAE member Tom Mastbaum presented on ASHRAE Standard 188, detailing what Legionnaires Disease is, what causes it, and how it can be prevented. The main presentation was an update on cooling tower technology from BAC.*

*On December 9th we will be having a lunch meeting at Dayton Engineers Club. Jeremy Fauber will briefly be discussing how to get involved with ASHRAE technical committees. The main presentation will cover how to maximize production and efficiency in chilled water systems by Doug Zentz, who is the ASHRAE Region V Director and Regional Chair (Ohio, Indiana, and Michigan). This event will also be a joint meeting with the MCA, so we look forward to seeing some of our mechanical contractor friends in attendance.*

*Finally, as we head into the winter months it may seem distant but our annual golf outing in May is just around the corner. Start to get your foursomes set and scrape some extra funds together that you can donate to ASHRAE Research and local scholarships!*

*Mike Weisman - President, Dayton ASHRAE*

## Upcoming Events

**December 9th**  
**ASHRAE Chapter Mtg.**  
11:30am, Engineers Club

**December 18th**  
**Board of Governors**  
8:00 AM, Heapy Engineering

**January 11th**  
**ASHRAE Holiday Party**  
6:00 PM, Engineers Club

**December 15th**  
**Board of Governors**  
8:00 AM, Heapy Engineering

**February 10th**  
**ASHRAE Chapter Mtg.**  
11:30 AM, Emerson Helix

[See Additional  
Events & Volunteer  
Opportunities Here](#)

# CHAPTER HISTORY (1994-1995)

<b>President:</b>	Mark Neiheisel	Uptime Solutions
<b>President Elect.</b>	John Mosgo	Siebe Barber Colman
<b>Vice Pres:</b>	Dennis Lewis	EG&G Mound Applied
<b>Secretary:</b>	Jim Hocker	Stan & Assoc.
<b>Treasurer:</b>	Dave Deger	Air Control Equip.
<b>Education:</b>	Russ Marks	Sinclair Comm. College
<b>Historian.:</b>	Phil Van Styn	Heapy Engineering
<b>RP:</b>	Mark Stiner	Barge, Waggoner, Sumner, Cannon
<b>Membership:</b>	Joe Ferdelman	Heapy Engineering

Meetings were held at the Engineering Club.  
CRC held in Akron/Canton.

Members: 144

\*Got to tour Miller Brewing Company Plant in Trenton, OH!!

## Committee Chairs

### **MEMBERSHIP**

**Jeremy Fauber**

JPFauber@heapy.com  
Heapy

### **HISTORY**

**Bryan Schenck**

BWSchenck@heapy.com  
Heapy

### **COMMUNICATIONS**

**Nathan Lammers**

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Waibel Energy Systems

### **RESEARCH PROMO**

**Tom Mastbaum**

TMastbaum@woh.rr.com  
TEM Associates, LLC.

### **STUDENT ACTIVITIES**

**Russell Marcks**

Russell.marcks@sinclair.edu  
Sinclair Community College

### **CTTC**

**Evan Nutt**

ENutt@elitaire.com  
Elitaire

### **GRASSROOTS**

**Paul Hawkins**

Paul.Hawkins@waibelenergy systems.com  
Waibel Energy Systems

### **YEA (Chair)**

**Phillip Reid**

PAReid@heapy.com  
Heapy

## Board of Governors

**Jeremy Fauber**

Heapy

**Rick Pavlak**

Heapy

**Larraine Kapka**

Sinclair College

# MEMBERSHIP

## **New Members**

The Dayton Chapter is happy to welcome its newest members. If you see them please give them a warm welcome!



**November**  
**Nick Alspaugh**  
**Stanley Roberts**

## **Do you know a colleague that would benefit from joining ASHRAE?**

You can go to [http://web.ashrae.org/connect\\_a\\_colleague/](http://web.ashrae.org/connect_a_colleague/) and quickly sign up for ASHRAE to send an email to ask them to sign up on your behalf.

## **Membership Recognition**

We would like to recognize the following members who have been with ASHRAE for the following years! Thank you for all your contributions to the field!

**10 Years**  
**Kyle Schroeder**



## **Membership Promotion Committee**

Looking for a way to get involved with your local ASHRAE chapter and meet new people? The membership promotion committee is looking for volunteers to join the committee. The committee's primary responsibility is to recruit new members and retain existing members. If you are interested in serving please contact Jeremy Fauber at [jpfauber@heapy.com](mailto:jpfauber@heapy.com). Or by calling 937-224-0861

## **Membership Application Here**

# ASHRAE RP

As noted in Last Month's Edition of this Newsletter we are off once again to a rocking start with our officers and a few other donating already. We did honor our Donors at the November Meeting. **Thanks again for the donation and making a difference!!**

**IMPORTANT:** One change that you need to know about: To achieve "Honor Roll" status this year the minimum donation level is **\$150**. Honor Roll means that your name is published in the ASHRAE Journal, and you receive a Commemorative Gold Coin of a Refrigeration or HVAC Pioneer. We appreciate all donations and a donor your name will appear as a donor in our local newsletter. But if you want to keep your "Coin Collection" going and be "Published," the NEW MINIMUM is \$150.

<b>2020 Goal =</b>	<b>\$19,680</b>
<b>YTD =</b>	<b>\$ 2,380</b>
<b>To go =</b>	<b>\$16,300</b>

## Honor Roll

Nathan Lammers  
Evan Nutt  
Tom Mastbaum  
Nathan Launer  
Steve Meier  
Brian Turner  
Uptime Solutions

## Honorable Mention

Nick Pavlak  
Joseph S Ferdelman, PE  
Michael Thomas Weisman  
Bryan Schenck  
John R Patterson, Jr  
Lorraine Kapka  
Jeremy Fauber  
Jennifer Eller  
Kyle Schroder  
Frank Mauro

If you would like to donate NOW simply click this link:

[Donate NOW](#)



And make your donation to help ASHRAE  
in its Research Efforts.  
Thank you so much!!



# Join our team!

New Mechanical Engineer/Designer positions open in Celina, OH



Fanning Howey is an integrated architecture, interiors and engineering firm specializing in learning environments. We use the breadth of integrated disciplines and a depth of specialized knowledge to create smarter places for learning.

We're looking for Mechanical Engineers and Mechanical Designers to join our team! Work with the most highly experienced K-12 design team in Indiana and Ohio, collaborate with interdisciplinary teams on innovative design solutions and learn directly from thought leaders in your field and beyond.

#### Requirements/Preferences:

- Mechanical Engineering Degree
- Engineering Technology Degree
- Knowledge of HVAC, Plumbing or Fire Protection
- Software Skills: Revit and AutoCAD
- Basic understanding of energy modeling and energy audits

Submit your resume and cover letter to [jobs@fhai.com](mailto:jobs@fhai.com) or to Chief HR Officer Dorine Vogel's LinkedIn page.

# ASHRAE NEWS



**Atlantic Council**

## **The Atlantic Council Hosts a Discussion on "Sub-national Climate Action: A View of the Global Landscape"**

On November 20, the Atlantic Council held a discussion on "Sub-national Climate Action: A View of the Global Landscape," focusing on efforts at the state, city and local level to reduce carbon emissions. More information on this event can be found [here](#).

## **ASHRAE Richmond Chapter Shares Information on Standard 188**

On October 23, ASHRAE Richmond Chapter Government Affairs Chair, RJ Hartman, [spoke](#) before the Chesterfield County Board of Supervisors. RJ shared with the Board background on ASHRAE and discussed ASHRAE resources, such as Standard 188, *Legionellosis: Risk Management for Building Water Systems*. Hartman's comments came shortly after the county was impacted by an outbreak of Legionnaire's Disease this fall.

## **U.S. Notifies the U.N. that the U.S. is Pulling Out of the Climate Agreement**



On November 4, the U.S. State Department officially communicated to the United Nations its intention to exit the Paris Climate Agreement, which currently has 187 countries as members. President Trump had stated his plans to reject the agreement in June 2017, but could not officially begin exiting the agreement until November 4. The U.S. withdrawal will be effective one year after notification, on November 4, 2020. Under a new President, the U.S. could rejoin the climate agreement after 30 days.

## **House Democrats Push Leadership on Clean Energy Tax Extenders**



On October 30, a letter that was led by [Sustainable Energy and Environment Coalition](#) and signed by 166 Democratic lawmakers was sent to House Speaker Nancy Pelosi (D-CA) and Majority Leader Steny Hoyer (D-MD) urging them to pass legislation to extend clean energy tax incentives that would provide tax credits and deductions for energy storage, zero-emission vehicles, offshore wind, energy efficiency and solar investments. The letter also specifically mentions the reauthorization of 179D, a tax deduction that sets incentives for building owners that reduce their building's total energy and power cost by 50% or more in comparison to past versions of ASHRAE Standard 90.1. To read the full letter, click [here](#).

# ASHRAE News

## Germany's Lower House of Parliament Passes Climate Bill



On November 15, the German parliament's lower House [adopted a climate law](#) meant to ensure the country hits its 2030 emissions reduction goals. The bill for the first time sets binding emissions reduction targets for the next decade, setting out annual carbon budgets for the energy, industry, transport, building and agriculture sectors. The bill still needs to pass the Bundesrat, the upper house of parliament, before it is approved.

## House Appropriations Subcommittee Holds Hearing on DOE Role in Addressing Climate Change

On November 20, the House Appropriations Energy and Water Development, and Related Agencies Subcommittee held a hearing on "The Department of Energy's Role in Addressing Climate Change." The full hearing can be viewed [here](#).

## ASHRAE El Paso Chapter Members Meet with City Officials

On November 19, the El Paso Chapter of ASHRAE met with city officials from El Paso, TX to discuss ways that ASHRAE and the City of El Paso can partner regarding technology information sharing and training via attendance at chapter meetings and online training opportunities.



## DOE Webinar on Zero Energy Buildings



On December 3, the Better Buildings program at the Department of Energy (DOE) is hosting a webinar on "How Buildings of All Shapes and Sizes are Becoming Zero Energy Users." During the webinar, you will learn about the financial, technological, and design process innovations that make these projects a reality today. To register for the webinar, [click here](#).

## Michigan Launches Grid Modernization Initiative

Michigan Governor Gretchen Whitmer has announced [MI Power Grid](#), a new initiative focused on clean, distributed energy resources and optimization of grid investments to provide reliable and affordable electricity service in the state. The initiative builds on the adoption of Michigan's 2016 energy laws that placed the state on a path to cleaner energy. The state can now be expected to examine integration of emerging technologies, optimization of grid investments and performance, and customer engagement and incentives. MI Power Grid will involve facilitated discussion and educational sessions for stakeholders, as well as other opportunities for input and learning about how Michigan should best adapt to the changing energy industry.



# ASHRAE News

## Students Apply Now for the 2020 WISE Program!

*Applications due February 1, 2020*



The [Washington Internship for Students of Engineering Program \(WISE\)](#) is an 8-week summer program in Washington D.C. with the goal of grooming future leaders of the engineering profession. During the paid internship, you will learn how government officials make decisions on complex technological issues and how engineers can contribute to legislative and regulatory public policy decisions. Founded in 1980 through the collaborative efforts of several professional engineering societies, WISE has become one of the premier Washington internship programs.

[Apply here](#). Inquiries from interested students should be sent to [GovAffairs@ashrae.org](mailto:GovAffairs@ashrae.org).

## JUST FOR FUN

# Holiday Tunes

- Away in a Manger
- Choir of the Bells
- Dominick the Donkey
- Frosty the Snowman
- Holly Jolly Christmas
- Jingle Bell Rock
- Jingle Bells
- Let it Snow
- Little Drummer Boy
- Little St Nick
- O Holy Night
- Rudolph
- Santa Baby
- Silent Nigh
- Silver Bells
- The Christmas Song
- The First Noel
- Winter Wonderland

S	G	R	D	A	M	A	F	C	I	F	Z	Z	X	F	K	U	H	J	X
W	A	W	A	Y	O	B	R	E	M	M	U	R	D	E	L	T	T	I	L
C	K	M	B	H	P	L	O	D	U	R	J	T	G	J	I	H	Z	N	O
Z	D	W	T	Z	E	D	S	Y	E	L	C	B	Y	R	T	G	C	G	K
G	N	O	S	S	A	M	T	S	I	R	H	C	E	H	T	I	J	L	L
Q	A	N	K	O	I	D	Y	A	L	F	D	G	I	R	L	N	B	E	D
X	L	S	O	X	Q	R	T	B	T	I	N	W	X	N	E	T	O	B	J
D	R	T	J	T	I	R	H	V	A	A	H	X	I	P	S	N	A	E	W
F	E	I	F	W	V	T	E	C	M	B	E	U	U	B	T	E	S	L	S
N	D	T	U	C	C	H	S	A	Y	A	A	I	N	S	N	L	C	L	Q
B	N	E	V	X	E	G	N	X	I	L	M	T	R	I	I	I	Y	R	W
F	O	L	N	I	A	I	O	Z	T	K	L	I	N	X	C	S	J	O	U
B	W	V	E	S	Y	N	W	K	M	G	F	O	O	A	K	T	E	C	N
G	R	O	K	A	C	Y	M	V	Z	E	U	A	J	Y	S	L	D	K	U
M	E	Q	W	Q	O	L	A	O	H	K	P	I	T	Y	K	B	N	M	Q
G	T	A	P	U	I	O	N	T	S	L	L	E	B	E	L	G	N	I	J
L	N	F	G	C	Z	H	N	S	L	L	E	B	R	E	V	L	I	S	E
I	I	Y	E	K	N	O	D	E	H	T	K	C	I	N	I	M	O	D	S
L	W	B	T	K	S	L	L	E	B	E	H	T	F	O	R	I	O	H	C
U	I	M	U	Y	F	C	J	H	B	X	B	V	R	U	M	Q	C	Y	B