



ISSUE III | 2020

# DAYTON CHAPTER

## CURRENT OFFICERS

### **PRESIDENT**

**Michael Weisman**  
mweisman@elitaire.com  
ElitAire

### **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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&



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**Dayton ASHRAE  
Chapter Meeting  
March 9, 2020  
Joint AIA Meeting!**



**Presentation:** Integrated Building Design & Building Information Modeling

### **Presenter:**

**M. Dennis Knight, P.E., FASHRAE**  
ASHRAE Distinguished Lecturer  
Founder & CEO  
Whole Building Systems, LLC  
PO Box 1845  
Mt. Pleasant, SC 29464  
United States  
(843) 437-3647  
[dknight@wholebuildingsystems.com](mailto:dknight@wholebuildingsystems.com)



Meeting location will be at:  
**The Dayton Club**  
40 N. Main St.

Social Time: 8:00am - 8:15am  
Breakfast: 8:15am  
Main Presentation: 8:30am

This presentation focuses on the Integrated Building Design and Project Delivery processes including team building, project management, stakeholder responsibilities, early collaboration, better decision making, documentation methods and the use of technologies like BIM to improve the built environment. The presentation provides an overview of ASHRAE Applications Chapter 57 and how to apply its recommendations to help design, construct, operate and maintain better buildings.

GBCI Approved | 1 CE Hour | 0920004589  
AIA Approved | 1 LU|HSW| KNIGHT01

Please RSVP to  
[JPFauber@heapy.com](mailto:JPFauber@heapy.com)  
By **Thursday 3/05 @ Noon**

**FREE** to all Chapter  
Members &  
Prospective Members.

\$20 to All others.

# FROM THE PRESIDENT

Dayton ASHRAE, thank you to those that came out to our meeting in February at the Emerson Helix discussing the latest trends in low GWP refrigerants. It was our first joint meeting with HARDI, and it was one of our most heavily attended meetings in recent memory.

Coming up on March 9<sup>th</sup>, we have our joint breakfast meeting with AIA at the Dayton Club at 8:00 am. ASHRAE Fellow M. Dennis Knight will be presenting Integrated Building Design and Building Information Modeling. We hope to see you there.

In April at a location to be determined, we will have an evening meeting involving a tour of a recently constructed facility in the Dayton area. Stay tuned!

Also, there may be snow on the ground, but it's not too early to daydream about the golf outing in May! Please visit [daytonashraegolf2020.eventbrite.com](http://daytonashraegolf2020.eventbrite.com) to register.

**Go Flyers.**

*Mike Weisman* - President, Dayton ASHRAE

## Upcoming Events

**March 9th**  
ASHRAE Chapter Mtg.  
8:00 AM, Engineers Club

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

**April 13th**  
ASHRAE Chapter Mtg.  
5:00 PM, TBD

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

**May 20th**  
Board of Governors  
8:00 AM, Heapy Engineering

[See Additional  
Events & Volunteer](#)

# CHAPTER HISTORY (1989-1990)

|                         |               |                   |
|-------------------------|---------------|-------------------|
| <b>President:</b>       | Dennis Helmig | Helmig Lienesch   |
| <b>President Elect:</b> | Rich Huff     | Weber Huff        |
| <b>Vice Pres:</b>       | Phil Van Styn | Heapy Engineering |
| <b>Secretary:</b>       | Chris Hampel  | CAC Distributing  |
| <b>Treasurer:</b>       | David Schmenk | Montgomery Co.    |
| <b>Education:</b>       | George Sehi   | Sinclair CC       |
| <b>RP:</b>              | Garry Hayden  | Mutual Energy     |
| <b>Membership:</b>      | Rich Eillot   | Lorenz & Williams |

Meetings were held at the Dayton Engineering Club.  
CRC held in Evansville, IN.

Received the PAOE award!

Had a Plant Tour of Kings Island & Golf Outing was held at Walnut Grove CC.

## Committee Chairs

### **MEMBERSHIP**

**Jeremy Fauber**

JPFauber@heapy.com  
Heapy

### **HISTORY**

**Bryan Schenck**

BWSchenck@heapy.com  
Heapy

### **COMMUNICATIONS**

**Nathan Lammers**

Nathan.Lammers@waibelenergy systems.com  
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!

### January

Nicholas Cassidy  
Samantha Scarfo  
Antonio Scarfo  
Aaron Grant

### February

David Sawyers  
Desmond Edmonds

## **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!

**Check back next month for information on ASHRAE Membership!**

## **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



Happy St. Patrick's Day! Get the "Luck O' the Irish by donating to ASHRAE Research!! We are now just beyond the midway point of the ASHRAE RP "year" and now stand at 44% of our goal. Thanks so much for your generosity over the past eight months!! With all of our efforts, and your support of our chapter at the Golf Outing and Direct Donations, we can be sure to reach our 2020 Goal

**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>\$ 8,580</b> |
| <b>To go =</b>     | <b>\$11,100</b> |

## Honor Roll

Nathan Lammers  
Evan Nutt  
Tom Mastbaum  
Nathan Launer  
Steve Meier  
Brian Turner  
Uptime Solutions  
Bryan Crnarich  
Waibel EnergySystems  
Dayton Foundation  
Dayton ASHRAE Chapter  
Rick Pavlak

## 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  
Eric Dill  
Allied Supply Company

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!!



# HABEGGER

## COMMERCIAL GROUP

6700 Poe Avenue  
Dayton, Ohio 45414  
(937) 224-8050



## POSITION DESCRIPTION

### POSITION TITLE:

Commercial Outside Sales Engineer for Dayton, OH

### GENERAL RESPONSIBILITIES:

Develop relationships to build sales for your entire customer base. Provide application and sales support for external customers by identifying and pricing commercial equipment solutions.

### QUALIFICATIONS:

Associate HVAC or Bachelors of Science in Engineering or strong HVAC industry experience. Candidate would preferably have experience with building / maintaining strong relationships.

### PRINCIPAL DUTIES:

#### 1. TECHNICAL ASSISTANCE AND PRICING

Provide technical assistance to Mechanical Contractors, Consulting Engineers and owners to ensure proper equipment selection and appropriate application to achieve the desired objective. Develop scope and/or proposal for equipment selected including any required costs such as options, accessories, delivery and other costs that may be associated with the project. Document criteria used to select equipment and maintain information in project file.

#### 2. PLAN AND SPEC PROJECT ESTIMATING

Receive plan/spec projects from Mechanical Contractors and either work up proposal or send to Plan/Spec Department to work up project. Call out larger projects and negotiate multiple product lines to sale. Track and follow commercial activities of published plan and specification projects. Perform take-offs, identifying inconsistencies with specified equipment, generating scope letters, and developing pricing for selected equipment.

#### 3. DESIGN BUILD ASSISTANCE AND EQUIPMENT PROPOSALS

Perform load calculations when needed and help determine the correct system approach. Provide technical assistance and develop proposal for equipment directly in response to customer requests.

#### 4. POST SALE FOLLOWUP

Assist Mechanical Contractors & Consulting Engineers when issues arrive. Help use Habegger resources to drive the project to resolution.

**BENEFITS:** Company Car, Car Insurance, 401K with profit sharing, Competitive Compensation Package

**CONTACT:** Please email your resume to [PeteDoyle@habeggercorp.com](mailto:PeteDoyle@habeggercorp.com) if interested or call 513-266-1705 if you have questions about what the job entails.



**SAVE THE DATE!**

**CALL FOR 2020 "ORDER OF THE ENGINEER" INDUCTEES**  
**FOR NEW INDUCTEES, GUESTS,**  
**CURRENT INDUCTEES AND CLUB MEMBERS**

The Engineers Club of Dayton 2019 Order of the Engineer (OOE) Induction will occur on **Friday, March 20, 2020 at 7:30 p.m.** at the Club in collaboration with the Air Force Institute of Technology, the Air Force Research Laboratory and other regional industrial, government and academic engineering, science and technology organizations.

**Eligibility:** Any **engineer** is eligible for induction if he or she has graduated from an Engineering Accreditation Commission (EAC) or Accreditation Board for Engineering and Technology (ABET) program or holds a license as a Professional Engineer in the United States. **Students** enrolled in EAC or ABET degree programs are eligible if they are within one academic year of graduation. **Other candidates, including those with equivalent degrees in science and technology**, may be considered eligible because of equivalent credentials, subject to the approval of the OOE local Link Board of Governors.

**Application:** An informational tri-fold and candidate inductee e-fillable **Application Form** can be found on-line at the Engineers Club website at <http://www.engineersclub.org/> (click on the Recent News and Events tab at the bottom left of the home page) or at <http://www.engineersclub.org/call-for-2020-order-of-the-engineer-inductees/>. Information on the National OOE organization, of which the Club is a chartered "Link", can be viewed at <http://www.order-of-the-engineer.org/>. This year celebrates the 50<sup>th</sup> Anniversary of the Order in the US in 1970.

Send a completed electronic or paper **Application Form** to the **Engineers Club of Dayton, 110 E. Monument Avenue, Dayton, Ohio 45402** or by e-mail to any of the members of the Board of Governors listed below. Upon approval for induction you will be contacted to arrange for ring-sizing at the Club.

**Dinner:** Before the ceremony, an optional dinner at menu prices will be available for inductees and guests at **5:30 - 7:00 p.m. For dinner reservations (required) call 937- 228-2148**. In addition to new inductees, current members of the Order, Club members, guests and friends are invited to attend the induction and dinner.

**Cost** to each inductee will be **\$25** to cover the ring and associated induction ceremony expenses. Make checks out to "**Engineers Club of Dayton**". There are no other fees, dues or costs after induction.

**Timing:** Applications must be received no later than **March 10, 2019** to allow time for application review/approval and ring sizing/ordering.

We hope you will take advantage of this opportunity to become a proud member and ring bearer with other members of the Order-of-the-Engineer and share this unique networking experience with other colleagues at the Club and in the region.

If you have any questions about eligibility or need further information, contact any of the OOTE Board of Governors shown below.

**THE ENGINEERS CLUB OF DAYTON OOTE BOARD OF GOVERNORS**

**Mike Browne:** 937-235-1366, [mikebrowne77@earthlink.net](mailto:mikebrowne77@earthlink.net)  
**Bob Cochoy:** 937-427-2555, [cochoys@sbcglobal.net](mailto:cochoys@sbcglobal.net)  
**Ben Graham:** 937-689-3380, [bensgraham@worksimp.com](mailto:bensgraham@worksimp.com)  
**Walt Hoy:** 937-287-9945, [walt@foxlite.com](mailto:walt@foxlite.com)  
**Gavin Jenney:** 937-236-8112 [gavin.jenney.phd@gmail.com](mailto:gavin.jenney.phd@gmail.com)  
**Jim Mattice:** 937-272-4532, [jimmattice@sbcglobal.net](mailto:jimmattice@sbcglobal.net)  
**Bob Stone:** 937-266-8312, [robert.stone26@yahoo.com](mailto:robert.stone26@yahoo.com)  
**Chuck Stuart:** 937-434-4796, [calstuart@sbcglobal.net](mailto:calstuart@sbcglobal.net)

# ASHRAE GOLF OUTING!!!

Coming Soon!!!

May 15, 2020

At: Heatherwoode Golf Club in Springboro

Click the Golfers for link to the event website for signing up and more information



# THANK YOU

## STEM School 9th Annual Science Fair

ASHRAE Volunteers came to the forefront to help out with TechFest 2020 which is sponsored by the Affiliate Societies Council of Dayton. Volunteering for this year's event at the Engineer's Club of Dayton Booth was Jennifer Eller, and Phillip Reid, Heapy Engineering, Tom Fesenmyer, David Ayton, Jon Yeon Oh, of Emerson, Sarah Fesenmyer, University of Dayton, Mike Weisman, ElitAir, and Mike Malesko, Rieck Mechanical. The booth featured various STEM related activities ranging from gum drop bridge building to cyber security, to a demonstration of simple machines. A big shout out to all of those who gave up their time on Saturday or Sunday or both to volunteer for this event.



The STEM School Science Fair was held at the Dayton Regional STEM School on Saturday Feb. 8. Dayton ASHRAE is a Gold sponsor of this event, and we also supply judges for the student science projects. The Dayton ASHRAE Prize is given in three places for "Best Demonstration of Environmentally Sustainable Ideas." This year our winners were:

First Place: Padma Deepa Dopalapupi

Second Place: Madeline Logan

Third Place: Patrick O'Conner and Evan Toler

Our Volunteer Judges were: Nathan Launer, and Phillip Reid. We really appreciate Phillip and Nathan giving up part of their Saturday to judge this Science Fair. They found the all the student displays more than interesting. These kids are very ingenious when it comes to creating their projects.



# ASHRAE News



## Engineers Week Celebrated and Recognized by Government Officials

Last week was National Engineers Week (EWeek), which was a week set aside to celebrate and recognize the remarkable women and men of this profession. This year, EWeek focused on ensuring a diverse and well-educated future engineering workforce by increasing understanding of and interest in engineering and technology careers.

ASHRAE members reached out to a broad array of elected officials to recognize this occasion with official proclamations and resolutions, including those listed below. To learn more about this week, please visit [ashrae.org/eweek](http://ashrae.org/eweek).

### MOU with the City of La Crosse

The ASHRAE La Crosse Area Chapter entered into a [Memorandum of Understanding \(MOU\)](#) with the City of La Crosse, Wisconsin Planning and Development Department for the purpose of advancing and promoting mutual interests in engineering, building codes, energy efficiency, operations and maintenance, renewable energy, sustainability, and resiliency for buildings and communities. As stated in the agreement, the city and ASHRAE La Crosse Chapter will regularly communicate and hold joint meetings.



*L to R) Lewis Kuhlman – Environmental Planner, City of La Crosse, Mick Schwedler – ASHRAE Treasurer, and Kristin Sullivan – ASHRAE La Crosse Chapter President*

### Iowa Government Outreach Day

On February 24, four members from the ASHRAE Iowa Chapter traveled to the State Capitol where they hosted a booth to provide information about ASHRAE to elected officials and other interested parties. The group met with five legislators and a number of city and county officials. The ASHRAE members had on display the Chapter's "STEM Rig," a small-scale air handling unit with touchscreen controls. Topics discussed with elected officials included state energy code improvements, residential codes, STEM education, building energy benchmarking, and controls optimization.

### Help Your City Become a Smart City!

The Smart Cities Council, which ASHRAE signed an MOU with in 2019, is encouraging communities in North America to apply to its "Readiness Challenge." Five awards will be made in 2020, which will provide expert coaching, workshops, products, services, access to grants and other financing to improve a community's sustainability, resilience, livability, and workability. All applicants will have access to tools and planning assistance to improve a city's "smart" performance. Click [here](#) for more information, or to apply.



# ASHRAE News

## House Committees Hold Hearings on FY2021 Budget Request

The House of Representatives began a series of hearings on the Administration's FY2021 Budget request:

On February 27, the House Appropriations Energy and Water Subcommittee will hold [a hearing](#) on the Department of Energy's (DOE) FY2021 budget request. Energy Secretary Dan Brouillette will testify at the hearing. The proposed budget reduces funding for DOE's Office of Energy Efficiency and Renewable Energy, including a 67% cut to the Building Technologies Office, from FY2020 levels.

On February 27, the House Energy and Commerce subcommittee on the Environment and Climate Change will hold [a hearing](#) on the Environmental Protection Agency's (EPA) FY2021 budget request. EPA Administrator Andrew Wheeler will testify during the hearing. The Administration's budget proposal calls for cutting EPA's funding by 27%.

## House Republicans Release a Series of Bills to Fight Climate Change

On February 12, House Republicans led by Minority Leader Kevin McCarthy (R-CA), introduced four bills as part of their climate legislation package:

[H.R. 5859 - Trillion Trees Act](#), which focuses on carbon sequestration through reforestation and improved forest management activities.

[H.R. 5864 - New Energy Frontiers Through Carbon Innovation Act of 2020](#), which aims to support the research, development, and demonstration of advanced carbon capture and utilization technologies at the Department of Energy.

[H.R. 5865 - CCUS Innovation Act](#), which will work to advance technologies for carbon capture, utilization, and storage.

[H.R. 5883](#), which would cancel the 2024 sunset date for the 45Q carbon capture tax credit eligibility and allow more projects to be able to claim the incentive.

Additional bills are expected to be introduced in the future on the issues of climate resilience and carbon free energy production.

## House Science, Space and Technology Subcommittees Hold a Hearing on the Department of Energy's Office of Energy Efficiency and Renewable Energy

On February 5, the House Subcommittee on Investigations & Oversight and the Subcommittee on Energy held a hearing entitled, "Management and Spending Challenges Within the Department of Energy's Office of Energy Efficiency and Renewable Energy." During the hearing, the Department of Energy's Assistant Secretary Daniel Simmons testified. Throughout the hearing, Democratic lawmakers criticized the Energy Department's Office of Energy Efficiency and Renewable Energy (EERE) for withholding \$823 million in funding from last year's budget. Secretary Simmons said there are plans in place to use those funds and that their office is also trying to hire more staff after language in the most recent appropriations bill ordered EERE to have 675 full-time employees. Since then, its staff has dwindled to 553 full-time employees which is down from 700 in January 2017. To learn more, click [here](#).