



ISSUE VII | 2020

DAYTON CHAPTER

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Built Environment Today

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Carl Schultz

Regional Vice Chair, Region V (2018-2020)
Chapter Technology Transfer Committee

June 15, 2020

2020 Region V Technology Award Winners

We are pleased to announce the results of the Region V ASHRAE 2020 Technology Awards competition. These awards recognize outstanding design innovations and successful achievements by members and their companies in Region V.

The ASHRAE Technology Award Judging Criteria includes energy efficiency, indoor air quality and thermal comfort, innovation, operation and maintenance, cost effectiveness, environmental impact, and quality of presentation. Award recipients have demonstrated the best overall compliance with the judging criteria.

The first-place Regional winners are qualified to compete at the Society level – the highest level of competition for the technology awards. The deadline to submit the Society Entry in Long Form format to the incoming RVC CTTC, Arunabha Sau, is Friday August 21, 2020. Upon receipt, they will review, approve and forward the submission to ASHRAE Society by September 1, 2019. Submission files in PDF format, through email are acceptable. Please submit your final entry to Arunabha Sau at runabha@gmail.com.

2020 ASHRAE Region V Technology Award Results

Educational Facilities – New

First Place: University of Michigan Stephen M. Ross Athletic Campus

By: David A. Conrad, ASHRAE Member
Detroit Chapter

Educational Facilities – Existing

First Place: Historic Mercy High School Renovations

By: Brian Rose, ASHRAE Member
Cincinnati Chapter

Second Place: Manchester University Academic Center

By: Thomas H. Durkin, PE, ASHRAE Member
Central Indiana Chapter

FROM THE PRESIDENT

I'd like to send a thank you to our outgoing President, Wike Weisman, as well as all board members, committee chairs, and all the volunteers that contributed to the 2019-2020 year for the Dayton ASHRAE Chapter. Under difficult circumstances, our membership and fundraising efforts have remained strong, and we have continued to be able to offer three annual scholarships.

As the new year begins, I'd like welcome two new members to the chapter Board of Governors.

- Jennifer Eller – Treasurer
- Trent Hayden – Secretary

Moving forward, the Dayton ASHRAE BOG will be planning for the 2020-2021 year. Normally, we are preparing for CRC in late July, but that has been canceled due to the ongoing pandemic. CRC will be held virtually at a later date.

We continue to look for a replacement for the chair of ASHRAE Research Promotion. Tom Mastbaum has agreed to continue until we can find a replacement for the position. If you are interested in the position or getting move involved in ASHRAE, please reach out to any board members or committee chairs.

I look forward to serving as you president for the next year.

Brian Turner - President, Dayton ASHRAE

Upcoming Events

July 22nd

Board of Governors
8:00 AM, Virtual Meeting

August 19th

Board of Governors
8:00 AM, Virtual Meeting



October 2nd

Tentative Golf Outing
8:30 AM, PipeStone

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

CHAPTER HISTORY

IN HONOR OF 70 GREAT YEARS.....

Last month, on June 19th, the Dayton ASHRAE chapter turned 70, but did you know that the Dayton ASHRAE chapter actually started out as the Dayton Chapter of The American Society of Heating and Ventilating Engineers (ASHVE)? Dayton ASHVE was chartered on June 19th, 1950 and the first two presidents of ASHVE were Bob Perkins of American Standard and Buck Weaver of C.D. Weaver Co. The first meetings were held in the back room of Suttmiller's Grocery Store prior to the opening of the once famous Suttmiller's Restaurant on Main Street. Later meetings were held at Benham's Restaurant that was then located across the street from the Oakwood Club. During the same time the Dayton Society of Refrigerating Engineers (ASRE) was also formed and met in various locations in Cincinnati and at Annerio's on Keowee Street in Dayton. Dayton had a very strong chapter with the presence of three big refrigeration companies of Chrysler Airtemp, Frigidaire, and Copeland and their meetings averaged well over 40 members. Meanwhile in 1954 ASHVE changed its name to the American Society of Heating & Air Conditioning Engineers (ASHAE).

The two organizations, ASHAE and ASRE, combined in 1959 to form the present American Society of Heating, Refrigerating, and Air Conditioning Engineers (ASHRAE). Since both organizations were strong in the Dayton area they decided to alternate between leaders involved with heating and air Conditioning as the first ASHRAE president and in refrigeration as the second president and so on until the chapter was well established. The first president for years 1959-1960 was Norm Mitchell, the manager of the local Honeywell Controls office. This was a very difficult time, as at first, the two organizations did not get along very well. The ASHRAE national president actually took a trip to Dayton to help heal the wounds created by the merger.

Committee Chairs

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Heapy

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YEA (Chair)

Phillip Reid

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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!

June

Larry Gwin
Shane Mason



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

You can go to 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
Mark Rosenbeck

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. Or by calling 937-224-0861

Membership Application Here

ASHRAE RP



WE MADE IT !!

Thanks for all of your help and support over the past RP Campaign Year. The ASHRAE Fiscal Year ended on June 30. We achieved our goal despite the COVID 19 Pandemic, which again tell us what a great group ASHRAE has supporting its research efforts!!

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.

2020 Goal = \$19,680
YTD = \$19,835
To go = \$ 0.00

Partner Level

Dayton ASHRAE Chapter
Emerson Climate Tech.

Silver Level

Waibel Energy Systems

Bronze Level

Uptime Solutions
Dayton Foundation

Honor Roll

Nathan Lammers
Evan Nutt
Tom Mastbaum
Nathan Launer
Steve Meier
Brian Turner
Rick Pavlak
Bryan Crnarich
Lorraine Kapka
Tom Ferdleman
Sam Tobias
Russell Marcks

Honorable Mention

Nick Pavlak
Joseph S Ferdelman, PE
Michael Thomas Weisman
Bryan Schenck
John R Patterson, Jr
Allied Supply Company
Jeremy Fauber
Jennifer Eller
Kyle Schroder
Frank Mauro
Matt Dill
Mark Rapier
Tom Monnig



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!!



Happy Birthday

*It was on June 19, 1950
that the
Dayton ASHRAE Chapter
was established.*



*Cheers!
Here is to many more
wonderful years.*



**If you are interested in more information about the merger
of ASHAE and ASRE at the society levels please click on
the balloons below:**



ASHRAE News

Proclamations Issued for World Refrigeration Day!



ASHRAE's volunteer members are working with government officials to issue proclamations commemorating World Refrigeration Day, which is observed on June 26, 2020. The cities of Satellite Beach in Florida, Regina in Saskatchewan, Canada, as well as Victoria and Nanaimo in British Columbia, have issued proclamations in honor of the jobs, training, technology, products and other benefits that the refrigeration industry provides in our daily lives. For more information about World Refrigeration Day, [click here](#).

If you have questions concerning how to request a proclamation or how to tailor it for your particular locality, region or country, please contact GovAffairs@ashrae.org.

House Energy and Commerce Committee Holds Hearing on COVID-19's Impact on the Energy Sector

On June 16, the House Energy and Commerce Subcommittee on Energy held a hearing on "Reviving our Economy: COVID-19's Impact on the Energy Sector." To watch the full hearing, [click here](#).

Senate Energy and Natural Resources Committee Holds Hearing on COVID-19's Impact on the Energy Industry

On June 16, the Senate Energy and Natural Resources Committee held a hearing to examine the impacts of the ongoing Covid-19 pandemic on the energy sector. To watch the full hearing, [click here](#).

DOE Seeking Input on Several HVAC Technologies' Efficiency Standards, Test Procedures

The Department of Energy is seeking input on potential amendments to certain energy conservation standards and test procedures for consumer and commercial products. The DOE issued the requests as part of its obligation to reevaluate energy-efficiency standards and test procedures. The recently published RFIs include energy conservation standards for consumer water heaters, consumer boilers, air-cooled commercial package air-conditioning and heating equipment, commercial warm-air furnaces and water-source heat pumps. [Click here](#) to learn more.

DOE Berkeley Lab to Research Airborne Virus Transmission in Buildings

Researchers at the DOE's Berkeley Lab are performing a study to quantify the risk of airborne virus transmission within buildings and how to mitigate the risk. The researchers will run simulations of different room occupancy scenarios and test variables, such as normal ventilation, extra ventilation and extra filtration. The experiments will study droplet and aerosol transport in and between rooms to assess the risk of transmission. [Click here](#) to learn more.

ASHRAE News

Federal Better Buildings Initiative Increased Efficiency and Reduced Emissions

On June 9, the U.S. Department of Energy issued its annual progress report on the Better Buildings Initiative. The report, titled "Working in Partnership for a Resilient and Innovative Energy Future," documented that the program helped save nearly \$11 billion over the last decade, while also avoiding 105 million tons of carbon dioxide emissions and reducing water use by 8.5 billion gallons. The program, which began in 2011, now includes 12% of the U.S. manufacturing energy footprint and 13% of the nation's commercial building space. DOE is also expanding the program. Also, on June 9, the Office of Energy Efficiency and Renewable Energy announced four new efforts to improve energy productivity, grow investment in renewable energy and energy storage in public facilities, integrate advanced lighting controls, and help building owners and managers develop more energy-efficient walls, windows, roofs and foundations. The full annual Better Buildings Initiative progress report be found [here](#).

EPA Publishes Proposed Rule Listing New Alternatives for HFC Coolants

On June 12, the U.S. Environmental Protection Agency (EPA) published a proposed rule titled "Protection of Stratospheric Ozone: Listing of Substitutes under the Significant New Alternatives Policy Program." The proposed rule lists new alternatives for the refrigeration and air conditioning, and foam blowing sectors. This includes six new refrigerants (mostly made of blends of various different HFCs) that can be used in residential air conditioners and heat pumps. The EPA will be accepting comments until July 27. For more information, [click here](#)

States Adopting Low-Carbon HVAC and Building Energy Efficiency Improvements

Renewable power generation in the United States recently surpassed coal for the first time and the carbon intensity of electricity continues to decline. Technology that uses electricity instead of fossil fuels, like electric heat pumps, is now often the lowest-carbon and most energy-efficient choice for heating. However, most states' efficiency policies for the buildings sector are not currently incentivizing homeowners or businesses to install these technologies. The exceptions to this are Alaska, California, Massachusetts, New York, Tennessee and Vermont, which have energy efficiency programs to help households or businesses make upgrades to replace fuel-burning equipment with electric-powered systems. These states are also updating fuel-switching rules and establishing multiple energy goals, including fuel-neutral goals. It is unclear what effect the COVID-19 pandemic will have on the funding for these programs, but they are currently still in effect.

New Analysis Documents Over 620,000 Clean Energy Job Losses

An analysis conducted by BW Research found continued job losses in May from the clean energy sector of the U.S. economy. After already shedding over a half million jobs since the start of the COVID-19 pandemic, job losses of an additional 27,035 were reported in May. Clean energy sector jobs include energy efficiency, solar and wind generation, clean vehicles and related sectors. This economic sector was previously a strong growth area, with growth of 10.4% since 2015. The report can be found [here](#) and a press release can be read [here](#).

ASHRAE News

CDC Website Cites ASHRAE in Guidance for Reopening Office Buildings During COVID-19

The U.S. Centers for Disease Control and Prevention (CDC) published an [Interim Guidance for Businesses and Employers Responding to COVID-19](#). The interim guidance includes recommendations on building ventilation systems based on ASHRAE's [Guidance for Building Operations During the COVID-19 Pandemic](#). In addition to the interim guidance, the CDC encourages employers to review:

Building start-up guidance provided in [ASHRAE Standard 180-2018, Standard Practice for the Inspection and Maintenance of Commercial Building HVAC Systems](#); and, Recommends that to minimize mold risk during and after a prolonged shutdown, indoor temperature and relative humidity should be maintained within ranges recommended in [ASHRAE Standard 55-2017, Thermal Environmental Conditions for Human Occupancy](#).

The CDC has also published [8 steps to minimize Legionella risk](#) before your business or building reopens. CDC references the following ASHRAE materials as additional resources:
[ASHRAE Standard 188: Legionellosis Risk Management For Building Water Systems](#)
[ASHRAE Guideline 12: Minimizing the Risk of Legionellosis Associated with Building Water Systems](#)

EESI Holds Webinar Series on Rural Communities, Climate, and COVID-19 Recovery

This week, the Environmental and Energy Study Institute (EESI) hosted a webinar series on Rural Communities, Climate, and COVID-19 Recovery. It included three briefings on the following topics:

[Implementing Energy Efficiency Programs in Rural America](#)
[The Bioeconomy's Role in COVID-19 Recovery and Climate Solutions](#)
[Rural Communities Rise to the Challenge of Dual Disasters](#)

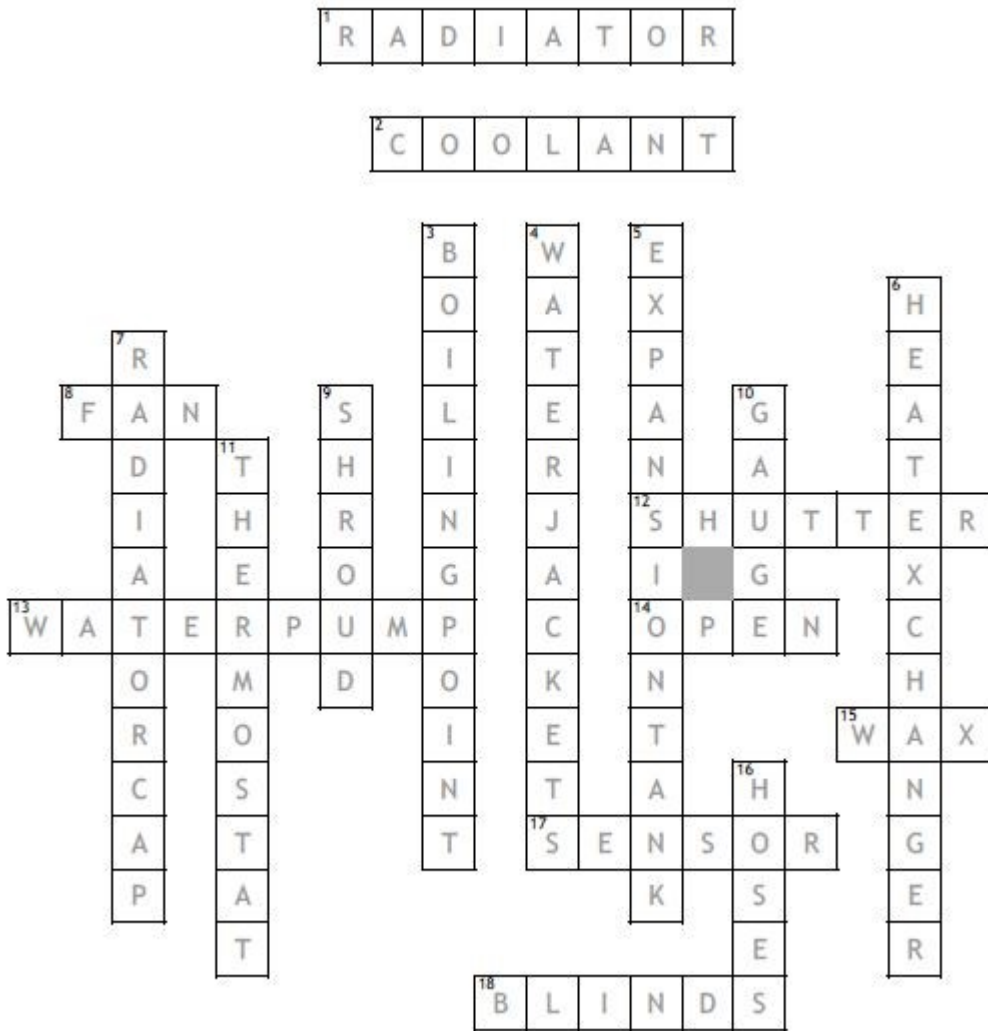


DON'T FORGET about ASHRAE eLearning !!!!!

(click here to go to website for options)

JUST FOR FUN

Crosswords can be fun!
ANSWERS from last months puzzle



From all of us at the
Dayton Chapter
Of ASHRAE, have a Safe
and Happy
Independence
Day!

