



Iowa Stalks Monthly Newsletter - March 2018

If you have any thoughts, suggestions, or concerns about the newsletter or its format, please contact Iowa Chapter Secretary Adam Puls at apuls@shive-hattery.com. Thank you!

This Month at ASHRAE Iowa

Membership, Research Promotion, and History Meeting

Date: Wednesday, March 28th

Where: Noah's Ark
2400 Ingersoll Ave, IA 50312

Presentations:

- Membership will present on current efforts to maintain and grown the Iowa Chapter's membership.
- Research Promotion (RP) will present on the state of RP donations this year
- Chapter Regional Conference (CRC) update
- Andrew Pospisal will present his history project

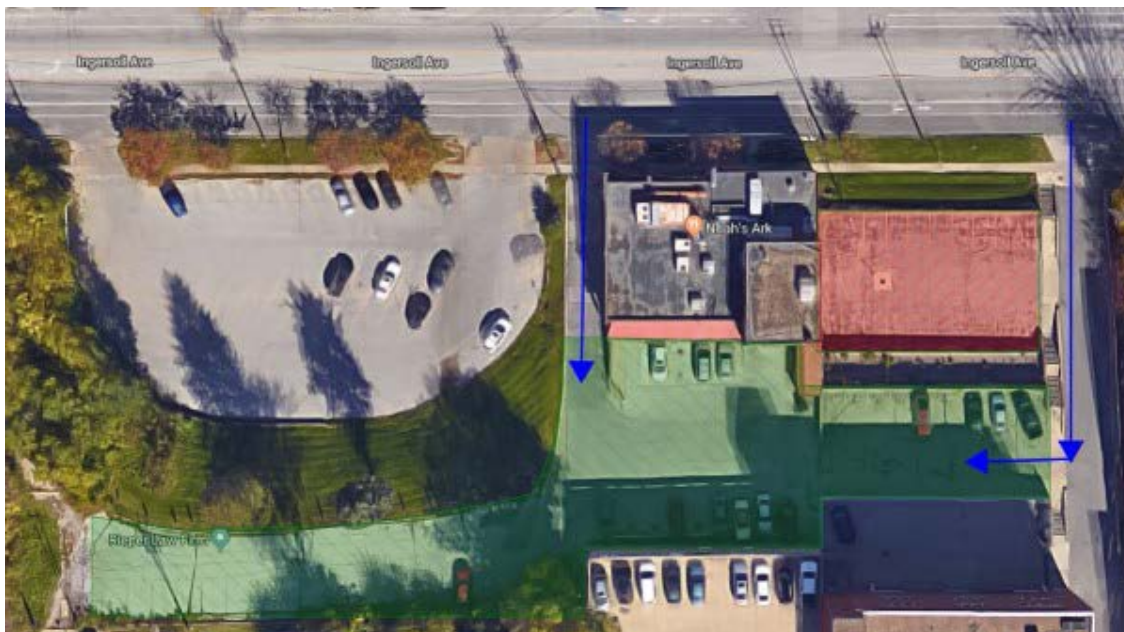
Schedule:

- 11:30 – 12:00 – Registration and Social/Networking

- 12:00 – 12:30 – Lunch
- 12:30 – 1:00 – Presentation

Cost: Free for ASHRAE Iowa members; \$20 for non-members; Always free for students

Bring a colleague! To introduce them to the ASHRAE Iowa chapter. Their attendance fee will also be waived. Please be sure to have them register for the meeting so we have an idea on the number of individuals attending.



Please park in the green area on the map above.

[Register Here](#)

President's Corner

We made it past girls state basketball, hopefully that means no more snowstorms!!

First, I would like to start off by thanking everyone that made it to our last chapter meeting. Dr. Doug Reindl provided an excellent overview of the upcoming changes to ASHRAE Standard 15. It was very interesting, we will be seeing some big changes

towards how we handle refrigeration systems. The turnout was excellent, thank you for your attendance.

You may have received a few emails from our chapter this month. It was brought to our attention that the Iowa Senate was working to pass Senate File 2311. This file would essentially defund Iowa's building energy efficiency/incentive programs. This bill could economically have an effect on our industry so we wanted to bring that to your attention. Senate File 2311 has since passed the senate and now waits for the house to read in. It may be read in as early as Monday, March 12th, to the Iowa House. We have provided further information in this newsletter about SF2311 and how you can get involved. If you would like to personally take a stance on this bill, we encourage you to contact your local house member and inform them. A large thank you goes out to our Tech Awards & GGAC Chairs for researching this senate file and keeping the ASHRAE Membership up to date.

Later this month we hope you can join us over the lunch hour at Noah's Ark on Ingersoll. On March 28th, we will be having a lunch meeting to promote membership. You are encouraged to bring a non-ASHRAE member along. We will waive their fee. The intent is to further our membership and outreach within our community. The CRC Chairs will provide an update on our conference. Andrew has prepared his history project for this year's CRC, he will review his project with us as well. Our RP Chairs will also be providing us with an update on how our chapter is doing this year.

Please save the date as well for our April meeting on the 18th. We will be hosting our first bowling event! Come out to Val Lanes, bowl a couple frames, socialize, have some food and beverages. There will be prizes awarded as well. Our YEA members are hosting their YEA meeting as well, so everyone is welcome to come out and enjoy a fun evening!

Thank you,

Luke Miller
Iowa Chapter President (2017-2018)

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www.ashraeiowa.org

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Kelly Crow 2011-2012

Holly Elbert 2010-2011

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Kit Cartwright 2008-2009

Jerrold Sieverding 2007-2008

Jason Kems 2006-2007

Chuck Heldenbrand 2005-2006

Jeff Gross 2004-2005

Ron Engelhardt 2003-2004

Dan Zaug 2002-2003

Susan Oltrogge 2001-2002

Christopher Nelson 2000-2001

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 Clint Leonard 1989-1990
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 Mark Allen 1981-1982
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Gerald Anderson 1979-1980
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Crom Campbell 1959-1960
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 G.J. Kraai 1955-1956
 W.E. Nanes 1954-1955

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 R.H. Schnell 1952-1953
 C.H. McGuiness 1951-1952
 R.S. Stover 1950-1951
 D.E. Wells 1949-1950
 D.C. Murphy 1948-1949
 C.A. Wheele 1947-1948
 E.O. Olson 1946-1947
 B.E. Landes 1945-1946
 W.W. Stuart 1944-1945
 C.W. Helstrom 1943-1944
 P.E. Triggs 1942-1943
 Perry LaRue 1941-1942
 R.A. Norman 1940-1941
 Tracy Johnson 1939-1940
 W.R. White 1938-1939

Upcoming Meetings

April Meeting

Date: Wednesday, April 18th
Location: Val Lanes, 100 Ashworth Rd, West Des Moines, IA 50265
Topic: Chapter Meeting, YEA Meeting, and Bowling Tournament!

More details to come!

Iowa Chapter Future Meetings

Month	Date	Location	Topic
September	29	The Legacy Golf Club	Fall Frolic Golf Outing
October	18	Ramada Tropics	Membership & RP Night
November	15	Ames	Student Night
December	11	Holiday Inn	SMCI / CSI Joint Meeting
January	17	Baker Group Offices	Advanced Prefabrication Techniques & Tour

February	15	Hotel Renovo	Refrigeration DL Presentation
March	28	Noah's Ark	MP, RP, & History Project
April	18	Val Lanes	Chapter Meeting and Bowling Tournament
April	19	At Your Desk!	ASHRAE Webcast - Myths About Energy Efficiency
May	14	Hyperion Field Club	Spring Fling Golf Outing

Society & Region Events

Month	Date	Location	Topic
January	20-24	Chicago, IL	2018 Winter Conference
May	3-5	Des Moines, IA	Region VI CRC
June	23-27	Houston, TX	2018 Annual Conference

Last Month's Meeting in Review

ASHRAE Standard 15 - A Review and Update

Dr. Douglas Reindl, Ph.D.,P.E. provided the Iowa Chapter members with a presentation on ASHRAE Standard 15 and an overview of its intent. The insight provided into the safe design, installation, and operation of refrigeration systems was invaluable. Dr. Reindl provided concise and practical information with regard to the design of variable refrigerant flow (VRF) systems and touched on the concerns of having these systems discharge their refrigerant load into an occupied space. Other refrigerants were also addressed as the industry continues to phase out certain types of refrigerant and replaces them with potentially more hazardous substitutes.

An award was presented to Zack Valigosky for a white paper he help research and author. The paper is titled *Improving Variable-Speed Pumping Control to Maximize Savings* and can be read [here](#).



Chapter President Luke Miller presenting Dr. Reindel with a gift to show the Iowa Chapter's appreciation for his presentation.



Zack Valigosky receiving recognition for his white paper being published.



Attendees at the February Meeting.

Research Promotion

ASHRAE Iowa Research Investors 2017-2018					
Go to http://ashraerp.com to donate online. Please contribute all donations to the Endowed Research via ASHRAE Foundation.					
Individual Investors		39.1% OF GOAL \$12,175.00 -TO GO!		Company Investors	
HR = Honor Roll participants \$100 min				HR = Honor Roll participants \$150 min	
Mr Eric R. Peterson	HR	\$20,000		AJ Allen Mechanical Contractors Inc.	HR
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Mr Jason E. Kems	HR	\$19,000		ASHRAE Iowa Chapter	HR
Mr Corey B. Metzger	HR	\$18,500		Vest-Feld-Hazer & Associates	HR
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Mr Luke Miller	HR	\$17,500		Products Inc.	HR
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Mr. Paul K. Melton	HR	\$12,000			
Mr. Fred Miller	HR	\$11,500			
Mr. Tyson Scheidecker	HR	\$11,000			
Mr. Andrew L. Pospisal	HR	\$10,500			
Mr. Christopher W. Nelson	HR	\$10,000			
Mr. James A. Lee	HR	\$9,500			
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Mr. Richard A. Kapustka	HR	\$8,000			
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As you can see we are still tracking short of our goal for this year's RP donations. Please consider donating on behalf of yourself or your company!

This year, the BOG is encouraging you to donate online in an effort to save paper and increase the efficiency of the RP donation process. Please visit the ASHRAE RP Donation page [here](#). ASHRAE provides options for you to determine where to place your donation. The Iowa Chapter is looking to increase its endowment and would appreciate it if you would place your donation in the box available next to “Endowed Research via ASHRAE Foundation”, check the box indicated that you understand that those funds are restricted for the support of ASHRAE Research, and put “Iowa Chapter” in the “Existing Fund Name (If known):” box. From there it’s as simple as any other online purchase with a credit card.

Don’t forget that ASHRAE is a 501(c)(3) organization. Contributions are deductible as allowed by law.
A receipt will be sent to the address listed above.

If you would still prefer to donate by check or have any further questions about the donation process, please contact dponxs@woodmaninc.com.

Thank you for your donation!

What's new in the Iowa Chapter?

Iowa Legislature Considering Energy Efficiency Bill

The Iowa Senate recently passed a bill that could have a significant impact on energy efficiency in our state. This bill, Senate File 2311, is now moving on to the House of Representatives. If passed, it could effectively reduce or eliminate the popular energy rebate programs currently offered by public utilities. ASHRAE Iowa Chapter members are strongly encouraged to educate themselves on this legislation, and to voice their opinion to their Representatives. Read the bill in its entirety [here](#), and find your State Representative [here](#).

ASHRAE Society News

2018 Annual Conference



[More Information Here](#)

April Webcast



Making Energy Efficiency a Reality

ASHRAE Webcast | April 19, 2018

Is advanced technology alone solving the case for energy efficiency? Delivering meaningful energy efficiency in buildings often requires debunking myths about building products, performance and solutions. This webcast will focus on strategies and policies that dive into deep efficiency goals. Featured ASHRAE speakers will address myths and realities they've discovered through real life experiences. Viewers will learn how a practical design approach can help achieve optimum energy performance in commercial and high-rise residential buildings across the globe. With varying climates and economies, one must consider a holistic approach when assessing a building and its systems.

Webcast will be available on demand from April 20th - May 4th, 2018.

[More Information & Registration](#)

Industry News

[VOC Emissions From Everyday Household Chemicals Now as Prominent as From Vehicles](#)

AUSTIN, Texas—In urban areas, emissions from consumer goods such as paint, cleaning supplies and personal care products now contribute as much to ozone and fine particulate matter in the atmosphere as do emissions from burning gasoline or diesel fuel, according to [recently published research](#). An interdisciplinary team from universities in the United States and South Korea found that emissions of

transportation-based volatile organic compounds (VOCs) have declined. However, "the use of volatile chemical products (VCPs)—including pesticides, coatings, printing inks, adhesives, cleaning agents, and personal care products" has increased to now account for "one-half of emitted VOCs in 33 industrialized cities." The study is published in the journal *Science*.

[Researchers in U.S., China Develop Method of 'Artificial Photosynthesis' to Store Energy](#)

BOSTON—Researchers in the U.S. and China have synthesized a new, dual-atom catalyst to serve as a platform for what they call "artificial photosynthesis." "Our research concerns the technology for direct solar energy storage," said Boston College Associate Professor of Chemistry Dunwei Wang, Ph.D., lead author of the report. "It addresses the critical challenge that solar energy is intermittent. It does so by directly harvesting solar energy and storing the energy in chemical bonds, similar to how photosynthesis is performed, but with higher efficiencies and lower cost." The study is published in the journal *Proceedings of the National Academy of Sciences*.

[Zero Energy House Experience](#)

A Connecticut building scientist and his family recently designed and built their own home. It nearly achieved zero energy status in 2017—despite the cold climate and unusual plug loads.

ASHRAE Learning Institute

Check out ASHRAE eLearning for more than 90 courses available on your computer. These courses have been created by HVAC&R professionals using ASHRAE's extensive pool of knowledge and most courses are recognized PDHs by AIA and GBCI (confirm with licensing body for specifics). Course options include:

- Introduction to Refrigerants
- Refrigerant Selection
- Refrigerant Management
- Ethics for the Built Environment Professional Engineer
- Standard 62.1-2013: Natural Ventilation Procedure
- Using Standard 90.1-2010 to Meet LEED Requirements
- Building Information Modeling
- Humidity Control Design: Basic Principles, Loads and Equipment
- Standard 189.1 for High-Performance Green Buildings - Energy Efficiency
- School of Hard Knocks: Controlling Moisture & Humidity in Buildings

[Click Here for More Details](#)

ASHRAE Learning Institute is offering HVAC Design Level I and Level II courses in St. Louis, MO in March. Level I is scheduled for March 19-20, and Level II is scheduled for March 21-22. There are discounted rates for ASHRAE Members and company discounts available. Learn the basics of HVAC design in the Level I course, expand your knowledge in Level II, or do both to fast track your experience level.

[Click Here for More Details](#)

Chapter Regional Conference

As we officially near Spring, the CRC committee has finalized a great program for this year's CRC in Des Moines. Registration is open! Technical tracks are planned! Special events are organized! This will be a wonderful event and we hope that you will take the time to join the Iowa Chapter in welcoming our other regional chapters to Des Moines. Find out more information [here](#).

[Register Here](#)



There's still time if you want like to get involved please contact [Jason Kems](#).

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Contact [Luke Miller](#) if you are interested in sponsoring the 2018 ASHRAE Region VI CRC.

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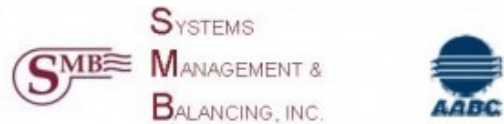
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