

**TOPICS THIS MONTH**

- January Meeting
- Presidents Corner
- December Meeting Recap
- Upcoming Meetings
- Training & Tech
- RP Progress

THIS MONTH AT ASHRAE**Refrigeration!**

Date: Thursday, January 28th

Location: Urbandale Hy-Vee
8701 Douglas Ave, Urbandale, IA

Events and Times:

5pm	Social
6pm	Dinner & Meeting
	<i>Social hour, dinner and meeting will be held at the Market Café.</i>
7pm	Tour
	<i>Come out and join us for a behind the scenes look at Hy-Vee's state of the art CO2 refrigeration system. It will definitely be cool!!!</i>

Cost: *Free to ASHRAE Iowa Chapter Members
\$15 for Guests*

Register at www.ashraeiowa.org if you plan to attend.

PRESIDENT'S CORNER:

Happy New Year, ASHRAE Members! I hope you had a wonderful and safe holiday season, and are enjoying the snow and cold weather. I for one couldn't take another minute of 60 degree sunny December days, the horror!

Our upcoming January meeting is Refrigeration and RP night. We're touring an innovative refrigeration system at the new Hy-Vee in Urbandale. We'll have dinner on location, and we're having a raffle for \$20 Starbucks gift card as an RP fundraiser, so bring some cash and come on out on **Thursday, January 28th**!

Adam Puls hosted a great YEA (Young Engineers in ASHRAE) last month at Fox Brewing. If you're 35 or younger, you're in YEA. Adam is mulling over ways our chapter can do more for you, let him know if you have any ideas. Speaking of last month, Victor Goldschmidt did a great job presenting at our joint meeting, at the YEA event that night, and he facilitated strategic planning for our chapter at a working breakfast the next morning! See his excellent write-up of events later in this newsletter.

And, just to make sure you have it on your calendar, Rick Merkle, Chief Boiler and Pressure Vessel Inspector, will be presenting at the Monday February 22nd lunch meeting at the Social Club downtown. He will be presenting an "Iowa Boiler Code Overview, Common Design/Installation Mistakes and Lessons Learned." This is a super practical topic whether you're a designer or installer, and it's a new and exciting location for us so I hope to see you there. As extra enticement, Justin Barrett will present on chapter history before lunch. It. Will. Be. Epic.

Also, the ASHRAE Technology Awards deadline is approaching early this spring. More details will be forthcoming, in the meanwhile contact me (matt@setpointmech.com) if you're interested. For an example award, look no further than the article later in this newsletter about Benny Skelton, one of our own now living in Chicago, whose Walgreens Net Zero Store project won the highest prize at the society level. Way to go Benny!

Finally, a quick reminder that the ASHRAE Winter Conference is coming up Jan 23-27, 2016 in Orlando, FL. Information can be found on the [conference website](#).

I look forward to seeing some familiar faces, as well as new ones, at these upcoming events!

Matt Gumm
Iowa ASHRAE Chapter President 2015-2016



Me and Victor at the December meeting. I enjoyed Victor's visit, I hope that you were able to see him.

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www.ashraeiowa.org

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PAST ASHRAE IOWA CHAPTER PRESIDENTS

Justin Barrett	2014-2015
Tim Conrad	2013-2014
Matt Jesson	2012-2013
Kelly Crow	2011-2012
Holly Elbert	2010-2011
Roger Leshner	2009-2010
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
Donald Swanson	1999-2000
Edward Truslow	1998-1999
James Hall	1997-1998
Robbin Vannoy	1996-1997
Mark Conway	1995-1996
Paul Melton	1994-1995
Gregory Maxwell	1993-1994
Jeffery Hammer	1992-1993
Jack Culp	1991-1992
James Lee	1990-1991
Clint Leonard	1989-1990
Charles Pedersen	1988-1989
Gary Reynolds	1987-1988
Dennis Hogan	1986-1987
Eugene Zefron	1985-1986
Donald Hagge	1984-1985
Robert Rist	1983-1984
Joseph Proctor	1982-1983
Mark Allen	1981-1982
Curtis Klaassen	1980-1981
Gerald Anderson	1979-1980
C.W. Miller	1978-1979
Richard South	1977-1978
Verne Stewart	1976-1977

Curtis Hammer	1975-1976
Ralph Schilling	1974-1975
Donald Bonicamp	1973-1974
Kent Mosher	1972-1973
Thomas Van Hon	1971-1972
Robert McBride	1970-1971
William Whitman	1969-1970
Einar Dahl	1968-1969
Eugene O'Neil	1967-1968
James Green	1966-1967
Neil Hanson	1965-1966
Bob Flanagan	1964-1965
Lyndon Kelley	1963-1964
Elwood Giberson	1962-1963
Vern Polly	1961-1962
John Bain	1960-1961
Crom Campbell	1959-1960
R.T. Howard	1958-1959
W.A. Schworm	1957-1958
D.E. Schroeder	1956-1957
G.J. Kraai	1955-1956
W.E. Nanes	1954-1955
J.F. Sandfort	1953-1954
R.H. Schnell	1952-1953
C.H. McGuinness	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

December Meeting Joint Meeting & DL

See below for excerpts from a write-up by DL Victor W. Goldschmidt

DL SUMMARY NOTES

Iowa Chapter

December 13-15, 2015

Victor W. Goldschmidt

Overview

Left home December 13, 2015 at 3:30 pm, arriving at DSM at 8:30 pm. There welcomed by Matt Gumm, who served as a perfect host, transporting me to the Holiday Inn downtown.

Two events were scheduled for Monday the fourteenth. The chapter lunch meeting held as a joint meeting with the local SMACNA and CSI chapters, included recognition of past presidents and a presentation on "Thinking Like an Engineer and Societal Challenges". Following a quality time with Greg Maxwell, a professor and faculty advisor to the local chapter at Iowa State (and also a very special colleague), Matt transported me to a dynamic YEA Social coordinated by Adam Puls (held at the Fox Brewery). December 15 started with a planning session with representatives from the BOG, scheduled for 7:30 to 9 am, and preceded Matt transporting me to the airport and return to Michigan.

I found this chapter to be strong, but with the opportunity to be much stronger. I felt very welcomed and was hosted in an excellent manner. There might be great opportunities to develop activities unifying and energizing the chapter for further growth. One such activity could be a planning "retreat" building on the Tuesday morning event and intentionally including more of the YEA membership as well as past presidents.

Chapter Noon Meeting - Lecture on "Thinking Like an Engineer and Societal Challenges"

This was a combined meeting with SMACNA and CSI, and I was pleased to refer to our president's theme of "Making Connections" and challenging the three chapters to consider joint activities such as outreach. It was also a time for Iowa to honor past presidents. The presentation stressed the importance of critical thinking ("ask questions"), the nature of engineering problems invariably with alternative solutions, and the need for creativity and in turn recognizing the importance of right brain and subconscious thinking. I was intentional in presenting a slide with a picture of David Underwood and his presidential theme, as well as pictures of the corresponding presidents for SMACNA and CSI and available mission statements.



YEA - Social and words related to "So you think you want to be a leader"

Adam coordinated the event in a brewery open only for this event. There were more than twenty YEA members present, and to my surprise many did not know most of those present. Apparently this YEA group meets only infrequently. There is a great potential in this group, and hopefully this past meeting will lead to more activities and ultimately chapter and broader involvement.



My comments were in the form of informal dialog, underscoring the importance of envisioning, equipping, empowering, edifying, and evaluating in leadership - as well as some of the hazards of change. Past successes and failures in my role as a leader were shared reinforcing the importance of the "5 E's".

***Working breakfast with BOG.***

Held in a quiet area of a local eatery, the planning event started shortly after 7:30am, and ended near 9:00 am. Matt and Adam were present representing the BOG and we accomplished quite a bit. In the form of a summary:





* I highlighted the contents of strategic plans, and outlined a process I have found most effective. First step: through a consensus process determine core values, and following consideration of relational webs, and drawing sketches for a chapter's vision, through a consensus process develop a vision statement. Second step: intentional ideation session to develop (accompanied by creativity enhancing exercises) a long list of potential action items. Third step: grouping and prioritization of the listed action items. Fourth step: naming the groups as individual goals, and rewording the corresponding high priority items in the form of objectives. The Mission Statement then can be easily formulated based on the selected goals developed with the vision in mind.

* We completed the first step, and now expecting to schedule a planning session (of no less than four hours) to follow up on the first step and work toward listing action items and drafting goals and objectives

* The output of this first step:

- Core values were selected:
 - collaboration;
 - education;
 - innovation;
 - quality (improvement);
 - outreach.
- Vision statement was developed:
 - "Community Invested in Engineering and Energy"

these should form the building block for the more extensive (and intensive) planning session.

ASHRAE Tech Awards

Walgreens Net Zero Store

Benjamin A. Skelton, P.E., BEMP, president, Cyclone Energy Group, Chicago, Ill., receives first place in the new commercial buildings category for the Walgreens Net Zero Store, Evanston, Ill. The building is owned by Walgreen Co.

The global retail pharmacy brand set out with a vision to create a scalable retail building design that would serve as a showcase for innovative, sustainable and high performance design to sustainability, architecture, engineering and retail communities. The store is designed to achieve net zero energy use by the National Renewable Energy Laboratory's most stringent definition of "renewable energy generated within the building footprint."

Among its innovative features are:

- 840 roof-mounted solar panels, generating enough energy to power 30 Illinois homes for a year
- two 35-foot-tall wind turbines, using winds from Lake Michigan to generate enough power to offset annual greenhouse gas emissions from 2.2 passenger vehicles
- geo-exchange energy obtained by drilling 550 feet into the ground below the store
- LED lighting and daylight harvesting
- carbon dioxide refrigerant for heating, cooling and refrigeration equipment
- energy efficient building materials

The owner set out with a vision to create a store that would be an innovation laboratory to test products, materials, systems and equipment that could be incorporated into prototype designs and retrofit throughout existing stores. Walgreens also wanted to share the results from the design, construction and ongoing operation of the store with the public, design community and even their competition. The store is designed to facilitate tours, including hosting executives and designers from their retail competition.

UPCOMING MEETINGS:

February Meeting – Code Update & History

Date: *Monday, February 22nd*

Location: Des Moines Social Club
900 Mulberry St, Des Moines, IA 50309

Program: Des Moines Chief Boiler Inspector

Topic: Iowa Boiler Code Review & Common Mistakes

Look for more details in the February Newsletter!

2015-16 Meeting Dates

MONTH	Topic	Date
July	-	-
August	-	-
September	-	-
October	-	-
November	-	-
December	-	-
January	Refrigeration	28
February	Des Moines Chief Boiler Inspector	22
March	Supertech Meeting	15
April	ASHRAE Webcast	TBD
May	Spring Fling	TBD

Winter Meeting	2016 Winter Conference – Orlando, FL	Jan 23-27
CRC	Region VI CRC –Madison, WI	TBD
Summer Meeting	2016 Annual Conference – St Louis, MO	Jun 25-29



2016 ASHRAE Winter Conference
Jan. 23–27 | Orlando Hilton | Orlando, Fla.

*New Technical Program Tracks, Networking,
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Special first time attendee registration fee available! Low, early-bird registration rates end Nov. 2. Register early! Registration to the ASHRAE Winter Conference includes free access to the AHR Expo!

2016 AHR Expo
Jan. 25–27 | Orange Co.
Conv. Center | Orlando, Fla.

ASHRAE

Venues are strategically located next to each other for easy access.

ASHRAE'S Attics & Antiques:

We have gone digital! Attics & Antiques can be found on the ASHRAE Iowa Website. Click on the link below to Check It Out!

[ASHRAE's Attics & Antiques](#)

Training Opportunity

3-day HVAC Design: Level I – Essentials training and the 2-day HVAC Design: Level II – Application is confirmed for April 25-27 and April 28-29, 2016 respectfully. The training will be held in Minneapolis, MN. As in the past, I would like to ask the Iowa Chapter to help us promote the training throughout Region VI. A promotion from the Chapter is a huge endorsement to our efforts!

Visit the HVAC Design Training webpage at <https://www.ashrae.org/hvactraining> for more details on the value of this training.

Technology Awards Deadline

The **Technology Award** deadline of March 16th is approaching fast.

The Technology Awards recognize ASHRAE members who design and/or conceive innovative technological concepts that are proven through actual operating data. Awards are given for new and retrofit applications for several categories of buildings, industrial facilities and processes. Chapter award winners can be submitted into Regional competitions, and Regional winners are invited to compete for Society level Awards. Applications are judged with respect to energy efficiency, indoor air quality, innovation, operation & maintenance, cost effectiveness, environmental impact and quality of presentation. Society level award winners get written up in the ASHRAE Journal.

The ASHRAE Iowa Chapter is soliciting Technology Award Applicants. The purpose of the awards is three-fold:

- To recognize ASHRAE members who design and/or conceive innovative technological concepts that are proven through actual operating data.
- To communicate innovative systems design to other ASHRAE members.
- To highlight ASHRAE technological achievement to others, including associated professionals and societies worldwide, as well as building and facility owners.

If interested in submitting a project, contact Iyhab Hasan at ih966@msn.com

Submissions for the chapter level will be due by **March 16th, 2016**.

For more information on the Technology Awards Program visit:
<https://www.ashrae.org/technologyawards>

ASHRAE Iowa Research Investors 2015-2016					
Individual Investors HR = Honor Roll participants \$100 min		17.5% OF GOAL	\$15,688.00 -TO GO!	Company Investors HR = Honor Roll participants \$150 min	
Mr Jason E Kems	HR	\$18,000		Integrity Test & Balance	HR
Mr Mark G Conway	HR	\$17,500		Dahl Air Conditioning & Heating	HR
Mr Kit C Cartwright	HR	\$17,000		Shive-Hattery Inc	HR
Mr Andrew L Pospisal	HR	\$16,500		Systems Management & Balancing Inc	HR
Mr Kit C Cartwright	HR	\$16,000		Vest-Feld-Hazer	HR
Mr Justin J Barrett, PE	HR	\$15,500			
Mr Daniel L Ponxs	HR	\$15,000			
Mr H Fred Miller	HR	\$14,500			
Mr Luke Miller	HR	\$14,000			
Mr James Edward Hall	HR	\$13,500			
Mr David Poetting	HR	\$13,000			
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		\$4,500			
		\$4,000			
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