Iowa Stalks
Monthly Newsletter - April 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

April Chapter & YEA Meeting

Date: Wednesday, April 18th

Where: Val Lanes
100 Ashworth Rd West Des Moines, IA 50265

Presentations:

- Andrew Pospisal will present his history project
- Chapter Regional Conference (CRC) update

Schedule:

- 5:00 – Announcements
- 5:30 – Bowling Tournament

Cost: $5 to cover the cost of bowling, drinks, and pizza
Bowling: Singles bowling tournament with prizes for 1st, 2nd, and 3rd place. Separate tournament for YEA members.

April Webcast

Date: Thursday, April 19th

Where: Your desk!

Presentation:

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
President's Corner

Greetings! Thank you to everyone who made it to our Membership Promotion Luncheon. If you were unable to attend or know of someone interested in becoming a member of ASHRAE, please put them in touch with Tim Conrad or Mitch McColloch (our membership promotion chairs).

Coming up on April 18th, we are hosting our first ever bowling tournament. There is still time to register, please do so. Admission is $5 for bowling, shoes, food, beverages, prizes, etc. This will be a fun event, our Young Engineers in ASHRAE (YEA) will also be in attendance. Share this event with your co-workers, as we hope this becomes an annual event. Click Here to register.

ASHRAE Iowa Chapter
www.ashraeiowa.org

- Board of Governors -
Brandon Bratz
Chris Clausen
Ted Gerber
Joe Nielsen

- Officers -
President
Luke Miller
President Elect
Brian Steffens
Treasurer
David Poetting
Secretary
We all could use some warm, happy thoughts. What better way then to recruit your team for the ASHRAE Spring Fling Golf Outing. May 14th, we will be hosting our golf outing at Hyperion Field Club. Our golf committee is working hard with Mother Nature to get some warm, sunny weather. Click Here to register your golf team and or commit your corporate sponsorship.

Extended Early Bird Registrations for CRC are expiring soon. The registration fees after the early bird rate are still a great return on investment. Between our ASHRAE Learning Institute (ALI) Short Course on Thursday and our Technical Sessions on Friday there is an opportunity to earn 9 professional development hours. Make sure to sign up for the evening events as well, this event will be unlike any other CRC. We hope you can join us and help us promote the Iowa Chapter to our guests that will be in attendance. Here is a link to our CRC Webpage.

Our GGAC committee has been following the status of SF2311 through the Iowa Legislature. The bill is still under discussion in the House. Several amendments were recently issued through this bill. If you have a stance on this topic, please contact your local legislature to express your platform. Contact any BOG member if you would like further information.

In closing, Dean Jukam, a close friend and co-worker to many of us in the mechanical industry, recently passed. Dean owned and operated Systems Management for several decades until the early 2000s. He was an active member in our mechanical community, he will greatly be missed.

Adam Pul

- Committee Chairs –
  Attendance
  Dan Zaug
  Auditing
  Joe Moench
  CTTC
  Matt O'Banion
  Tyson Scheidecker
  eCommittee
  Jason Kems
  Education
  Kit Cartwright
  Roger Lesher
  GGAC
  Matt Jesson
  Historian
  Andrew Pospisal
  Honors & Awards
  Matt Gumm
  Membership
  Tim Conrad
  Mitch McColloch
  Product Directory
  Holly Elbert
  Refrigeration
  Justin Barrett
  Research Promotion
  Michael Gustafson
  Dan Ponxs
  Student Activities
  Emmett Konrad
  Mike Wolfe
  TEGA
  Peter Ernzen
  Matt Swenka
  YEA
  Heidi Turner
See you April 18th at Val Lanes!

Luke Miller
Iowa Chapter President (2017-2018)

Past Presidents

Andrew Pospisal 2016-2017
Matt Gumm 2015-2016
Justin Barrett 2014-2015
Tim Conrad 2013-2014
Matt Jesson 2012-2013
Kelly Crow 2011-2012
Holly Elbert 2010-2011
Roger Lesher 2009-2010
Kit Cartwright 2008-2009
Jerrod 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

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
Einar Dahl 1968-1969
Eugene O'Neal 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. McGuiness 1951-1952
R.S. Stover 1950-1951
D.E. Wells 1949-1950
D.C. Murphy 1948-1949

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  

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
# 2018 Spring Fling

## ASHRAE Golf Outing

### “Shotgun Start”

**When:** 1:00 PM Monday May 14, 2018  
**Where:** Hyperion Field Club  
7390 NW Beaver Dr.  
Johnston, IA 50131  
(See Map on Back)  
515-278-4711

**Costs:**  
- Golf: $80.00 for 18 Holes and Half a Cart  
- Dinner: $40.00 Dinner  
- Dinner & Golf: $120.00 Total

**Plus** $5.00 Mulligans  
(Limit 4 Mulligans per player)

**Send payment to:**  
Jeff Hammer by Monday May 7, 2018  
Mail to: Hart-Hammer, Inc.  
529 Elm Street  
West Des Moines, Iowa 50265  
Attn: Jeff Hammer  
Phone: (515) 277-3069  
Fax: (515) 277-3069  
Jhammer@HartHammer.com

### Players:

(Complete and fax / mail / email) - ALL FEES REQUIRED PRIOR TO THE DEADLINE

<table>
<thead>
<tr>
<th>Name</th>
<th>Golf</th>
<th>Dinner</th>
<th>Mulligans</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Register Online!**

For Golf Sponsorship

(See reverse)

**DRESS CODE:** See reverse

**For Credit Card Payments:**

If you would like to pay by credit card, we would ask that you register and pay online at our registration website under the Event Registration tab. If you would prefer to pay with a credit card over the phone, please call the number above and ask for Jason Kern or Jeff Hammer. You may use Visa, Master Card or American Express.

**Registering On-Line:**

Registration for the event is required online. You can sponsor the event, enter all of your teammates and get your Mulligans all set up prior to the event. Payment is fast and secure using PayPal or we can accept checks. Please have all payments in for the event no later than the registration deadline or your spot may be given to someone else.

[www.ashraeiowa.org](http://www.ashraeiowa.org)
**Sponsorships and Door Prizes**

Proceeds will go to ASHRAE RESEARCH PROMOTION and the Iowa Chapter of ASHRAE.

All sponsorships must be requested and paid for by the registration deadline.

- **Silver - $100**
  - Gets you a **COLOR SIGN** at a tee box of one of the holes

- **Gold - $250**
  - Also gets your name on a sponsorship list at the prize table and sponsors a pin event

- **Platinum - $500**
  - Also gets your name at the registration table and sponsors the main door prizes

**ALL sponsorship levels will have a portion of the sponsorship go to purchasing door prizes for the event. The main door prizes will be given at the end of the event after dinner. You must be present to win.**

Don’t miss the opportunity to be a sponsor for the outing. See our website at [www.ashraeiowa.org](http://www.ashraeiowa.org) for more details and to register on-line. You don’t have to put together a team to sponsor the event.

**Dress Code**:

- Collared Shirt - No T-Shirts
- Nice pants or Shorts - No Cutoffs or Jeans
- Golf Shoes Preferred - No Tennis Shoes
- Soft Spikes Required on this Course

**Register Your Team Here!**

---

**Iowa Chapter Future Meetings**

<table>
<thead>
<tr>
<th>Month</th>
<th>Date</th>
<th>Location</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>September</td>
<td>29</td>
<td>The Legacy Golf Club</td>
<td>Fall Frolic Golf Outing</td>
</tr>
<tr>
<td>October</td>
<td>18</td>
<td>Ramada Tropics</td>
<td>Membership &amp; RP Night</td>
</tr>
<tr>
<td>November</td>
<td>15</td>
<td>Ames</td>
<td>Student Night</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Month</th>
<th>Date</th>
<th>Location</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>January</td>
<td>20-24</td>
<td>Chicago, IL</td>
<td>2018 Winter Conference</td>
</tr>
<tr>
<td>May</td>
<td>3-5</td>
<td>Des Moines, IA</td>
<td>Region VI CRC</td>
</tr>
<tr>
<td>June</td>
<td>23-27</td>
<td>Houston, TX</td>
<td>2018 Annual Conference</td>
</tr>
</tbody>
</table>

**Last Month's Meeting in Review**

**Membership Promotion and Research Promotion Lunch Meeting**

The goal of this meeting was to bring in non-members to a chapter meeting and expose them to the benefits of joining the ASHRAE Iowa Chapter. Information about MP, RP, and CRC was shared. There was good attendance from members and non-members alike.
Chapter President Luke Miller addressing the group and thanking members and non-members for their attendance and interest in the ASHRAE Iowa Chapter.

CRC Chair, Jason Kems, presenting on the progress of the CRC planning and sharing with the group the many opportunities for learning and fun available to CRC attendees.
RP Co-Chair, Dan Ponxs, sharing the progress and importance of the Iowa Chapter's fundraising campaign thus far. RP fundraising has been slower than in past years, so if you or your company are considering donating, please don't wait. Your donations make an impact nationally, regionally, and locally. Current RP projects are taking place at Iowa State University.

---

Research Promotion

The end of the ASHRAE Society year is coming up quickly. Please consider donating to RP if you haven't already. Any donation is helpful and appreciated. If you have any specific questions about how your donated money will be used, please contact Dan Ponxs.
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](https://mailchi.mp/b4788d4a2aa3/the-ashrae-iowa-march-2018-iowa-stalks-newsletter-202951?e=4ba888b41d). 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 dpfoxs@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 in the House of Representatives and currently going through the amendment phase. 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.

Iowa Chapter Technology Awards

This year we have three 2018 AHSRAE Iowa Technology Awards first place winners!

Health Care Facilities – New Category
Broadlawns Medical Center East University Medical Clinic – Tyson Scheidecker

Commercial Buildings – New Category
Fairfield Inn & Suites, Altoona – Jake Cunliffe

Institutional Buildings – Educational Facilities – Existing Category
Iowa State University, Marston Hall – Lincoln Pearce

The Fairfield Inn & Suites and Marston Hall submissions will be moving on to the Regional Level Competition. Regional Winners will be announced at this year’s CRC in Des Moines.

You can read all three of the first place submissions on the Technology Awards page on the ASHRAE Iowa website after they are uploaded on April 20th.
Congratulations to Tyson, Jake and Lincoln for winning Iowa Chapter first place awards!

---

**ASHRAE Society News**

---

**eLearning Course on Refrigerants for Non-Specialists**

The course is mainly designed for non-specialist in HVAC&R operation and servicing i.e. National Ozone Units (NOUs), policy makers, procurement officers, buildings owners,

facility managers, etc. It is also recommended for HVAC&R engineers, consultants
and technical people who wish to get an overall and holistic overview about refrigerants and its progression.

The course consists of 4 lessons. Lesson 1 covers refrigerants types and addresses environmental considerations. Lesson 2 deals with refrigerant classifications, including ASHRAE Standards 15 and 34. Lesson 3 addresses refrigeration selection, including residential and small commercial applications. Lesson 4 covers refrigerant management, including the development of a management plan, containers, storage, and recovery, recycling, and reclamation.

If this is something you'd like to enroll in, or share with your clients or contacts outside of our industry, please follow the instructions on the infographic below.

---

**Enrollment Process**

Government officials and policy makers may enroll in the Refrigerants Literacy Course as follows:

1. Send your first name, last name, title, organization, email address, and a physical address via email to GovAffairs@ashrae.org. Please indicate in the subject line, “Refrigerants Literacy Course.”

2. If multiple individuals from the same organization want to register, you may put this information in a spreadsheet, and email the spreadsheet to GovAffairs@ashrae.org.

3. ASHRAE will validate the enrollee is a government official or policy maker.

4. ASHRAE will create an account for you and will enroll you into the course.

5. ASHRAE will send you an email with eLearning portal access credentials, and the URL to access the course.

6. Once enrolled, the subscription lasts for 12 months, so you have 12 months to complete the course.

---

**Technical Support**

If a learner has any difficulties with login or course access, they should contact eLearning@ashrae.org. This support email address is indicated in the eLearning portal, [https://elearning.ashrae.org/](https://elearning.ashrae.org/).

---

**2018 Annual Conference**
Industry News

ASHRAE Handbooks News

Starting with the 2018 ASHRAE Handbook—Refrigeration, Handbook PDFs will be available for download from the ASHRAE Technology Portal, as the Handbook CD will no longer be manufactured or distributed. The PDF download includes the same information provided on the CD.

Beginning June 1, 2018, you can sign in to the Technology Portal and download the entire volume or individual chapters of the 2018 ASHRAE Handbook—Refrigeration, using your ASHRAE member sign in credentials.

ASHRAE's Building Energy Quotient (Building EQ) Portal provides a quick energy analysis that compares your building to similar buildings within the same climate, helps to identify means to improve your building's energy performance, and provides data on Indoor Environmental Quality.

Both the In Operation and As Designed evaluations are now available in the Building EQ Portal. The As Designed rating compares potential building energy use to the baseline performance of similar buildings using a simulated standardized energy use model.

Paris, Autodesk Partner for Renovation That 'Reimagines' Eiffel Tower

PARIS—The City of Paris is partnering with Autodesk to renovate aspects of the Eiffel Tower and its surrounding area using building information modeling (BIM). The renovation project is meant to tie into Paris' hosting of the 2024 Olympics. Paris has
launched a competition for building teams to "reimagine" the site. With BIM, the city can simulate the structural integrity of buildings, as well as the movement of people through the streets and even the spread of aerosols. This enables the competing teams to test features that take into account climate change and even potential terroristic threats. Autodesk will create a digital 3-D model of the existing Eiffel Tower site and will support the selected teams with the development and visualization of their designs.

800 ft² House 3-D Printed in Less Than a Day, Meets Code
AUSTIN, Texas—A charitable organization and a start-up robotics construction company this week demonstrated a means to 3-D print a house in less than 24 hours. At the South By Southwest conference being held in Austin, Texas, the partners unveiled what is believed to be the first 3-D printed house that is fully up to code and permitted for people to inhabit. The 800 ft² (74 m²) house cost around $10,000 to build using the robotics company's proprietary printer. The company, Icon, says it can eventually get the cost per house to around $4,000 and the time to construct the house to six hours. The partners plan to use the technology to build inexpensive housing in developing countries.

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
Chapter Regional Conference

The CRC committee has finalized a great program for this year's CRC in Des Moines. Register now to participate in this great event.

Technical Courses and associated PDHs:

- ASHRAE Learning Institute (ALI) Short Course – Humidity Control II: Real-World Problems & Solutions - 3 PDHs
- Energy Efficient Windows and Fenestration - 1 PDH
- Applying ASHRAE Standards to Existing Buildings - 1 PDH
- How Long Will it Last? Addressing the Challenge of Sustainability - 1 PDH
- How to Implement DCV and Comply with ASHRAE Standards - 1 PDH
- Energy Efficiency in Commercial Bldgs - 1 PDH
- Commissioning, Operating, Maintaining Air-to-Air Energy Recovery Systems - 1 PDH
- Ethical Decision Making – An Exercise in Application - 1 PDH
- Chilled water systems for YEA: What the Gen Xers and Baby Boomers have done wrong! - 1 PDH
- Targeting Success – Improve Employee Satisfaction and Profit - 1 PDH
- Waterside Heat Recovery - 1 PDH

Additional hospitality, companion, and special events are planned!

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]
CRC Sponsors

**GRAND CHAMPION SPONSORS**

- [Distech Controls](#)
- [ Victaulic](#)
Contact Luke Miller if you are interested in sponsoring the 2018 ASHRAE Region VI CRC.
Sponsoring our monthly newsletter is a great way to advertise your business and support your Iowa ASHRAE Chapter. Please consider sponsoring for the 2017-2018 society year. Renewing and new sponsors need to send in payment immediately for inclusion in next month’s newsletter. Please make checks payable to: ASHRAE Iowa. The cost is $125.

Send payment to:
David Poetting
ASHRAE Newsletter Sponsorship
P.O. Box 3686
Urbandale, IA  50323

Adam Puls is collecting cards for the sponsors. If you’ve paid and don’t see your card here or would like to revise the card shown, send a card-sized PNG or JPEG file to: apuls@shive-hattery.com.