

ASHRAE Iowa Chapter
www.ashraeiowa.org
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 Joe Moench
 Brian Steffens
 Tyler Luttenegger

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Education
[Kit Cartwright](#)

GGAC
[David Poetting](#)

Historian
[Tim Conrad](#)

Honors & Awards
[Matt Jesson](#)

Membership
[Patrick Peterson](#)

YEA
[Val Hageman](#)

Refrigeration
[Christopher Deal](#)

Research Promotion
[Dan Ponxs](#)
[Vince Sanders](#)

Student Activities
[Holly Elbert](#)
[Mike Wolfe](#)

TEGA
[lyhab Hasan](#)

THIS MONTH AT ASHRAE

Membership Promotion & Energy Star Program

Date:

Tuesday, January 13th

Schedule:

5:00 pm: Social Hour & Tour
 6:00 pm: Dinner
 6:30-7:30 pm: Presentation

Social Hour:

Shive-Hattery

Presentation:

We will be joined by Craig Bernstein with Energy Star. Craig is going to provide us with a presentation highlighting Energy Star.

We have the honor to be joined by members of the Des Moines Public Schools. DMPS has been a multiple year recipient from Energy Star for the renovation efforts they have invested into their facilities.

Location:

Shive-Hattery
 4125 Westown Parkway, Suite 100
 West Des Moines, IA 50266

Chapter Meeting/Dinner Cost:

Dinner: Free for ASHRAE IA Members and \$20 for non-members

RSVP

["Click Here"](#) to register for the Dinner

****Use Coupon Code MEMBER****

Please join us January 13, 2015 at Shive-Hattery's New Office Building. Craig Bernstein, Director for the EPA, is going to present on Energy Star. Des Moines Public Schools has been a multiple year recipient of the Energy Star Partner of the Year for Sustained Excellence.

We are very excited to hear what Mr. Bernstein has to share about the Energy Star program and how its success is impacting our communities as well as our careers.

To read more about the Des Moines Public Schools Energy Star Partner of the Year for Sustained Excellence award ["Click Here."](#)

PAST PRESIDENTS

| | |
|--------------------------|-----------|
| Tim Conrad | 2013-2014 |
| Matt Jesson | 2012-2013 |
| Kelly Crow | 2011-2012 |
| Holly Elbert | 2010-2011 |
| Roger Leshner | 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 Zaugg | 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. McGuiness | 1951-1952 |
| R.S. Stover | 1950-1951 |
| D.E. Wells | 1949-1950 |
| D.C. Murphy | 1948-1949 |
| C.A. Wheeler | 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 |

President's Corner



Greetings and Happy New Year! Welcome to a frigid 2015. I like to remind myself of this time of year anytime I hear someone complain about summer heat and humidity. We can all be thankful we have reliable heating systems to keep us happy and healthy.

Your Board of Governors has been working diligently on a great slate of meetings to kick off 2015. First up: our January meeting on the evening of **Tuesday, 1/13/15**. The topic will be the Energy Star program for buildings. We are lucky enough to have Craig Bernstein with the EPA speaking on the topic. Joining him will be Bill Good with Des Moines Public Schools to talk about their experiences with the program. See the chapter website or the front page of this newsletter for more details and make sure to get registered. The meeting will take place at Shive-Hattery's new office in West Des Moines. They will be offering tours of the new facility during social hour before dinner. We will have an update on membership promotion and the ASHRAE Chapter Technology Awards. Our TEGA Chair, Iyhab Hasan,

will be sharing information on the awards at the meeting. Please contact Iyhab, or anyone on the BOG, if you need information. The submission deadline will be in the late winter/ early spring of 2015.

In the month of February we will have our annual Young Engineers in ASHRAE (YEA) event on **Thursday 2/5/15** at Up-Down in the East Village. This event is open to anyone in the industry 35 years old or younger, not just ASHRAE members. If you have any young people in your offices that are not ASHRAE members, please encourage them to attend this event. This is always a good opportunity to inform potential members on the benefits of ASHRAE. Look for more details on the chapter website and coming soon in email reminders. Following that, on **Monday, 2/16/15** we will have our Chapter meeting. This will be a lunch meeting with an update on IECC 2012 by Dave Ruffcorn. Mark your calendars and look for more details & registration at www.ashraeiowa.org.

Hope to see you all at an upcoming event!

Justin Barrett
ASHRAE Iowa Chapter
President
2014-15

UPCOMING CHAPTER MEETINGS

January 13th
Energy Star
Presentation by
Craig Bernstein

Membership
Promotion/Tech
Award

Location:
Shive-Hattery's
New Office

February 5th
YEA Happy Hour

Young Engineers in
ASHRAE social
gathering

Location:
Up-Down

February 16th
Resource
Promotion Lunch
Meeting

International
Mechanical Code
Update

Location:
Vatterott College

January Meeting (Tuesday the 13th)



Membership Promotion & Tech Awards

Schedule (times still to be finalized):

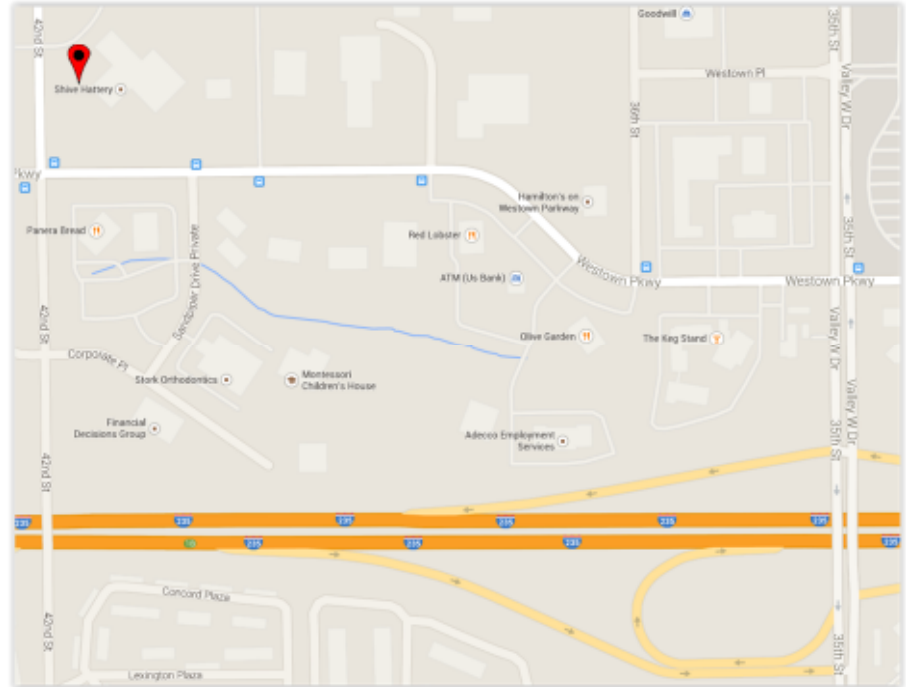
5:00 – 6:00 PM: Social Hour

6:00 – 6:30 PM: Dinner

6:30: Presentation by Craig Bernstein

Location:

Shive-Hattery, Inc.
4125 Westown Parkway, Suite 100
West Des Moines, IA 50266



Please join us January 13, 2015 at Shive-Hattery's New Office Building. Craig Bernstein, Director for the EPA, is going to present on Energy Star. Des Moines Public Schools has been a multiple year recipient of the Energy Star Partner of the Year for Sustained Excellence.

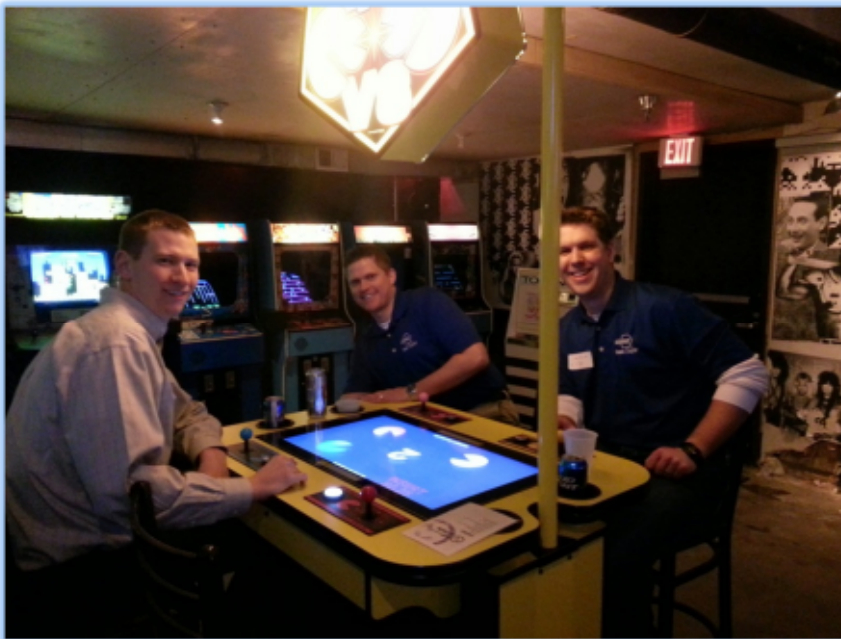
We are very excited to hear what Mr. Bernstein has to share about the Energy Star program and how its success is impacting our communities as well as our careers.

To read more about the Des Moines Public Schools Energy Star Partner of the Year for Sustained Excellence award ["Click Here."](#)

YEA Meeting (Thursday February 5th)

2015 Central Iowa Chapter YEA Happy Hour

When: Thursday, February 5, 2015 5:00 p.m. – 7:00 p.m.
Where: Up-Down
Basement of 500 East Locust Street, Des Moines, IA 50309
www.updowndsm.com
What: YEA Happy Hour(s) & Unofficial 2015 Jenga Championship
Who: ASHRAE Members 35 and under and colleagues interested in ASHRAE



Pictured left: David Poetting (Johnson Controls), Tim Conrad (Mechanical Sales, Inc.), and Luke Miller (AJ Allen), engaged in a raucous game of Pac Man (February 2014).

Come enjoy pizza, drinks, and healthy-*ish* competition and quality networking with some of Central Iowa's finest! Game tokens, drinks, and pizza will be provided by Central Iowa ASHRAE Chapter.

What is YEA? Young Engineers in ASHRAE. It's an elite group of Central Iowa's top, young talent.

Who is a YEA member, you ask? **You!** If you're 35 or younger and a dues paying member of ASHRAE, you're automatically included.

February Meeting (Monday the 16th)



Research Promotion Lunch

Schedule (times still to be finalized):

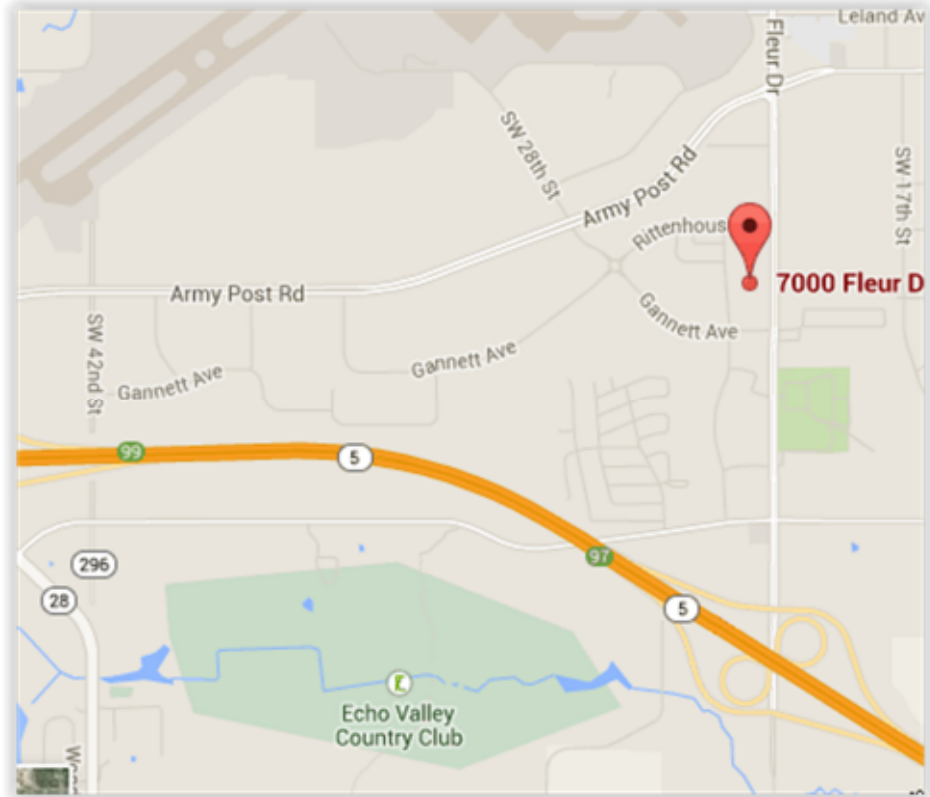
11:15: Registration

11:30: Lunch

12:00: Presentation by Dave Ruffcorn

Location:

Vatterott College
7000 Fleur Drive
Des Moines, IA 50321



Our February meeting will be a lunch meeting with a presentation by Dave Ruffcorn. Dave will be providing us with an IECC Code Update. Dave Ruffcorn works for a Division of the State Fire Marshal to help aid the enforcement of the State Energy Code. He was hired by the state to become the first State Energy Engineer.

ASHRAE Iowa December Meeting



In December CSI hosted our Joint Meeting with SMCI and CSI at the Holiday Inn Downtown. The top photo is a picture of our past presidents that were able to attend the meeting with us (pictured left to right: Holly Elbert, Kit Cartwright, Kelly Crow, Tim Conrad, Chuck Heldendbrand, Susan Oltrogge, Curt Klassen, and Ron Engelhardt).

Tim received a plaque for his services last year as our chapter president. He also gave us a briefing on his history report which is included in the newsletter.

Jason and Matt from the Weidt group gave a presentation on how to incorporate energy modeling throughout the design process for the lifespan of a building.



TRAINING: ENERGY EFFICIENCY

IGSHPA Geothermal Installer Certification

Presenter: Dr. Charles Remund

Co-Author of "Design and Installation of Residential and Light Commercial GSHP Systems"

February 3-5, 2015
8:00 a.m. – 5:00 p.m.

Become a Certified Installer

The International Ground Source Heat Pump Association (IGSHPA) Accredited / North American Technician Excellence (NATE) Certified Geothermal Installer Course is a comprehensive three day training in the installation and design of geothermal heat pump systems that gives you the tools necessary to succeed in the GSHP industry (including a complete geothermal reference library). Those that successfully complete the course and pass the certification exam issued on the last day of the course will receive IGSHPA accreditation as well as NATE certification.

About the Presenter

Dr. Remund has over 25 years of experience installing and designing geothermal systems. He has been a

certified instructor for IGSHPA since 1994. He was on the Mechanical Engineering faculty at South Dakota State University from 1988 until his retirement in 2009, where he taught thermodynamics, heat transfer, fluid dynamics, design of thermal systems and applied laboratory courses.

Continuing Education Credits

10.75 hours - Certified Well Contractors
20.75 hours - Professional Development
22.00 hours - HVAC Continuing Education hours by the Iowa Plumbing and Mechanical Systems Board

Sponsors and Partners

We are proud to have the Iowa Geothermal Association as a co-sponsor for this training. The training and presenter are provided by our partners at GeoConnections Inc.

Register Now! \$100 Early Bird Discount For First Ten Registrations

The Iowa Geothermal Association (IGA) is offering a \$100 credit to the first ten registrants (either full or training-only) and a free one-year IGA company membership for non-member companies, or a renewal credit for a current IGA company membership. This offer is for 10 total discounts, regardless of which registration chosen. **Questions?** Contact Denise Junod at (515)965-7055 or djunod@iastate.edu. **To register contact Denise or go to www.iowaenergycenter.org/events** and look for Energy Efficiency Training: IGSHPA.

Full Registration

\$700.....Early Bird Discount
\$800.....Regular Registration
Includes NATE Exam + 3-yr IGSHPA membership

Training Only Registration

\$480.....Early Bird Discount
\$580.....Regular Registration
Does NOT include exam or IGSHPA membership

Training Location

Energy Resource Station, Bldg. 23
DMACC 2006 S. Ankeny Blvd.
Ankeny, Iowa

Both registrations include continental breakfast and lunch for all days

Registration Deadline:

January 20, 2015*

CONNECT WITH US :



www.iowaenergycenter.org

* The Iowa Energy Center reserves the right to cancel the training if fewer than ten registrations are received by **January 20, 2015**



History Project 2014-15

KJWW Des Moines 25th Anniversary



Tim Conrad
Chapter Historian
12/15/2014

The Beginning. On July 15, 1989, KJWW Engineering Consultants officially announced the opening of their new Des Moines Office. They had been involved with several projects located throughout Central Iowa over the years so they felt it was time to open a brick and mortar location to better serve their customers and expand their client base.

Scott Bowman was hired specifically to manage and grow the Des Moines office. He was a graduate of Iowa State University's mechanical engineering program and a licensed engineer in both Iowa and Nebraska. Prior to coming to KJWW, Scott worked for Frank Pulley Associates as a mechanical engineer, then went to Woodburn & O'Neil Architects doing both mechanical and electrical design. Scott was with Frank Pulley when KJWW opened discussions to purchase Frank Pulley Associates, but that never went any farther than just talks. However, KJWW and Scott connected directly later to start a new office as a grassroots effort. It was just him at first working to get the business off the ground in Des Moines. He spent most of his first few months attending meetings with owners and architects to secure work while utilizing the engineering resources available in their Rock Island, IL headquarters to execute it. He also did a lot of construction administration at Iowa State University, saving several Rock Island engineers from the long drive.

The first office was located at 700 Second Avenue, Des Moines, IA in the lower level of the old Iowa Association of School Boards Building. Scott knew that the first office needed to be located near the heart of the city to solidify their presence in the community. This location was also attractive due to the proximity of the local Master Builders of Iowa plan room and RDG Planning & Design, their most significant client at the time. The beginning was very humbling with Scott using an old kitchen table for his desk and a hand-me-down chair from the Rock Island office that no one else wanted. One memory that he recalls from the first office was the combustion turbine plant located across the street. He said they always knew when it was getting warm out in the spring because they could hear and feel the vibration of these units when they kicked on to help support the additional electrical load that downtown required.

Within 10 years, the company had already expanded twice and had outgrown their current space. Management made the decision to purchase and move to their current location at 2882 106th Street in Urbandale, IA. The new office was more than 17,000 square feet with plenty of room for additional employees. Scott Bowman became principal of the company in 2002. Andy Thielen joined the company in 1997 and served as supervisor of the electrical department prior to his promotion to branch manager in 2009. He is a 1995 graduate of Iowa State University and earned his professional engineering degree in Iowa in 2001.

The Des Moines office still resides at the Urbandale location and currently employs 39 design professionals. Scott Bowman retired earlier this year after 25 years of service with KJWW and now owns Integrated Design + Energy Advisors, LLC.

KJWW Des Moines has witnessed and participated in several large HVAC technology shifts throughout its 25-year history. The following are some examples of projects in which they were on the leading edge of these new, innovative designs over the years:

Integrated Design. One the very first projects that Scott Bowman was tasked with designing early in his career at KJWW was Drake University's Knapp Center. This facility is a 7,152-seat multi-purpose arena on the campus of Drake University in Des Moines, IA. It was built in 1992, and is the home of the Drake Bulldogs. This was a very large project for the young KJWW Des Moines office that stretched his local

resources very thin. Scott said that it was a very stressful project but he knew that it had to be designed and executed out of Des Moines in order to give them the credibility they needed to grow in the market.

This project was one of the first integrated design projects in Des Moines. The conventional definition of integrated design is that the project team members from all disciplines work together early and often throughout the project design process to minimize coordination issues and ensure the project moves forward as smoothly as possible. Paul Morris was Drake's Director of Facilities at the time. The project team consisted of RDG as the architect, Taylor Ball as the general contractor, Waldinger as the mechanical and sheet metal contractor, and Baker Electric as the electrical contractor.



One example of how the integrated design approach was successful on the Knapp Center project was with regards to the AHU supply fan motor. Since this was prior to pre-fabricated custom air handling units, all of the cabinet panels had to be constructed by a third party company and sent to the jobsite. Through the upfront coordination process, the team identified that the supply fan motor was too large to fit into the normal access doors. Waldinger was able to get some of the panels changed prior to arriving at the jobsite preventing any issues in the field. The standard project format that had been more commonly utilized at the time probably wouldn't have caught this issue until the supply fan assembly arrived at the jobsite and caused a great deal of pain for the project team.

Pond-Coupled Geothermal. Another good example of innovative design is the Des Moines Area Community College (DMACC) West Campus pond-coupled geothermal project. Dave Inghram from the Des Moines office led the design of this project. He designed and executed a full geothermal heat pump system utilizing a 4-acre pond near the campus to serve the 56,000 square foot facility. The pond provides 168 tons of cooling and is capable of providing up to 420 tons for future expansion. This system captures and dissipates heat from the pond which provides an energy efficient and cost-effective means of heating and cooling the facility. Since the pond is used for the heat source and heat rejection of the heat pump system, there are no boilers or cooling towers required. This greatly reduces the maintenance requirements and eliminates the need for chemical treatment associated with boilers and cooling towers.

This project also utilized an underfloor air distribution system, demand control ventilation, daylight harvesting, and energy modeling to increase the overall performance of the building. This project was so innovative for its time that it earned First Place 2004 International Technology Award and was a featured article in the May 2004 ASHRAE Journal.

Commissioning. The next shift in technology was seen in the mid-90's. The Des Moines office began providing commissioning services before this concept started picking up steam to where it is today. One of the first commissioning projects took place at the Principal Financial Group "Z" Building. This was the first project where the KJWW Des Moines office performed commissioning services. They were not involved in the design of the project but subcontracted by Waldinger to perform the commissioning

portion of their bid package per the plans and specifications. It was a complex project with many complex systems.

One issue that this process worked though was with regards to the design of the smoke control system. Waldinger followed the specifications word for word but when the Fire Marshal did their inspection for occupancy, they would not give accept it. The Fire Marshal felt that the code required a smoke exhaust system which is very different and more costly than the smoke control system designed by the engineers. The commissioning that KJWW did on the project actually helped mitigate the situation and remove Waldinger's liability since KJWW was able to prove that it was indeed installed correctly and met what was set forth in the plans and specifications. This example shows why commissioning can be such an important part of a project today. KJWW now has 8 individuals on staff that are part of the commissioning group that work on various projects throughout the country.



LEED. Sustainability has always been at the forefront of KJWW's work over the years. Therefore, it only made sense for them to embrace LEED's third-party verification rating system when it first came out in the late-90's. Performance on these projects focus on human and environmental health in five key areas including sustainable site development, water savings, energy efficiency, materials selection, and indoor environmental quality.

One of KJWW's most prominent LEED projects was the Wellmark headquarters located in Downtown Des Moines. The owner wanted to reach the highest of LEED achievements, Platinum. In order to do so, KJWW had to come up with innovative ways to earn the points necessary to reach this lofty achievement.

One groundbreaking design element that the project team used to achieve water efficiency points was the rainwater capture system. The design consists of collecting rainwater from the roof and other sources where it then accumulates into two large custom designed underground cisterns. From there, the water is pumped through a water treatment process (strainers, filters, UV, ozone, etc.) where it is eventually used for brown water applications like flushing toilets and irrigation. This system ended up earning the project seven total points including one Innovation in Design credit. It was estimated that

the owner will save 9,400 gallons of water per working day (250 working days per year). This project won many awards for its design including ENR's 2011 Best Project for the Midwest.

Conclusion. As you can see, KJWW Des Moines has been on the front end of many of the major shifts in technology over the past 25 years. Others not listed above include replacement of inlet guide vanes with variable frequency drives, pneumatic controls with DDC controls, and field erected air handling units with packaged custom air handling units. It is their intent to continue this trend as they work towards their next 25 years of service in the Des Moines market.

***SPECIAL THANKS GOES OUT TO SCOTT BOWMAN, DAVE INGRAM, RHONDA BISOM, AND ROB YOUNG FOR THEIR HELP IN PUTTING TOGETHER THIS PROJECT.**

ASHRAE's Attic & Antiques



Have you ever encountered pieces of HVAC history while working on remodel projects? Are you fascinated by the origins of modern HVAC equipment? If so, help us to launch our new section, ASHRAE's Attic & Antiques. We're trying to populate our newsletter and [website](#) with fascinating old photos and historical anecdotes, preferably with a local bent. Send your photos and stories to Tim Conrad at tconrad@mechsales.com

The HVAC&R Industry

AHR Expo Innovation Awards Donates \$16,400 to Chicago Charity

WESTPORT, Conn.—Metropolitan Family Services (MFS), an organization that provides a variety of social services for Chicago-area families in need, will receive a charitable donation from the 2015 AHR Expo Innovation Awards. A check for \$16,400, generated by Innovation Awards entry fees, will be presented to MFS at the Innovation Awards presentation, which will be held at the 2015 AHR Expo on Tuesday, Jan. 27. The organization will use the donation to buy a boiler and HVAC&R components for its Southwest Center facility, which serves nearly 7,000 children and families annually. "Every year, we select a local not-for-profit organization from the area where the Show is being held to receive the entry fees from the AHR Expo Innovation Awards," said Clay Stevens, president of International Exposition Company (IEC), which produces and manages AHR Expo. "It is especially meaningful when this donation can be used for such a worthwhile purpose as improving the lives of families in need by using the HVAC technology seen at the Show."

The Common Cold Prefers Cold Temperatures

NEW HAVEN, Conn.—The common cold virus can reproduce itself more efficiently in the cooler temperatures found inside the nose than at core body temperature, according to a new Yale University study. This finding may confirm the popular yet contested notion that people are more likely to catch a cold in cool-weather conditions. Researchers have long known that the most frequent cause of the common cold, the rhinovirus, replicates more readily in the slightly cooler environment of the nasal cavity than in the warmer lungs. However, the focus of prior studies has been on how body temperature influenced the virus as opposed to the immune system, said the study's lead author, Akiko Iwasaki. The researchers tested rhinoviruses at a nose temperature of 33°C (91°F), and a normal body temperature of 37°C (99°F). They found that the immune system became weaker in a cold nose and gave the virus more opportunities to replicate. Two important tools—a set of biological sensors that detect infection and chemicals that coordinate the immune response—were less effective at cooler temperatures. The research is published in *Proceedings of the National Academy of Sciences*.



Join ASHRAE at its **Winter Conference** in
Chicago, Jan. 24–28 **and AHR Expo** Jan. 26–28

- Gain personal and career excellence through peer contact, exchange of technical information and continuing education.
- 20 high-quality, authoritative Professional Development Seminars and Short Courses presented by the ASHRAE Learning Institute.
- Visit the World's Largest HVAC&R Marketplace. The AHR Expo brings the entire industry together to see the latest products and technology, learn about innovations and trends that are shaping the future, and build new relationships.
- With the Conference being held in the big city of Chicago, the Technical Program itself is going big with a focus on big projects, the big picture and big impacts. Eight tracks are featured.
- Gain valued credentials held by top engineers via ASHRAE's six Certification programs.
- See the technology you help create first-hand via a Technical Tour.

Special first time attendee
registration fee available!
Advanced registration,
offering the lowest rates,
ends Nov. 3.

**REGISTER
EARLY!**



www.ashrae.org/chicago | www.ahrexpo.com

2014-2015 Meeting Dates

| MONTH | GENERAL MEETING | |
|-----------|---|------------|
| | Topic | Date |
| July | - | - |
| August | - | - |
| September | Fall Frolic Golf Outing – Echo Valley Golf Club | 11 |
| October | Student Night / Membership Promotion | 22 |
| November | Research Promotion | 19 |
| December | Past Presidents / History (joint w/ CSI and SMCI) | 15 (Lunch) |
| January | Membership Promotion | 13 |
| February | Resource Promotion | 16 (Lunch) |
| March | Refrigeration | 16 |
| April | ASHRAE Webcast | 23 |
| May | Spring Fling Golf Outing | ? |

| | | |
|----------------|--|------------|
| Winter Meeting | 2015 Winter Conference – Chicago, IL | Jan 24-28 |
| CRC | Region VI CRC – Bettendorf, IA | April 30-2 |
| Summer Meeting | 2015 Annual Conference – Atlanta, GA | Jun 27-1 |

ASHRAE Technology Awards Program

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 iyhab.hasan@vatterott.edu. Submissions for the chapter level will be due by March 16th, 2015.

For more information on the Technology Awards Program visit:

<https://www.ashrae.org/technologyawards>

Your Assistance is Requested!!!

We are compiling data regarding the demand for students interested in Mechanical Engineering. Are you an ME or Con E with ME Emphasis graduate or do you have a co-worker that is? If you or someone you know are please email Mike Wolfe at wolfem@TheBakerGroup.com with your contact information and the field your degree is in.

ASHRAE 2014-2015 Research Promotion Fund

| ASHRAE Iowa Research Investors 2014-2015 | | |
|--|--------------------------------------|---|
| Individual Investors HR = Honor Roll participants \$100 min | 35.6% OF GOAL \$11,592.00 -TO GO! | Company Investors HR = Honor Roll participants \$150 min |
| Mr. Andrew L Pospisal (HR) | \$14,000 | Systems Management & Balancing Inc (HR) |
| Mr. Charles S Heldenbrand (HR) | \$13,500 | Products Incorporated (HR) |
| Mr. Daniel L Ponxs (HR) | \$13,000 | Vest-Feld-Hazer & Associates (HR) |
| Mr. H Fred Miller (HR) | \$12,500 | Control Installations of Iowa Inc (HR) |
| Mr. James A Lee (HR) | \$12,000 | C H McGuiness Co Inc (HR) |
| Mr. James Edward Hall (HR) | \$11,500 | Iowa ASHRAE Chapter (HR) |
| Mr. Jason Kems (HR) | \$11,000 | |
| Mr. Jeff Lindell (HR) | \$10,500 | |
| Mr. Jeff Lindell, PE (HR) | \$10,000 | |
| Mr. Justin J Barrett, PE (HR) | \$9,500 | |
| Mr. Kelly G Crow (HR) | \$9,000 | |
| Mr. Kit C Cartwright (HR) | \$8,500 | |
| Mr. Luke Miller (HR) | \$8,000 | |
| Mr. Mark G Conway (HR) | \$7,500 | |
| Mr. Matt Gumm, PE (HR) | \$7,000 | |
| Mr. Paul K Melton (HR) | \$6,500 | |
| Mr. Peter J Ernzen (HR) | \$6,000 | |
| Mr. Peter J Ernzen (HR) | \$5,500 | |
| Mr. Rodney Heston (HR) | \$5,000 | |
| Mr. Ronald Engelhardt (HR) | \$4,500 | |
| Mr. Vince Sanders (HR) | \$4,000 | |
| | \$3,500 | |
| | \$3,000 | |
| | \$2,500 | |
| | \$2,000 | |
| | \$1,500 | |
| | \$1,000 | |
| | \$500 | |
| | \$0 | |

Your contribution puts us closer to achieving our goal. Please send what you can today!

COMPLETE THE INFORMATION BELOW AND RETURN IT WITH YOUR INVESTMENT

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