



"A Bad Day of Fishing is Better Than a Good Day in the Office."

The SetPoint



May 2015

ASHRAE Sustainability Project Update

In 2013-2014 the Wichita Chapter took part in a sustainability/community project to

improve comfort issues at the Church of the Resurrection located in Bel Aire, KS. For that project the Chapter oversaw the installation of a supplemental VRF (Variable Refrigerant System) to the Sanctuary. The congregation had experienced comfort issues during warmer

months in the Sanctuary due to issues with the existing ground source heat pump system losing capacity. Calculations showed an approximate 10 ton shortfall at peak cooling demand



More inside!

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That's Ancient History

A new section of the website is online. It focuses on the history of local businesses associated with ASHRAE. The Waldinger Company is published in this month's newsletter.

Please submit a brief narrative documenting the history of your company to salman@mei-ks.com. Please include any photos relevant to your company's history.

In addition, please send Melanie.dickey@pec1.com suggestions for features of retired members of ASHRAE.

Sean Miller

Blast from the Past...

This year we plan to feature a past president in each newsletter. Sean Miller has worked at Blosser-Smith Engineering, MKEC Engineering, and is currently employed by Knipp Equipment.

1. Q: How did being the Chapter President impact your professional life?

A: Being President of an ASHRAE Chapter puts you out in front of everyone in the local HVACR industry. With that exposure, it is inevitable that you meet and get to know more people in the local industry as well as key people in other local organizations.

2. Q: What is your current involvement in Chapter activities?

A: I am currently the Student Activities Chair and have spent the last two years in that role with the main focus being the development of Student Branch Chapters at WSU and

3. Q: What was the most challenging aspect of being the Chapter President?

A: Being involved and up-to-speed on what each of the chairs were doing.

President 2012-2013

Dane Pletcher

Blast from the Past...

This year we plan to feature a past president in each newsletter. Dane Pletcher has worked in Wichita since graduation from K-State. He spent six years with PEC before switching to sales with JM O'Connor. He is now working at Building Controls and Services.

1. Q: How did being Chapter President impact your professional life?

A: It really opened my eyes to how strong our chapter is. It also allowed me to start friendships with a lot of those folks.

2. Q: What did you remember the most from your experience being the Chapter President?

A: Realizing how big of a deal ASHRAE really is.

3. Q: What is your advice to future/present ASHRAE Presidents and Officers?

A: Work as a team and rely on each other's strengths. When you do that, the Chapter succeeds. It is impossible for just one person to do it all.

President 2013-2014

cont.

in the Sanctuary. The new 12 ton VRF System consisted of one outdoor unit servicing two 6 ton indoor air handlers located on the north and south sides of the Sanctuary above the existing confessional spaces.

Due to acoustical concerns the locations were slightly modified with additional insulation installed along with acoustical silencers. The units now operate very quietly and provide not only the supplemental cooling needed but much needed airflow in the front part of the Sanctuary where no airflow was ever present due to the original design. While the system increased cooling capacity it also offered some energy saving opportunities. Normally the Sanctuary was used in the morning during the week for an early service. During this time the large 50 ton system was always used to cool or heat the space. With the supplemental system in place the existing larger system could be turned off and the new smaller system used for daily services and maintain comfort due to the smaller crowds and early times. The existing system also used backup electric heat when needed. Scheduling the heat in the supplemental system in lieu of the electric heat on the larger system also yields savings. The supplemental system is also now used for many smaller activities in the space such as choir practice instead of running the larger constant volume units.

In the past 12 months the facility has seen an almost 30% drop in weather normalized cooling/heating related consumption with total degree days being down only 2.2%. Comfort has increased as well making this project a great success. The church continues to learn to use the new system as they need to in order to not only increase the comfort but reduce overall energy spend. Knipp Energy Services is also continuing to aid the church in monitoring their energy usage and making further recommendations for improvements.

The success of this project is due to the many ASHRAE Member companies who donated and volunteered their time and money to make it happen. Please see the following page for those generous companies.

Science Olympiad

The Kansas Science Olympiad State Tournament was held on Saturday, April 4, 2015, at WSU. The tournament brings over 1,000 middle and high school students to Wichita for a day of competitive science and engineering. The tournament features 60 events that tests students on their knowledge of physical science, biology, chemistry, technology, and engineering.

The Wichita Chapter of ASHRAE sponsored and provided volunteers for two events. The events were the "Scrambler" and "It's About Time" Challenge. We had seven members volunteer their time to assist with these challenges.

Overall the day was a huge success. With participation in the Scrambler event, the Wichita Chapter was able to apply for the 2015 ASHRAE K-12 STEM Award. We also are able to record PAOE points.

Thanks to Sean Miller for organizing Wichita Chapter's participation in this event every year.

Other volunteers for this year's Olympiad were Scott Branscum, Brandon Bulla, Dusty Ewing, Dane Pletcher, Nancy Mills, and Lenny Boury.

Church of the Resurrection



The engineering for HVAC Improvements on the Church of the Resurrection was donated by Dwayne Vaughn, PE and Phil Voegeli, PE of Integrated Consulting Engineers, Inc. Audra Relph, Parishioner also assisted with design.



MECHANICAL INC.

Rick White, Jerry Curtin, and 3R Mechanical donated all mechanical construction services.



Architectural concepts were developed and donated by Mike Decker of SPT Architecture.



Tom Zoglmann, Curtis Mitchell, and Shelley Electric donated all electrical construction services.



All variable refrigerant system equipment was donated by John Knipp of Knipp Equipment. Sean Miller, Ed Lang, Joe Reintjes, Tim Berends, and Chad Marlow also provided assistance with the design and selection of equipment.



All refrigerant piping has been donated by Bruce Bishop and the O'Connor Company.



All diffusers and dampers were donated by Heaven Engineering (Mark O'Donnell and Mike Ternes.)



The ASHRAE-Wichita Chapter donated \$1,000 to the church for purchase of materials to build new wall enclosures, outdoor equipment pads, and fence that will be installed by Parishioners.



THE WALDINGER CORPORATION



Harry Waldinger, a 30-year-old Austrian tinsmith, founded our company as Capital City Tin Shop in 1906. He immigrated to the United States four years before that, having to leave his wife and young children behind. By doing furnace repairs and spouting work, he soon saved enough money to bring his family to the United States.

The business continued as a small family operation, changing its name to Capital City Sheet Metal in 1928. When Harry Waldinger died in 1935 at age 59, the company had four employees, including his sons Mose and Joe Waldinger. Mose handled bidding, while his older brother Joe performed and managed the work.



In 1940, the young Waldinger brothers made a bold decision that proved to be a turning point in the company's history. Against the advice of their banker and bonding agent, they formed a partnership to bid on a job ten times larger than anything they had done before.

The new partnership, Iowa Sheet Metal Contractors, was the successful bidder on the \$150,000 barracks project located at Fort Leonard Wood, Missouri. They completed seventeen similar jobs in the Midwest over the next five years, and Iowa Sheet Metal Contractors soon became one of the largest sheet metal companies in the United States.



In 1948, our company was the successful bidder on the Mutual Benefit Life building in Omaha, Nebraska. In order to get the job done efficiently, Iowa Sheet Metal Contractors purchased Skilman Sheet Metal and employed its 25 skilled workers. This new branch was named Nebraska Sheet Metal Contractors.



In 1959, the company moved its operations to our current headquarters on Bell Avenue in Des Moines, and two years later, expanded its capabilities by adding a piping division. Then in 1969, to honor its roots, the company changed its name to The Waldinger Corporation.

Other milestones include: expansion into other market areas in Wichita, Tampa and Atlanta in 1987; Kansas City in 1990; Orlando in 1997; Springdale, Arkansas and Ft. Myers in 1998; St. Louis in 1999; Ft. Lauderdale in 2001; and St. Joseph in 2002; as well as adding an electrical division in 2001.

We also have operations in Cedar Rapids (2009)... and we're continuing to grow and expand into new markets. Our project list covers 42 states and includes six nuclear power plants, the Houston Astrodome, the Louisiana Superdome, and the Vehicle Assembly Building at Cape Kennedy, to name a few.

Today we're a full-service mechanical, electrical and sheet metal contractor. We design, fabricate, install, maintain and repair commercial, institutional and industrial HVAC, refrigeration, electrical, plumbing and piping systems. Employing over 1,000 professionals, our annual revenues are around \$200 million.



WSU 2015 Engineering Open House

Our Chapter was a Platinum level sponsor of this year's WSU Engineering Open House on April 8th. It is the second straight year we have been able to do not only sponsor the event but to also provide a judge the senior design projects on display. Sean Miller was on hand for the event and chose the WiseSocket project by students Nicolos Callo & Suraen Jothiratnam for the ASHRAE Innovation Award which was a cash Award given to the students. The award was presented on April 9th at a ceremony and dinner held at the Hyatt Regency. Richard Bowman was on hand as the ASHRAE representative and presented the award to the students. If you would like to learn more about the WiseSocket project please visit www.wisesocket.com.

Wichita ASHRAE Sponsors Senior Design Team at WSU

The ASHRAE-Wichita Chapter sponsored a Mechanical Engineering Senior Design Team of 5 students during the Spring Semester 2015 for their Capstone course. Sponsors were Dusty Ewing and Sean Miller. Other Chapter members aided the students.

The group used the ASHRAE Design Competition as their project. For this they were to perform heating and cooling loads for a Junior College building modeled after the ASHRAE HQ that was to be located in Doha, Qatar. The students also designed a VAV system for the building and wrote a report detailing their process, findings, solutions and final recommendations.

All members of the group joined ASHRAE as student members during the process and three have found employment in the local HVAC industry. Team members included Lance Loganbill, Robert VanGoosewilligan, Phillip Landrum, Anthony Bonavia, and Joseph Bolton. The group entered their project in the ASHRAE Design Competition and we will soon know how they fared. It is our first "official" student group submittal to the Design Competition so wish them good luck!

the small print

Please contact Melanie Dickey at Melanie.dickey@pec1.com for announcements or other items to be included in future newsletters.

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