



# The SETPOINT

<https://ashrae-wichita.org>

Spring 2023

*What topics would you like to hear about at our monthly meetings?*

Email Richard Bowman at [RB@RichardBowman.us](mailto:RB@RichardBowman.us)

*Do you have an article for our newsletter?*

Email Joy Carmichael at [joyamartin76@gmail.com](mailto:joyamartin76@gmail.com)

## 2022-23 Wichita Board of Governors

**President:** Joey Johnson

**Vice President:** Andy Dunbar

**Treasurer:** Doug Knipp

**Secretary:** Open

**At Large:** Tim Berends

**At Large:** Richard Bowman

**At Large:** Dahl Carmichael

## Letter from the President

Finally, some warmer weather! Now if only we could get some rain... Speaking of warmer weather, we've got a heat-buster of a program coming up Wednesday April 19<sup>th</sup>. The topic is 'chilled beams' which I am sure excited to learn more about. I'm sure many in our chapter are as well. I've never seen chilled beams implemented, but if ASHRAE headquarters is using them in swampy ATLANTA, surely, we can make use of them here in Wichita? Come to the program next week and we'll find out!

Rounding out the ASHRAE year (ending July 1<sup>st</sup>) Richard Bowman has also lined up a presentation about "The Future of Refrigerants" which we are all going to need to get familiar with at some point. Jan 1<sup>st</sup>, 2024, kicks off the rapid 'phase-in' process for new A2L refrigerants, and we'd all be wise to learn up about the do's and don'ts of systems using these new refrigerants. Get your ticket(s) NOW for the meeting planned for Monday May 15<sup>th</sup>.

As for next year's business, the board is seeking nominations for our upcoming appointment of BOG members for 2023-2024. Andy Dunbar is slated to be the Chapter President, any nominations you might have, please send those his way. The board will be voting on a ballot of nominees at our April 24<sup>th</sup> BOG meeting. Self-nominations are welcome and even encouraged. What an excellent way to plug yourself into the local HVAC industry buzz and gain invaluable leadership experience while you are at it!

Regards,

Joey Johnson, 2022-2023 Chapter President  
[jdjohnson@msi-group.com](mailto:jdjohnson@msi-group.com)

## 2022-23 Wichita Committee Chairs

**CTTC (Program):** Richard  
Bowman

**Membership:** Andy Dunbar

**Research and Promotion:** Open

**Student Affairs:** Yang-Seon Kim

**Government Affairs:** Open

**Sustainability:** Dwayne Wall

**Electronic Communication:**  
Chris Qualls

**Newsletter:** Joy Carmichael

**Young Engineers of ASHRAE  
(YEA):** Zach Batman

**Diversity in ASHRAE:** Open

**Refrigeration:** Brian Stuart

**Website:** Chris Qualls

## Upcoming Events

*All meetings listed in **bold print** are held from 11:30am-1:00pm at the Candle Club, 6135 E. 13<sup>th</sup> (north end of the shopping center), register on the ASHRAE Wichita website.*

April 19<sup>th</sup>: **Designing Cost Effective Chilled Beams** by Distinguished Lecturer Matt Pemberton.

April 25<sup>th</sup>: Nominations due for Wichita ASHRAE Chapter Leadership. See the email from Wichita ASHRAE on April 7<sup>th</sup>. Great leadership training offered by ASHRAE to those who want to take on a role for the Chapter.

May 15<sup>th</sup>: **Future of Refrigerants** by Distinguished Lecturer Stephan Kujak. Note that this is on a Monday, instead of Wednesday.

June 2<sup>nd</sup>: Trap Shoot at Michael Murphy & Sons in Augusta, noon-4:00 pm

June 15<sup>th</sup>: Get your RP donations in or Dahl will be calling you!

August 3<sup>rd</sup>-5<sup>th</sup>: Region 9 Annual Chapters Regional Conference (CRC) in Denver Colorado.

Sept 29<sup>th</sup>: ASHRAE Annual Golf Tournament at Hidden Lakes in Derby

## New Members

Welcome to new members (and maybe some who renewed?)

Tim Rittenhouse Hughes

Trane Company

Mike McCallop Jr.

Central Consolidated, Inc

Melissa Briscoe

Kansas Spine and Specialty Hospital

Caleb Walker

Building Controls and Services

Nathan Sutton

Mechanical Sales Midwest Inc

John Breidenthal

Professional Engineering Consultants

Cliff Pray

P1 Group

Brian Henry

Basis Consulting Engineers

## Member Spotlight

I am going to start featuring a member in each newsletter that has had an impact on the Wichita ASHRAE chapter. This time I will be featuring 50-year and Life member **Richard Bowman**.

Richard Bowman grew up in Wichita, graduating from Wichita HS Southeast, then going on to WSU to get his Bachelor's and later his MBA degrees.

He immediately went to work for his father at J.H. Bowman Company, Inc, starting as a draftsman in 1966, and eventually working his way up to President, CEO and General Manager in 1986. He later worked for The Waldinger Corporation as a Project Manager and for Western Engineering as a Sales Manager. Since 2002 he has been the owner of Mechanical Concepts L.L.C., providing design and application of commercial HVAC and Plumbing Design.

Richard joined ASHRAE on August 1, 1972, becoming a Full Member in 1986, and a Life Member in 2014. Richard said he got involved in ASHRAE because "Eric Juneman recruited me". He held many offices in the Wichita Chapter including President in 1977-1978 and was awarded the President Award of Excellence in 1978. He continues to be very active in the Wichita chapter, serving on the Board of Governors 2008-2022, and taking on other chapter offices and chairs throughout the years. Currently he is the Wichita Chapter CTTC (Program).

During those years he also became involved in Region IX, holding several positions for the Chapters Regional Conferences (CRC) and finally serving as the CRC Chair for Wichita in 1988. He served as officer or chair for Region IX in various positions from 2009-2018.



Richard moved up in the society and region from 2011 to 2020, serving on the Society Board of Directors as Director and Regional Chair and on the Region IX Nominating Committee. He has served on the Technical Committee for Radiant Heating and Cooling continuously since 2015. Richard has received the Chapter Service Award and Regional Award of Merit in 2006 and the Distinguished Service Award in 2013 from ASHRAE.

Outside of ASHRAE, he served as the President of the Wichita Air Conditioning Contractors in 1985, Wichita Area Builders HVAC Council in 1987 and Wichita Council of Engineering Societies in 2003. He has also been very involved in his church, St James Episcopal.

Richard and his wife Peg recently celebrated their 50<sup>th</sup> wedding anniversary. They have two adult daughters and several young grandchildren who they love to visit. Richard sings in the Wichita Symphony Orchestra Chorus, loves playing golf and competition duplicate bridge and golf.

Richard has a passion for the HVAC industry that is obvious to all who encounter him. He understands the workings of ASHRAE, has been a friend and mentor to numerous members and is very helpful to those serving on the local Board of Directors. Richard's tall stature and booming voice make him unforgettable.

Congratulations and thanks to Richard on his 50 years of service to ASHRAE!

What ASHRAE member should I feature in the next newsletter?

## RP Report

Ah Yes. Spring is in the air. The sun is shining. The birds are singing. Flowers are blooming. It's that time of year when all our thoughts turn to ..... ASHRAE RP! That's right, friends, June 15<sup>th</sup> is closing in fast. Our Goal is \$21,500. We missed it by a small bit last year. But there's no reason we can't get back on track.

Please consider your contribution today. I'll be making my usual calls early in June this year.

Remember that Honor Roll Coins have gone up. \$150 for individuals and \$500 for Businesses.

Here's where we're at so far:

Gift Date	FullName	Member	ResAmo	EduAmo	GenAmo	YeaAmo	FdnAmo	EarAmo	SchAmo
11/30/2022	Wichita ASHRAE Chapter	\$ 4,000	\$ 4,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11/10/2022	Mr Richard J Bowman	\$ 501	\$ -	\$ -	\$ -	\$ -	\$ 501	\$ -	\$ -
11/14/2022	Trane Wichita	\$ 500	\$ 500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11/30/2022	Mechanical Systems Inc. - Wichita	\$ 500	\$ -	\$ -	\$ -	\$ -	\$ 500	\$ -	\$ -
10/11/2022	Joseph Johnson	\$ 491	\$ 491	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
03/23/2023	Mr Dale E Maltbie	\$ 250	\$ 250	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11/14/2022	Mr Timothy Scott Berends	\$ 231	\$ 231	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11/15/2022	Mr Dahl R Carmichael	\$ 200	\$ -	\$ -	\$ -	\$ -	\$ 100	\$ -	\$ 100
11/17/2022	Mr Doug J Knipp	\$ 151	\$ -	\$ -	\$ -	\$ -	\$ 151	\$ -	\$ -
11/23/2022	Mr Joseph K Samia	\$ 150	\$ 150	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
03/24/2023	Mr Tom E Bookhout	\$ 100	\$ 100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
09/22/2022	BASIS Consulting Engineers	\$ 80	\$ 80	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		\$ 7,154	\$ 5,802	\$ -	\$ -	\$ -	\$ 1,252	\$ -	\$ 100
Goal		\$ 21,500							\$ 200
Short		\$ 14,346							\$ 100
Percent		33%							50%

Thanks All!

Dahl Carmichael  
Region IX RVC-RP

## Company Spotlight

I am going to start a new feature in each newsletter, featuring a company that has had an impact on the Wichita ASHRAE chapter. This time I am going to go for the "low hanging fruit" and feature the company that I know fairly well for over 37 years; Professional Engineering Consultants.

Professional Engineering Consultants has been a consistent sponsor of ASHRAE and an RP Major Donor, every year for several decades. At least 13 Wichita Chapter Presidents have been from PEC.

PEC was founded in 1965 with the merger of three engineering firms, including Hysom and Peugh, a local mechanical consulting engineering company. Their first office was at Laura and Waterman, which was the center of the universe for most of the



Wichita engineering and architectural firms at that time. They shared this building with City Blue Print, the only blueprinting company in Wichita at the time.

Starting with 30 employees, PEC grew quickly. They soon added civil engineering, surveying and construction testing to their list of services and moved to 1440 E English.



At this location in 1981, PEC became the first Wichita engineering firm to purchase a CAD system, a CalComp IsaCad system, consisting of two workstations, digitizers, a server and a pen plotter. CalComp was chosen to work closely with PEC's primary client, the Boeing Aircraft Company. IntelliCad, another mainstream platform being used by Pizza Hut, was also considered. Autodesk, now the industry leader, was still in its infancy. By 1990 PEC had six CalComp stations. The CAD department worked 24 hours a day in 3 shifts to maximize this

capital expenditure. Crashes were frequent and even basic functions were often painfully slow. Dahl Carmichael (former ASHRAE president) worked the 2<sup>nd</sup> shift, from 4 pm to midnight, and often stayed until the first shift kicked him out in the morning. Around 1994, PEC upgraded to two 1 GB file servers each one slightly larger than a file cabinet. In 1991, PEC also started using AutoCAD in a very limited capacity, on a Macintosh / Unix system. AutoCAD was eventually adopted as PEC's sole platform for the mechanical division, late in the 1990's. Today, PEC Mechanical performs nearly 100% model-based design utilizing Autodesk Revit, Navis, Bluebeam and other related platforms.

In 1985, PEC had grown to 100 employees and in 1989 moved to a renovated downtown building at 303 S Topeka, which had originally been a Ford dealership, with a big fishpond on the corner and a parking garage on the second floor. As it celebrated its 25-year anniversary, PEC grew to 150 employees in 1990.



In 1991, Dale Maltbie, former ASHRAE president, became the president of PEC. Also in 1991, Don Norton, former ASHRAE president, won the National ASHRAE Alternative and Renewable Energy Use Technology Award for Florence Wilson Elementary School.

Between 1997 and 2004, PEC opened offices in Topeka, Lawrence, Pittsburg and Tulsa Oklahoma and acquired Moody Engineering. With Moody Engineering, two more past ASHRAE presidents, John Moody and John Martin joined PEC.

In 2009, PEC opened the Oklahoma City office and in 2013, an office in Ft Collins, Colorado. In 2019 an office was opened in Kansas City, Missouri. Presently PEC has over 350 employees in four states. The Mechanical Division of the Wichita office has 26 engineers and designers, most of whom are ASHRAE members.

Several PEC “alumni” have gone on to open their own engineering firms, including John Moody of Moody Engineering, Dwyane Vaughn of Integrated Consulting Engineers, Greg Quigley of Basis Consulting Engineering and Dane Pletcher of Innovative Groups (all past ASHRAE presidents). Kelly Cramm, well known for her work in the Kansas City ASHRAE Chapter, a columnist for the ASHRAE Journal, and currently sitting on the Board of Directors of ASHRAE, started as an intern at PEC.

What Wichita company should I feature in the next newsletter? Please give me suggestions!

Joy Carmichael

Joyamartin76@gmail.com



Past ASHRAE Presidents Dale Maltbie, Robert Peugh and Don Norton



Four ASHRAE past presidents and PEC alumni testing out the plumbin’ at the Annual Tacky Sweater Design Crawl