



November 2024 Volume 44 Issue 3

Chapters are not authorized to speak for the Society

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AMERICAN SOCIETY OF
PLUMBING ENGINEERS
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OPEN

November CHAPTER MEETING

Date: TUESDAY, November 19, 2024

NEW Location: Countryside YMCA
1699 Deerfield Rd
Lebanon, OH 45036
Tel 513.932.1424

Cost: \$20 online

Schedule: 11:30PM-1:30PM

Plastic Domestic Water Piping

Reservations: Make a reservation and pay for the meeting
through the Chapter Website or email Bill Berger
at bill.berger@kohler.com or John Fox at
jfox@mwspec.com before noon on MONDAY,
November 18th, so that a head count can be
established. As always, guests are welcome.

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LOOKING AHEAD

Chapter Meetings to be held at Countryside YMCA,
Lebanon, OH unless noted otherwise.

December 17, 2024 TBA

Presidential prose...



THANK YOU to all the Southwest Ohio members that attended the Convention & Expo! I saw no less than a dozen of our members at the Welcome Party, Expo Floor, and Technical Sessions. Society also elected a new Board of Directors, including our Region 2 Director running unopposed and keeping his position.

Additionally, I would like to welcome a new member to our own Southwest Ohio Chapter Board! We have Izsak Rapp, with Motz Engineering, joining as our ASPE Young Professionals Liaison. Izsak will serve to promote ASPE to the under 35 crowd and plan some social events for the chapter. Please join me in welcoming Izsak aboard!



Our next Chapter meeting will cover Plastic Domestic Water Piping, as presented by the Plastic Pipe Institute. And as a reminder we WILL be having a December meeting this year; I know we have not typically done so.

As always we are open to programming requests, please reach out to a Board

member or submit on the website YOUR ideas for a technical presentation.

The Board is exploring a golf outing of our own. Potentially to be hosted in September 2025, let Andrew know at andrew.hemmelgarn@kzf.com if that piques your interest. Andrew is not a golfer and is trying to learn what it takes to host a successful outing.

Upcoming Events:

Next Chapter meeting – November 19, 2024
December Meeting – December 17, 2024

Thanks for being here, we like having you.

– **Andrew Hemmelgarn**
President



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Technically Speaking...

The Southwestern Ohio Chapter would like to wish a

Happy Birthday

to the following members celebrating their birthday this month:

Regina Condy, Richard Davis, John Fox, Shane Gosney, Derek Koogler and Darrin Thompson

And the Chapter would like to wish a

Happy Anniversary

to the following members commemorating their ASPE anniversary this month:

Richard Davis, David Dexter, Mike Felton, John Fox, Brian Fraley, Michael Graziani, Jim Huesman, Megan O'Brien, Chris Schreel and Jeff Watern



Technically Speaking

Thank you to all who attended our October meeting, what a great feeling to start up our sessions by seeing so many familiar faces—and a couple new ones as well! Circuit Solver Covered one of the staples of the domestic hot water world: thermostatic hot water balancing. The Plastic Pipe Institute will present information on domestic water piping. I hope you join us as they elaborate on best practice design and emerging techniques to stay on par with code updates.

Looking to stay in touch
with the Chapter



www.southwestern-ohio.aspe.org

Kind Regards,

– **Samuel Church**
VP, Technical

Legislative lingo...



I hope everyone had an enjoyable summer. Not much happening in the legislative realm. Looking forward to the ASPE Expo in Columbus next month!

ANSI/AAMI ST108:2023 Water for the Sterile Processing of Medical Devices

One standard that is getting a lot more attention recently is this ST108:2023. This “new” standard revises and replaces TIR 34 that was more of a “best practice” guide but not yet a standard. To oversimplify the requirements, it basically requires pure water to the final rinse and makeup water to steam generation. You won’t find anything in the standard about pure water but it references “critical water” and the quality requirements that have to be met among other things. Best advice is to engage a specialist familiar with the standard to help guide you through case-by-case situations when asked.

– **Jeremy M. Williams PE, LEED AP BD+C**
VP, Technical

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MANUFACTURERS' REPRESENTATIVES OF THE HIGHEST QUALITY PLUMBING AND SPECIALTY BUILDING PRODUCTS

Membership musings...



Folks we've got another treat this month for our spotlight with our newsletter editor, John Fox. If you don't already know it, John also had a big birthday this month so tell him Happy Birthday too.



1. Can you tell us a little about yourself?

I turn 60 years old in a few weeks and I am a proud granddaddy (G-Dad) of 2 grandsons! My

love is golf, rugby and my new job with Midwest Spec! I am a Metallurgical Engineer who got into this business through my ex-wife's family business almost 30 years ago.

2. Where could we find you on a Saturday morning?

Coaching Varsity College Rugby or playing golf with my friends and neighbors at Stone Lick Hills GC.

3. Favorite sport or sport's team and how did that come to be?

My favorite sport is rugby. Where else can you beat the daylight out of an opponent then go drink a beer with the afterwards like he was a long lost brother! My favorite sports team is The Thomas More Varsity Rugby Team. I started the program and

won the D2 National Championship in 2021. We were promoted to D1 status in 2022 but lost in the D1 National Semifinals game that year. We are currently the only D1 Rugby program in the area.



4. What was your first job or dream job?



My first real paying job as an Engineer was in Fayetteville, AR working for Superior Industries manufacturing OEM aluminum wheels for the auto industry. I was the Cast House Metallurgist. My claim to fame was to be on a team to create the first painted aluminum wheel for Ford Motor Company, the Mustang GT 5-spoke wheel, in 1989. I helped with the

redesign so that it could cast properly and pass all of Ford's quality points.

5. What's your best piece of advice for someone who is just getting started in their career?

Make a difference in everything you can accomplish, whether it deals with your job/company, a civic, cultural, sports, or professional organization. Everyone should have a legacy!

I hope you all can make it to our upcoming meeting about CPVC Pipe and Tubing Systems for Plumbing and Mechanical Applications w/ PPI at the Countryside YMCA in Lebanon. Thanks to Circuit Solver for taking care of our last meeting in October.

We are 108 members strong this month with no new members to report on this month, we have 57 Full members, 18 Associate members, 30 Affiliate members, 2 Life members, and 1 Retired member.

Thanks to all those who renewed last month including Erich Knemeyer, Mark Musillo and Alex Trombold. We appreciate your continued support.

Total Membership		
	Nov 23'	Nov 24'
Buffalo-Niagara	40	43
Central Indiana	124	135
Central Ohio	104	120
Cleveland	93	97
Eastern Michigan	107	113
Southern Indiana	34	42
Johnstown	30	30
Kentucky Bluegrass	30	35
Pittsburgh	98	100
Rochester	75	85
Southwestern Ohio	103	108
Toronto	110	101
Western Michigan	91	93
Region 2 Total:	1039	1102

Have a great Thanksgiving,
Brian Selander

**– Brian Selander
VP, Membership**

Through the pipes...



- **2024 ASPE Convention & Expo Expands, Drawing Record Attendance and Exhibitor Interest in the Plumbing Design Industry**

Attendance and Exhibitor Participation Exceed Expectations

Arlington, VA (November 8, 2024) – The 2024 ASPE Convention & Expo, a premier event in the plumbing engineering and design industry, marked a significant increase in both attendance and exhibitor participation, reinforcing its status as an essential gathering for professionals nationwide. Held over six days in Columbus, OH, the event attracted 4116 industry experts, including master plumbers, architects, code officials, design engineers, and manufacturers, solidifying its reputation as a cornerstone for innovation and networking in plumbing design.

The event featured a comprehensive agenda, including a business meeting, an extensive technical education program, and a vibrant exhibit floor that showcased a wider array of companies and products than any other industry event. The show floor, a highlight of the Expo, was bustling with new exhibitors and exclusive product showcases specifically catering to the plumbing engineering and design community.

Billy Smith, F.ASPE, ASPE Executive Director and CEO, praised the Convention's success, stating, "The enthusiasm we witnessed at this year's event confirmed that interest in our industry is at an all-time high. We are excited about the future growth of ASPE and the plumbing design community and look forward to continued collaboration with our members, Affiliates, and partners to maintain a strong voice in the built community."

The networking opportunities kicked off with the highly anticipated Sunday Night Party, presented by NIBCO Inc., held at the Center of Science and Industry (COSI). With a DJ, refreshments, and a lively atmosphere, the gathering provided attendees with an ideal setting to forge connections, exchange ideas, and enjoy the evening's entertainment.

On Monday, October 21, the ASPE Breakfast and Award Ceremony honored Society award recipients and inducted the 2024-2026 ASPE Board of Directors and the 2024 class of the Kenneth G. Wentink College of Fellows.

Later that morning, the Expo officially opened with a ribbon-cutting ceremony, signaling the start of two full days of product exhibitions. Attendees were welcomed by the Innovation Wall and Theater, which highlighted 20 state-of-the-art products and

provided a platform for exhibitors to present their latest innovations through sessions held directly on the show floor. The event also recognized exhibitor achievements with the Best Booth Awards, presented to Prevost and Watts, celebrating creative and impactful displays.

With unprecedented demand, 78% of the 2026 ASPE Convention & Expo exhibit space has already been reserved. The next Convention is scheduled for October 8–14 in Oklahoma City, OK, promising even more opportunities for professionals to connect, learn, and lead in the plumbing design industry.

- **ASPE member:** If you, your spouse, or your child would like financial assistance toward a degree in engineering, [apply now for the ASPE Alfred Steele Scholarship!](#) Up to \$5000 in scholarship monies may be awarded to qualified applicants each year.

The scholarship is limited to ASPE members and their immediate family members (i.e., spouses and children). Eligible candidates must have a GPA of 3.0 or higher and be in, or plan to attend, a college, university, or technical school on a full-time basis (minimum 12 credit hours), enrolled in an engineering program. Previous applicants are eligible to apply.



The application deadline is January 31, 2025. It is imperative that the Education Committee receive completed applications before the deadline so they can make a timely decision.

- **ASPE Announces a New Educational Offering: MedGas Basics Classes**

Following the success of our in-person and online [MedGas Workshops](#), and continuing to fulfill our commitment to train the next generation of medical gas system designers, ASPE is pleased to announce our new [MedGas Basics classes](#) on ASPE Education.

The four classes provide an introduction to medgas system design for those looking to get into this exciting speciality of plumbing engineering. The instructional video classes cover the following topics:

1. An overview of medical gas system components
2. Design details for patient and operating rooms
3. Medical vacuum and air compressor selection and sizing
4. Medical gas manifold and specialty air compressor design

You can take the classes at your leisure, and each offers 0.1 CEU upon completion.

The classes are available for purchase individually or as a bundle. Each class is \$50 for members/\$80 for nonmembers, and the bundle is \$150 for members/\$270 for nonmembers. Not an ASPE member? [Join today](#) to save on these classes as well as take advantage of ASPE's other member benefits.

Visit [ASPE Education](#) to get started.



● ASPE's Book of the Month program continues with [Domestic Water Heating Design](#)

[Manual](#) (eBook version).

Through November 30, 2024, you can purchase the digital edition for 35% off the regular member price. Just enter the coupon code **thanksgiving** when you check out.

The discount is only valid on the digital version of the publication, and the coupon code can only be used once. If you are purchasing multiple items, the discount will be applied only to the assigned publication.

Don't forget to enter the coupon code when you check out to receive the discount.

Around the water cooler...

Thanksgiving and the "official" start of the holiday season will soon be upon us. So let us give thanks for another round of Water Cooler discussions. We have a question that will require you to put on your thinking cap. Think back to your basic high school **algebra** and try your hand at this submission by a Cooler:

I came across a seemingly simple math equation that has stumped educators better qualified at math than I am. Think about the following equation:

$$8/2(2+2)$$

How should you approach this problem and what is the answer?

Coolers, do give this question some thought before looking ahead at our response.

When we consider this problem, we can't help but think the equation is a bit ambiguous in its presentation. Performing a bit of research leads us to the following.

Consider: In this example, the notation $1/2(a + b)$ could plausibly mean either $1/[2(a + b)]$ or $(1/2)(a + b)$.

Sometimes, any interpretation depends entirely on context. Some submission instructions for algebraic equations by various organizations recommend against expressions of the form $a/b/c$; more explicit expressions $(a/b)/c$ or $a/(b/c)$ are preferred since they lack ambiguity.

So within this framework, we could have an equation with the intent of

$$8/[2(2+2)]$$

This would leave us with an answer of 1.

But we could also have an equation with a form of

$$(8/2)(2+2)$$

This would leave us with an answer of 16.

And in the end, we really need more concise input from the presenter to properly solve this problem.

Parting thought...

A Thanksgiving Prayer

Father in Heaven, creator of all and source of all goodness and love,

Please look kindly upon us and receive our heartfelt gratitude in this time of giving thanks.

Thank You for all the graces and blessings You have bestowed upon us, spiritual and temporal.

Our faith and religious heritage, our food and shelter, our health, the loves we have for one another, our family and our friends.

Dear Father, in Your infinite generosity, please grant us continued graces and blessings throughout the coming year.

This we ask in the name of Jesus, Your Son and our Savior.

Amen.

-Unknown

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Cold Water Recirculation



Last year, we implemented our thermal actuator technology into the CircuitSolver® Union Cold Water balancing valves. These valves are installed in domestic Cold Water recirculation systems to mitigate the risk of Legionella and other bacterial growth. Cold water recirculation is becoming more prominent in hospitals to reduce water stagnation and ensure residual chlorine is distributed but can be beneficial to any commercial building that could experience periods of low flow or non-use.