



UPCOMING MEETING

APRIL 28th, 5:30pm-7:00pm

VIRTUAL MEETING

TOPIC:

Electroadsorptive Technology

*Speaker: Patrick Verwys
Triple Clear Water Solutions, Inc*

REGISTRATION AVAILABLE AT:

<https://education.aspe.org/products/baltimore-chapter-meeting-electroadsorptive-technology-for-potable-and-non-potable-water-apr-2021>

*Meeting will be free to ASPE members
Non-member fee is \$25*

UPCOMING EVENT

***APRIL 23rd GOLF OUTING
See Page 3 for details***

WWW.BALTIMOREASPE.COM

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- Ads for the year will begin in the September issue and run through the May issue.
- All ads must be paid in full prior to the advertisement being included in the newsletter.
- Advertiser must provide ads in high resolution PDF format. Logo must be provided in .jpeg format 200px wide max.
- Cost per advertisement size is as follows:

<u>Size</u>	<u>Per Year</u>
Full page	\$750
½ page	\$500
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Please Contact [Jason Eagles](#) or [Jeff Edwards](#)

Make checks payable to Baltimore Chapter of ASPE. Please contact the chapter Treasurer with any questions.

Kathy Dwyer
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ASPE BALTIMORE CHAPTER GOLF OUTING and COOKOUT

**Friday, April 23, 2021
The Timbers at Troy
Columbia, Maryland
\$125 / Golfer**

- Prizes for Team Play
- Door Prizes
- Longest Drive Prizes
- Closest to the Pin Prizes

SCHEDULE

7:30 AM	Registration/Check-In/Breakfast		
8:30 AM	Shotgun Start Scramble Format "Captain's Choice" Mulligans Available	1:30 PM	Cookout (Hamburgers, Hot Dogs, etc.)
		2:00 PM	Awards & Prizes

Sponsors and Participants, please contact:

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Reservations will be confirmed when check and participant information is received.**

PLEASE RETURN COMPLETED FORMS BY APRIL 9, 2021

Company _____

Name _____ Phone No. _____

No. of Golfers: _____ @ \$125 each Total for Golfers: \$ _____

Sponsorship Level: _____ Total Sponsorship: \$ _____

Total Amount: \$ _____

2021 ASPE Baltimore Chapter Golf Outing Sponsorship Levels

- **Tee Marker (with Foursome)** **\$125.00**

- **Tee Marker (without Foursome)** **\$150.00**

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 (Includes tee marker and cookout sign)

- **Cart Sponsorship** **\$600.00**
 (Includes tee marker and cart signs for each cart)



All proceeds from the Golf Outing will benefit future Chapter events and activities.

Please make checks payable to: **ASPE Baltimore Chapter**

Mail registration and payment to:

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**Jeffrey W. Edwards, CPD ,GPD
President**

President’s Report

As I start my April President’s Report, I am excited that today is the beginning of The Masters golf tournament in Augusta, Georgia. Being a big golf lover for the past 55-plus years, this is one of my favorite tournaments to watch on TV. I keep trying and hoping each year that I get lucky enough to get selected in the Masters ticket lottery to be able to attend the tournament in person. I am also very lucky in my life that I play most of my golf these days with my 52-year old son, Barry, and my 22-year old grandson, David.

Speaking of golf, our chapter’s golf tournament is still scheduled for Friday, April 23rd at The Timbers of Troy golf course. We still have some openings left so please join us to help us get back to some normalcy outside while having some fun. Refer to the flier in our newsletter for complete information.

ASPE pays me a lot of money, NOT, LOL, to let you know their 2021 Tech Symposium is being held in San Diego, CA. from September 22 thru the 26th. Registration is supposed to open this month. Please go to aspe.org for additional information.

If you have anything you would like to discuss with me regarding the chapter, invite me to play golf, or help me wash my BIG F350, please feel free to contact me

Stay safe,
Best Regards,
Jeff Edwards, CPD, GPD
President-ASPE Baltimore Chapter

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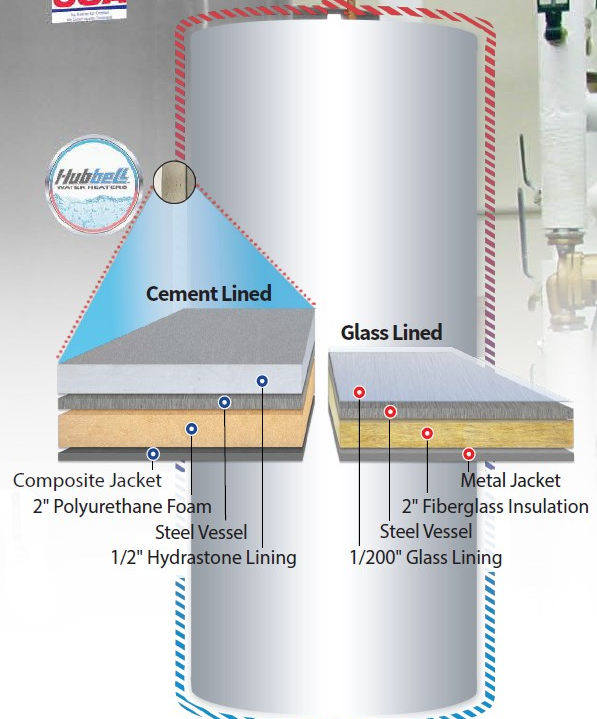
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Chuck Swope, PE, CPD, LEED AP BD+C
Vice President—Technical

Technical Report

We're almost at the end of the Baltimore ASPE season, but we still have a lot of ground to cover! Our last presentation from Jeff Henscheid of PVI was a good reminder of how selecting a water heater can have multiple solutions. Thank you, Jeff, for an informative presentation. This month we want to introduce a new technology called Electroadsorptive Technology. I promise that it's easier to read than it is to say. Primarily, this technology goes beyond "normal" sub-micron filtration like Reverse Osmosis by adding a negative charge to the to attract the particles that are not captured by the physical media. There are a lot of advantages, but don't let me spoil the ending. Patrick Verwys from Triple Clear Water Solutions, Inc. will (virtually) present to our chapter on this very topic. A special thank you to Mark Smullen from STH for bringing Patrick to our attention!

Patrick graduated from West Chester University of Pennsylvania and has over 20 years of sales and marketing experience. He is the Director of Sales for Triple Clear Water Solutions, Inc. and has extensive training in Electroadsorptive Technology. Patrick is a frequent guest speaker at ASPE, ASHRE, and educational Water Symposiums held across the country.

Best Regards,
Charles J. Swope, PE, CPD, LEED AP BD+C
Vice President - Technical



Technology is Changing – Are You?

Combining old and new products and techniques can be a fun way to help someone “discover” the plumbing and heating trades.

August 31, 2020

[Bob "Hot Rod" Rohr](#)



I am coming at this column with quite a few years in the industry. I started working with my dad in his plumbing business as a teenager. As crazy as it seems, that was back in the 1960s. So I've seen a few things.

Perhaps the most significant change, and the fastest, has been in the way we stay in touch. Particularly in these COVID-19 times, we have multiple means to communicate, around the world, virtually instantly — with not only an audio connection but visually.

With this technology so readily available, it is easy — maybe too easy — to get poll information regarding a product, concept, technology, etc. Conversations that were commonly carried out at supply house counters are now made via a small keyboard, or verbal text even. The hood of your truck at the end of the day was how we communicated with the team.

With everything going on in the world right now, it has been months since I have had a face-to-face with my work colleagues. And it could be many more months until we meet or gather at a trade event in person.

So, the conversations that have been going on for years in our industry continue, albeit in different ways. Here are a few time-tested favorites:

Sweat or press? Now there is a topic that lights fires and elicits opinions. I have to chuckle; when I started down the plumbing path, lead joints were still commonplace. I recall running threaded galvanized water piping in a home on Lago Erie. The owner, an old-school tool and die maker, just preferred threaded connections. Or maybe he just wanted to watch a plumber pipe together a job, being he was into threads in general.

This article originally appeared in *Plumbing Engineer*, a TMB Publishing publication. For more articles like this, please visit www.phcpros.com.

As for copper-fitting types, to me, there is no right answer. Nor should there be. I feel all the current “joining” products or techniques have a place. More important is that the assembly is executed correctly; all tube or pipe needs to be prepped properly for the best results. This includes threaded, sweat, press, groove, glue, fusion — pick any method.

Granted, product failures still occur, possibly more so with products manufactured without appropriate quality control, testing or design engineering. Most often, operator error, purposeful or not, plays into a connection failure. Indeed, there is no excuse not to get properly trained on *anything* in this digital age. A few clicks can get you to manufacturers’ training or any skill level of YouTube “opinion piping.”

However, be careful what you ask for in your online searches. Many of us have probably seen some bizarre, often boastful, “homemade” how-to videos online. The satirical publication *The Onion* comes to mind when I watch some of these DIYers teach the trade.

Another favorite is the raging debate over air purgers vs. micro-bubble air separators. Having been on both sides of this product selection, I see a clear difference. I’d be surprised if the manufacturers of scoop, ramp, camelback purgers would even claim 97 percent micro-bubble elimination. Seeing a clear difference makes me wonder if stubbornness and “all-knowingness” drive low-tech decisions?

Old and new methods — together

So, my mission lately has been to “thread the needle” between new and old technology and methods. To this end, I have built as many working demos as I can dream up. My approach is to find sources for transparent materials, piping and components. Then, I assemble a system that allows folks to see what is going on inside a hydronic circuit. With online streaming and the ease of uploading videos, it has been a fun, easily shared adventure.

After finding a source for clear acrylic tube, I discovered I could build most any hydronic components from blocks or large-diameter rod stock acrylic. It is a fun medium to work with; easy to drill, machine, glue and connect to. Grip-type fittings allow me to quickly disassemble and reuse tube and parts.

I mimic as closely as possible the steel or brass versions of the components. I’ve managed to carve and machine a few circulator volutes out of a chunk of acrylic. I have air, dirt and magnetic separators. A set of clear, closely spaced tees allows viewers actually to see various flows inside the fitting assembly.

My Hot Topics and ShopTalk sessions are my platform or stage. On a recent webinar, I showed a transparent buffer tank with multiple piping connections. Injecting some food coloring allows the viewer to get a clear picture of how the flows react.

This article originally appeared in *Plumbing Engineer*, a TMB Publishing publication. For more articles like this, please visit www.phcpropros.com.

I have a few other ideas for various hydronic valves, though it may require a skill set beyond what I can accomplish with my 1945 vintage Atlas lathe. My dad bought the machine while serving in Germany during WWII!

Through these demos, I hope to attract more of the younger generation into the trades with visual examples of the work we do and how piping systems work. Salary figures and textbooks are not enough to attract young talent. Virtually every blue-collar industry is looking for employees.

Just as an aquarium is a more attractive way to discover fish, youngsters or potential newbies to our trade may be more receptive to video demos rather than a textbook or online assortment of Photobucket images.

I hope that you, like me, have gazed in amazement at the Weil-McLain steam demo trailer, watching as the steam moves through the clear piping. My motivation to create clear, working models started with that display, probably at a NAOHSM Hershey event many years ago.

Even in these confusing, information-overloaded times we live in, you can still find verifiably accurate and technically sound information scattered throughout Bizzaro World.

Seek the truth, Grasshopper. Explore the options, embrace the technology and pass it forward. The world depends now — and more so going forward — on the tradesfolk of the world. We ensure that the movement of water and heat and waste is properly accomplished. We help keep disease at bay, keep flows going in the correct direction and ensure safe power generation.

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Christopher Imhof, PE, CPD
Education Committee Chair, VP - Legislative

Legislative and Education Reports

Legislative

I am a member of the Plumbing, Fuel Gas, and Mechanical Code Action Committee(PFGCAC) for 2024 code development for the ICC codes. On March 1st the ICC posted proposed changes to the 2021 ICC Group A Codes,

- International Plumbing Code
- International Fuel Gas Code
- International Mechanical Code
- International Fire Code
- International Swimming Pool and Spa Code
- International Residential Code (sections on Plumbing and Mechanical)
- International Building Code (sections on General, Egress Fire Safety, and Structural)
- International Performance Code
- International Property Maintenance Code
- International Private Sewage Disposal Code
- International Wildlife Urban Interface
- International Zoning Code

The proposed changes can be found on the ICC website,

<https://www.iccsafe.org/products-and-services/i-codes/code-development-process/2021-2022-group-a/>

Code Action Hearings will be held virtually during the period of April 11 – May 5, 2021. Public Comment Hearings will be held September 22 – 29, 2021. For more information, please continue to read this newsletter for updates.

A reminder that WSSC Water has extended the solicitation period for 2021 code development cycle until June 1st, 2021. I am the Technical Standards Engineering Manager for WSSC Water and if you have any comments or questions please send me an email, christopher.imhof@wsscwater.com

Education

Registration for the ASPE CPD exam ended April 8th. Once again ASPE is administering the exam via remote proctor, so you can take it any day at your leisure between April 5 and 16. You can find more information including webinars, review classes, and practice exams by visiting education.aspe.org.

Regards,

Chris Imhof, PE, CPD
Vice President – Legislative
Education Chair

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Nikita Patel, EIT, MBA
AYP Liaison



AYP Report

Region 1 AYP Liaisons recently joined forces to host a virtual presentation for all of our AYPs to attend. Our chapter presenter from last month, Jeff Henscheid, provided his Water Heater Sizing presentation for young professionals across the east coast, and we had almost 50 attendees! I am working closely with the other AYP Liaisons to select an interesting (and new) topic for our next seminar. I hate adding on to your Zoom/Teams fatigue, but I hope to see some familiar Baltimore AYP faces at the next virtual session. I am really optimistic that by the start of fall we'll be able to schedule another in-person event, but in the meantime I'll take what I can get...so virtual it is! If you have a topic you're not too familiar with and would like to learn more, please send me an email, and I'll add it to the list of future presentations.

On a different note, I am really looking forward to our golf outing later this month and thrilled to be in one of the two all-women foursomes. If you run into us on the course, just remember, my expertise is medical gas, not golf swings!

Thanks,
Niki

Nikita Patel, E.I.T., M.B.A.
Sales Engineer

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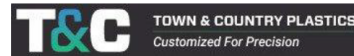
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Jay Otto
Administrative Secretary

Administrative Secretary Report

Thank you for the privilege of being involved in the Baltimore ASPE chapter and serve on the board. Our chapter has a rich history kept alive by the elders of the chapter and passed along to the younger members. Being located in a thriving market with so many diverse types of projects, allows the designers and the representatives to push their professional boundaries and challenge as well as expand their industry knowledge. Our chapter supports the professional growth of its members through lively meetings, reaching out to students who are interested in pursuing a career in engineering, training classes held in conjunction with professionals who actually install the products shown on plans. There are training opportunities for our members to advance in their chosen profession. Of course we all love the opportunity to relax and enjoy each other's company at our chapter outings. The annual golf outing is coming up in just a few weeks, April 23rd. All of this is done by volunteers who love our industry. Our chapter is strong and well run. Hopefully soon, we will be able to have our monthly meetings in person.

Thank You,

Jay Otto



Jay Otto
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Kathy Dwyer
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Treasury Report

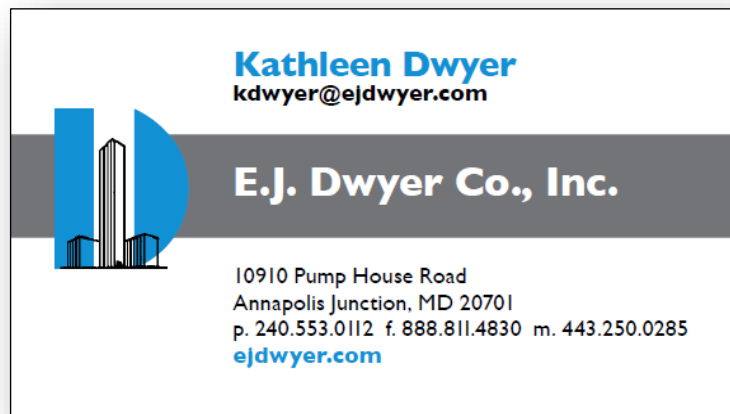
Wow! What craziness has descended on all of us since we were together! I am looking forward to seeing everyone at the ASPE Golf Outing in a few weeks!

I am happy to report that the Chapter is still in good financial position.

Please let me know if you would like to pay for the golf outing or sponsorships with a credit card. My office number is 240-553-0112 if you do. Thanks to all our sponsors and hopefully we will have a beautiful day to be outside.

Thanks,

Kathy



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Brian Crisp, CPD
Vice President - Membership

Membership Report

Hello again folks! Hope everyone is staying happy and healthy. Our golf outing is this month so if you enjoy the camaraderie of slicing balls with your fellow members, join us on April 23. Also seeing fellow members in person? What is this world coming to?

Let's congratulate our new members who joined our prestigious chapter in March! Please join me in welcoming them to our chapter, with a digital-cheers or shout-out during the next meeting.

Howard Moon
Kevin O'Brien

Just a reminder, if your membership lapses (for financial reasons or otherwise), but you renew within a year of when your membership expired, you can maintain your tenure. If you have any questions about this, feel free to reach out to me.

If you or anyone you know is interested in joining, or at least hearing about the benefits of membership, please don't hesitate to reach out to me. You can also join directly at <https://www.aspe.org/join>.

Thanks, and "see" you at the meetings!

Brian Crisp, CPD
Vice President, Membership
vpmember@baltimoreaspe.com



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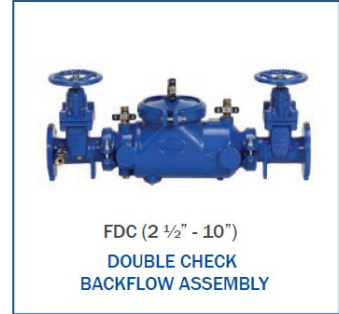
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Mechanical/Electrical Engineering



2020-2021 ASPE Baltimore Chapter Meeting Schedule

Date: **September 23, 2020**

Speaker: Niki Patel -Sherman Engineering

Topic: NFPA 99

Date: **October 28th, 2020**

Speaker: Ed Ross -QuantumFlo

Topic: Booster Pumps

Date: **November 18th, 2020**

Speaker: Lauren Berenato –Jomar Valve

Topic: Valves 101

Date: **December 16th, 2020**

Speaker: James Walls–CISPI

Topic: Installation Standards of Cast Iron Piping

Date: **January 27th 2021**

Speaker: BJ Schrader/Laura Loziuk –McWane

Topic: Cast Iron and PVC Piping Value Engineering

Date: **February 24th, 2021**

Speaker: Ken Isman –UM

Topic: Fire Protection Standpipe System Design

Date: **March 24th, 2021**

Speaker: Jeff Henscheid –PVI

Topic: Water Heater Sizing, Construction & Efficiency

Date: **April 23, 2021**

Event: Annual Golf Outing

Date: **April 28th, 2021**

Speaker: STH

Topic: Electrodeposited Water Treatment Technology

Date: **May 26th, 2021**

Speaker: Tom Weaver Associates /Franke

Topic: Engineered Infection Prevention

Date: **June 17, 2021**

Speaker: Joint Meeting / Philadelphia

Topic: Fire Sprinkler Protection of Rack Storage



Monthly Sponsorship Opportunities

The Baltimore Chapter of ASPE continues to have successful meetings and is looking to continue improving throughout the year.

The Chapter has the following sponsorship opportunities for each month:

Tabletop Presentations: \$100 to provide a tabletop presentation of equipment or material relative to the plumbing profession. The tabletops will be set up from the beginning to the end of the monthly meeting and provides the opportunity to provide a brief (under 5 minutes) presentation.

Please make checks payable to the Baltimore Chapter of ASPE.

Contact Jeff Edwards or Kathy Dwyer if interested

jedwards@muellerassoc.com

kdwyer@ejdwyer.com

NOTE: ONLY APPLICABLE WHEN WE RETURN TO OUR REGULAR IN PERSON MEETING EVENTS