



Upcoming EVENT

Date: December 12, 2018

Time: 7:00pm to 10:00pm

Place: Mustang Alley's Baltimore

Topic: Annual Holiday Party

See details on page 2



In This Issue

- Holiday Party Announcement –pg2
- AYP Event Announcement –pg3
- Award Program Announcement –pg4-7
- Presidents Report –pg9
- Board of Directors -pg13
- VP Technical Report –pg16
- Advertising Opportunities–pg18
- AYP Update --pg22
- November meeting - pg25
- Technical Article - pg27-29
- Treasury Report –pg31
- Membership Report –pg34
- CPD Review Class 2019 –pg38
- Meeting Schedule –pg39

EVENT LOCATION !



**1300 Bank Street
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WWW.BALTIMOREASPE.COM



Baltimore Chapter of ASPE cordially invites you to our

ANNUAL HOLIDAY PARTY

December 12th
7:00 p.m. to 10:00 p.m.

Mustang Alley's

1300 Bank Street
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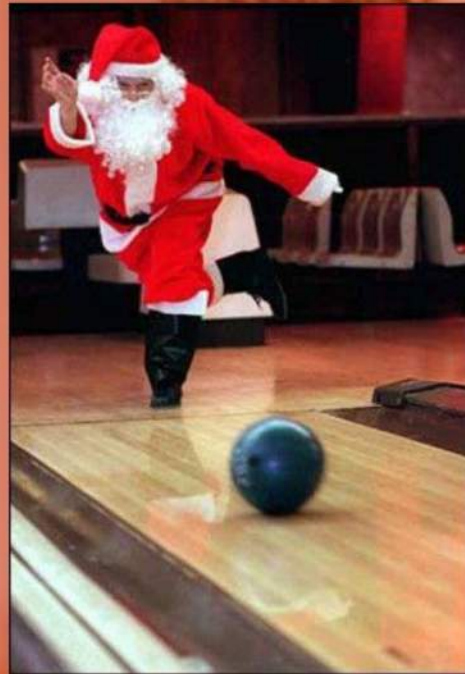
*Event includes **Bowling, Food & Beverages.**
(Santa outfit: optional)*

RSVP, on our website by 12/6/18
baltimoreaspe.com

Want to help **sponsor** the event? Contact
Kathy Dwyer at kdwyer@ejdwyer.com or
Jeff Edwards at JEEdwards@muellerassoc.com

For details contact Brian Crisp at
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**Thursday,
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Jason J Eagles
VP Affiliate, Scholarship Chair, Newsletter

Dedication is defined as a solemn commitment of your time to a cherished purpose. It is a loyalty or allegiance to a cause. I cannot think of a better term that defines many of the members of the Baltimore Chapter of ASPE. Being a member of this society is a choice and often involves hours of time devoted to the local chapter. We certainly hope the Baltimore Chapter has supported your technical knowledge and allowed for networking opportunities with other plumbing professionals. Without the dedication of its members, we would not be as strong as we are today. Speaking on behalf of the board, we wish to thank and honor you for that dedication. This year we will be celebrating those with 10 Years or more of being an ASPE Member. This program is long overdue and I am proud to be a part of it. We will be handing out over 50 awards during the next several meetings. Anyone receiving an award is welcome to attend that meeting paid by the Chapter. Please spread the word and join us as we celebrate these milestones. Please see the following pages for the members being recognized.

Award Presentations

10 Year Award– February 27, 2019

20 Year Award – March 27, 2019

30 & 40 Year Award – April 24, 2019

See pages 5-7 for award recipients and additional information



10 Year Awards – February 27, 2019

Richard Grier
Brent William Inners
Philip Joseph Holthaus
Robert Adam Kegan
Patrick Joseph Plourde
Eric Paul Sellers
Benjamin John Ploskon
Merton Harris
Thomas J. King
Michael Shacklock
Bryan W. Ondrasik
Kenneth J. Krach
Andrea M. Crabb
Jason Joseph Eagles
Dan Galloway
Donald John Yudiski
Paul Edwin Abbott Jr
Carlton Ross
Thomas G. Schrieber Jr
Walter Leo Miller
Herbert John Heubisch

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20 Year Awards – March 27, 2019

Robert E. Ruskey
Cory S. Colassard
David S. Crutchfield
Robert A. Weaver II
Michael J. Purtell
Steve C. Trageser
Kirby W. Slear
Sherry A. Abbott-Adkins
Kathleen M. Dwyer
Daniel M. Booze
John D. Stitz
Robert J. Allen
David R. Spencer
Neil P. Stabley
David Charles Van der Vossen
Igor Z. Knizhnik
Michael Kevin Hunt

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30 & 40 Year Awards – April 24, 2019

30 Year Awards

Charles E. Kozlowski
Roy D. Ebersole
Jeffrey W. Edwards
Michael A. Brame
Richard C. Goins
J. Thomas Federline Jr.
Jerry W. Rutkowski
Frederick Koelber
Daniel J. Gardner
Michael P. Nelson
Aaron L. Mullenax
David R. Hoffman

40 Year Awards

Donald F. Steiner
Stephen Hudson
John Richard Wagner
Robert J. Stryiewski

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What is better than plunging into the Bay in January? Throwing your co-workers in with you! The Corporate Plunge is the best excuse to sneak out of the office early **fur** a good cause! Join us on Friday, January 25th for happy hour, live music, and a Plunge to show your support for the 7,782 athletes who train and compete throughout Maryland.



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

President's Report

December 2018 Newsletter
President's Report

We had another good meeting last month, it was well attended and I'd like to say thank you to the three table top manufacturer reps who presented some of their products.

I was asked after our meeting by a rep if he could present his product using a table top at one of our meetings. Please know any manufacturer's rep can present a product using a table top at one of our meetings, just contact myself or Kathy Dwyer to allow us to make the appropriate arrangements.

In just a few days on Wednesday, December 12th, our chapter's annual Holiday Party will be held at Mustang Alleys. Hopefully you can join us to have some fun with bowling, great food and maybe an adult beverage or two. There is no cost to attend, just bring a new, unwrapped gift that we will give to the Marine's Toys for Tots program.

In just a few weeks, our chapter will be holding our AYP event for those 35 years old and younger (chapter president excluded of course) at Urban Axes in Baltimore. A flier will be sent out soon so please look for it for more Information. BTW, when Karen Schulte suggested this location to me, I said "hell yea", I've always wanted to join in at an event that allows you throw axes and drink beer 😊 There is no cost to attend this event as well, Zurn is ASPE's national sponsor for their AYP events. Thank you Zurn!

Last but not least, myself and our entire hard working chapter board would like to wish everyone a happy, safe and Merry Christmas as well as a safe and Happy New Years to everyone.

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



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A white pickup truck with blue stripes is parked in front of a wall made of blue pipes. The truck is shown from the rear, with a chrome bumper and a license plate that reads "MAR TEX LIL". The text "AMERICAN MUSCLE" is written in large white letters, underlined, and "TYLER TOUGH" is written below it in smaller white letters.

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

Technical Report

It's that time of year again, when halls are being decks and holiday cheer abounds. I know that our vacation schedules may not let us attend every meeting, so I appreciate that there was still a good turnout at our November meeting. It is important for our chapter to present new technologies, such as potable water generation, as well as revise our thinking on systems we are all familiar with. With every passing year, the focus will be on reducing our demand on infrastructures and increasing the usage of the resources available to us, be it rainwater harvesting, solar water heating or another technology yet to make it to the market.

I would like to wish our loyal chapter members and soon-to-be new members a Happy New Year, if I don't see you at our Holiday Party first. May all our designs be successful and water heaters be leak-free.

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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.

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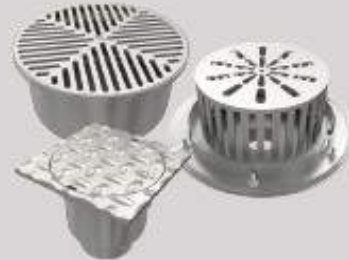
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Karen Schulte, PE, CPD, LEED AP BD+C
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Attention AYP members:

SEE UPCOMING EVENT DETAILS ON PAGE 3

Reminder if you are an ASPE member 35 years and younger, you're automatically a member of the Baltimore chapter AYP special interest group. If you're wondering "I'm not an ASPE member yet, can I still come to the AYP event?" Yes, we welcome you to attend the AYP events, meet your colleagues in the plumbing field, and find out more about ASPE including how to become an ASPE member!



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Contact Karen Schulte for more information on the Baltimore Chapter AYP and WOA at kschulte@muellerassoc.com



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British Plumbing Systems

Here are some oddities from across the pond.

August 24, 2017

Timothy Allinson



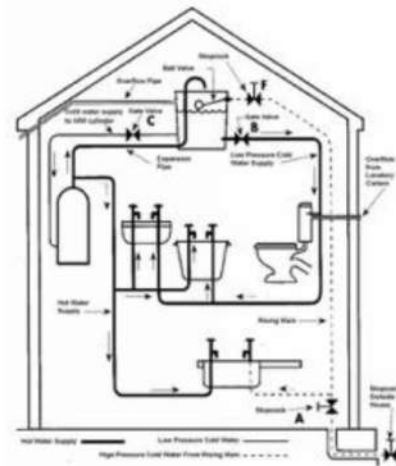
In late July, I planned a vacation to England with my girlfriend, Marjan. The trip turned into a fiasco. She purchased the airline tickets and got a very good deal on WOW Airlines (I know; I never heard of it before either — it's an Icelandic airline). We got to the airport with time to spare and started the check-in process. First, they checked Marjan and her bag. When they were checking me, they told me my passport was expired. I told them that it was not; it didn't expire until September. They in turn told me that to fly to Iceland I needed three months left on my passport. I told them I wasn't flying to Iceland; I was flying to London. They told me that I had to change planes in Iceland, and in order to do that I needed three months left on my passport. This

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argument went on for some time, as you can imagine, with the supervisor's supervisor's supervisor, but to no avail.

Since I couldn't fly, Marjan said that she wasn't going alone, and she needed her bag back. They said this was no problem, but we would have to wait. Two hours later, they came proudly marching out — with the wrong bag. As I write this, Marjan is in Croatia with her kids, still without her bag, and with a secondary wardrobe. Lord knows if the other passenger got their bag back.

Anyway, the intent of this introduction was to share my trip to London, and what I learned about British plumbing. Instead, I will have to share from memory when I designed projects there in the late 80s coupled with some tidbits I found on the internet.



For many years, residential water piping in England was required to be piped directly to the kitchen sink cold tap and then to a cistern in the attic. From there it was piped to the water heater and other fixtures. The only fixture considered safe to drink from was the kitchen sink cold tap because the water in the cistern was potentially dirty. Water pressure at the fixtures was notoriously low due to the low elevation of the attic cistern.



Waste piping was equally strange. Fixtures other than water closets were piped indirectly to the waste system, and waste piping was frequently piped exposed outside on the rear of the house. I can only guess that this was done because the buildings were so old that when they were built they didn't have plumbing, and when it was added, it was easier to install it outside than inside the walls.

As the waste pipes are collected below grade the pipes combine in an inspection chamber, which is an octopus-like fitting that has an access cover to grade. From this one access point, up to eight conjoining pipes can be inspected and cleaned out as required. Indirect wastes from the gray water fixtures spill to what we would refer to as a hub drain prior to making a connection to the inspection chamber. Storm drains also connected to the hub drains before being piped to a combined storm and sanitary sewer system. Some parts of England have separate sewers, so in those parts these two systems would not be combined.



If you have traveled to London and stayed in some of the older buildings, you may have found inconveniences such as separate cold and hot water taps, which make it very

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difficult to wash with warm water. The house I grew up in outside New York City had these old taps from 1928, so I am all but too familiar with how challenging they are to use.



Some of the older hotels and apartments required that you deposit a British pound coin into a controller that would then heat the hot water 30 minutes later in order to take a warm bath.

So yes, the residential plumbing of Old England left something to be desired. Being half British, I do not say this as an insult. After all, they were dealing with plumbing challenges before America had even been discovered by the western world.

Last, I was involved in commercial design in London for the Bishopsgate Development in the late 80s; there were still elements of Old England in their code. Every building required three water cisterns, one for domestic, one for fire sprinkler and one for fire standpipe. I don't know if their code has changed since then, but it's interesting to note how very old code can carry over to more modern code.

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



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Kathy Dwyer
Treasurer

Treasurer's Report

We had a bit of excitement at the November meeting when it was time to sit down to start enjoying our delicious meal at Olive Grove. It reminded me of playing musical chairs when I was younger. Please do your best to register online. I usually add about 5 extra seats, but we had so many walk-ins that 5 wasn't enough!

With the Holiday season quickly approaching we are heading back to Mustang Alley to enjoy an evening of bowling, drinks and fun. We are looking forward to seeing all of you there. I am sure that those of you who don't regularly attend meetings will see how many great topics we have been covering and will hopefully decided to join us early in 2019.

As you know we give every engineer who attends a complimentary ticket and if you go by the tabletops you can collect another complimentary ticket and can see products and learn some new things.

See you at Mustang Alley

Kathy Dwyer

kdwyer@ejdwyer.com

Kathleen Dwyer
kdwyer@ejdwyer.com

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Andrew Cahill — Membership

Membership Report

All right, I guess I'll have to settle for 1-for-3. Another New Jersey trek graced with the smell of burning tires kept me from Baltimore again. A .333 average isn't bad in baseball, right? Unfortunately for me, my region end of year meeting has been scheduled over our Christmas party, so I will swing and miss again in December (.250). Let's see if I can manipulate my schedule enough to stay above the Mendoza line for the year.

No new members to report in November, though no losses either. We remain at 113, 5th in region 1. DC hasn't gained any ground (similar to their football team) and remains one position ahead of us in the standings at 143.

Let me know if I can be of assistance to anyone interested in joining ASPE. You can direct them to <https://www.aspe.org/join> or email me at andrew.cahill@uponor.com.

I wish everyone a safe and enjoyable holiday season!

Did you know that engineering firms may offer reimbursement to employees for affiliation with professional organizations such as ASPE? In fact, participation with local chapters is often encouraged and provides significant benefits. In addition to the ability to attain CEUs from monthly educational seminars and networking opportunities with other industry professionals, members are provided with a volume of the Plumbing Engineering Design Handbook for each year of participation – a key resource in completing CPD testing. Have a conversation with your firm's principal about your options for joining ASPE.



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CPD Review Class 2019

The Washington DC and Baltimore ASPE Chapters will be providing a Joint Baltimore-Washington, DC ASPE Chapter CPD Review Session on Saturday, February 16, 2019 at the training center of E.J. Dwyer Co. in Annapolis Junction, MD. (Note: A bad weather make-up date is scheduled for the following Saturday, February 23rd.) The session will be from 9:00 AM to 3:00 PM (or longer as needed) with a lunch break. Bagels, juice & coffee in the morning and lunch will be provided by the good people of E.J. Dwyer Co. Directions to the office in Annapolis Junction (north of Laurel) may be found on their company website at www.ejdwyer.com under Contact Us or by clicking google maps link: <https://goo.gl/maps/4nEvRNG6kEK2>

Any ASPE member interested in attending this session is required to forward an e-mail to either Kathy Dwyer or Ned Dwyer at the following respective addresses: kdwyer@ejdwyer.com and ndwyer@ejdwyer.com

Please take notice of the following:

- Registration for the CPD Exam (through ASPE) opens December 1, 2018 and closes March 22, 2019. Link to website: <https://aspe.org/CPDExam>
- Note the reference to any ASPE member, since it is generally more economical for one registering to take the CPD exam to be an ASPE member prior to registering for the exam. Please contact a local ASPE Chapter VP Membership ASAP to become a current member;
- ASPE members not classified as Full shall be subject an exam eligibility evaluation by Society that may take as many as five business days. (You may wish to take the initiative and visit the ASPE web-site and preview the requirements for Full membership to see if you would qualify for Full membership); and
- The ASPE CPD Exam is scheduled to take place April 5 and/or April 6, 2018.

Attendees to our review class are expected to bring to the review session at a minimum a calculator, writing materials, a copy of the CPD Review Manual and a hard copy of all attachments that may accompany any future e-mail follow-up responses. NOTE: CPD Review Manuals will be available for purchase (at a discount) before and following the CPD Review Session.

I look forward in seeing you at the review class.

Sincerely,

David Bailey

David M. Bailey, CPD, GPD, FASPE

DATE: February 16, 2018 from 9AM to 3PM
LOCATION: E.J. Dwyer Co. 10910 Pump House Road, Annapolis Junction, MD 20701
CONTACT: Kathy Dwyer – kdwyer@ejdwyer.com – Mobile: 443-250-0285
Ned Dwyer – ndwyer@ejdwyer.com – Mobile: 443-250-4275
Main Office – 240-553-0112

2018-2019 ASPE Baltimore Chapter Meeting Schedule

Date: **September 26, 2018**

Speaker: Craig Boyce - Kemper

Topic: Legionella, ASHRAE 188, and Minimizing Risk

Date: **October 24, 2018**

Speaker: Chris Imhof - WSSC

Topic: WSSC 2016 Code Update

Date: **November 28, 2018**

Speaker: Jesse Rodriguez -Aqua Treatment Services

Topic: Rainwater Harvesting for Potable Reuse

Date: **December 12, 2018**

Event: Holiday Party

Location: [Mustang Alley's](#)

Date: **January 23, 2019**

Speaker: STH

Topic: Fire Pump Controller Applications

Date: **February 27, 2019**

Speaker: Sherman Engineering Company

Topic: Lab Specialty Gas Sources and Distribution

Date: **March 27, 2019**

Speaker: Highland Tank

Topic: Grease Interceptor Design

Date: **April 24, 2019**

Speaker: Ultra Pure Water Systems

Topic: Evoqua

Date: **April 26, 2019**

Event: Golf Outing

Location: [The Timbers at Troy](#)

Date: **May 22, 2019**

Speaker: EJ Dwyer

Topic: Digital Mixing Valves



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

