

BOSTON

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Volume 45, Issue 5



Next Meeting

TUESDAY, JANUARY 9TH, 2018

The Chateau, ANDOVER, MA

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Society email aspe@aspe.org Society Website www.aspe.org

Boston Chapter Website www.aspebostonchapter.org



President's Report

Wow, another year gone! I want to wish all our members a Happy New Year. I also hope you all had a great holiday season.

This past December meeting, we had our Joint meeting with the Boston Chapter of ASHRAE. The topic was "Vibration Isolation and Seismic Restraint for HVAC and Plumbing Equipment" and was presented by Mr. Karl Peterman. The topic was interesting and educational. The overall attendance at this meeting was approximately 50. ASPE had in attendance 18 people, which historically for these joint meeting is not too bad. I would like to thank those of you who contributed gifts for our "Toys for Tots" Christmas/Holiday donation program.

The January meeting will be at the Chateau Restaurant in Andover, MA. This event will be held on Tuesday, January 9^{th} , 2018. The topic will be on PRV's presented by Pat Donnelly of Cla-Val.

A look into 2018

This year, the board is working on a lot of programs and events. All of our programs and events are coordinated by volunteers of our Boston Chapter and we are always looking for some help. The first thing we are working on is a CPD review course. Our Education Chairman, Zach Rohlfs is seeking volunteers to teach parts of the course material. We are targeting the end of February or the beginning of March to start the classes. By the February newsletter, we should have more information for you. The CPD exam will be on April 5- 6 2018, and registration closes on March 22, 2018. If you are planning on registering for this exam, please visit https://aspe.org/CPDExam

We are planning a celebration event to mark our 45^{th} Anniversary as a chapter. We are still gathering some ideas for this event. We currently have a couple of ideas but are looking for more input from you.

We are pleased to announce that the chapter has a "ASPE Young Professional (AYP) liason". Jennifer Olsen accepted this appointment a few months ago and has been working with ASPE Society to better represent the interests of our younger members. Jennifer is working a social event for sometime this coming spring. The event is for our younger members to gather and network. More information will be forthcoming.

The affiliates of our chapter have asked again to host our annual golf tournament. The tournament will most likely be in the fall. It's not too early to start the planning. If you would like to help out please feel free to contact me.

Be on the lookout for a free webinar hosted by ASPE Society. The next scheduled FREE webinar is on "Designing PEX Plumbing Systems to Optimize Performance and Efficiency", this webinar will be on January 16, 2018 at 2pm. If you are interested in this webinar, please register by January 15th by 4pm. Please note, this webinar is only free to ASPE members and is being sponsors by Plastics Pipe Institute. To register, please go to link below. https://aspe.org/DesigningPEX

In conclusion, we are planning for this coming year technical meeting, educational and social events. As I stated above, all these events are dependent on our volunteers. We had been very luck to have had people who stepped up to help in the past but we need more people to do so. Volunteering with the chapter can be very rewarding. Please consider helping in whatever capacity.

Hope to see you in January!

Happy New Year & Best Regards, Edward Nadeau, ASPE Boston Chapter, President

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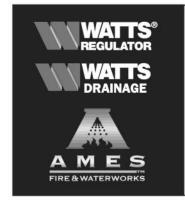
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Boston Chapter Honors Paul Galvin & Roger Wardwell

On Tuesday November 14th, the Boston Chapter of the American Society of Plumbing Engineers (ASPE) presented the *2017 Bernard J. McCarty Keystone Award* to Paul G. Galvin and Roger D. Wardwell, P.E., CPD. The Keystone Award, named in honor of Boston Chapter Charter Member and ASPE Society Past-President Bernard J McCarty, is awarded to long time Boston Chapter members that have been instrumental in building and promoting the Boston Chapter ASPE through their tireless effort, endless support and unwavering dedication to the chapter.

Paul Galvin, Market Segment Manager – Life Science with Georg Fischer has been a member of the Boston Chapter since 1987. Paul has been an active ASPE member for more than thirty years. On a national level, Paul has been a long-time member of the ASPE Advisory Committee. Paul is a well-respected technical speaker and has presented seminars on pure water and lab waste piping systems at numerous ASPE National Conventions and Technical Symposiums. On a chapter level, Paul has been the guest speaker for dozens of other ASPE chapters across the country. On a local level, Paul has been a long-time member of the Boston Chapter Board of Directors, serving as the chapter's Administrative Secretary for years. Paul has always supported the Boston chapter, helped promote membership, provided technical expertise and unwavering leadership, has been a loyal Biennial Product Show exhibitor, and supported all other chapter functions during his tenure.

Roger D. Wardwell, P.E., CPD, Partner Emeritus Bala/TMP has been an active member in the Boston Chapter since joining in 1975. As a long time Plumbing Department Director and Partner at TMP Engineers in Boston, Roger was elected to the Boston Chapter's Board of Directors in 1987. Roger was elected and served as the Boston Chapter's VP Legislative in 1987, served as VP Technical the following year in 1988, and went on to serve two consecutive terms as Chapter President from 1989 to 1991. Under Roger's leadership the Boston Chapter was awarded the ASPE Chapter Award of Merit in 1989-1990. Always an instrumental driving force and supporter of the chapter's operations, Roger could always be counted on to help promote the CIPE/CPD exam, assist teaching the CIPE/CPD prep class, promote membership growth in the chapter, represent the Boston Chapter as a delegate at ASPE Conventions and Technical Symposiums, and be a guiding force in the early years of the Boston Chapter. In 1993, Roger took on the additional role of becoming the Newsletter Editor of the Boston Chapter and continued until 1999. He then retired in 2010.

The 2017 Bernard J. McCarty Keystone Award was presented to Paul Galvin and Roger Wardwell "In honor of your many years of dedication and commitment. The Boston Chapter greatly appreciates your continuous distinguished service in providing growth, leadership, and direction to the organization. We recognize your continued effort and unwavering support of the Boston Chapter."



Paul G. Galvin is presented the Boston Chapter ASPE's Bernie J. McCarty Keystone Award by Boston Chapter VP Membership John P. Callahan



Boston Chapter Past-President Roger D. Wardwell, P.E. CPD is presented the Boston Chapter ASPE's Bernie J. McCarty Keystone Award by Boston Chapter VP Membership John P. Callahan



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NEXT MEETING

TUESDAY, JANUARY 9th, 2018

The Chateau, ANDOVER, MA

MAIN PROGRAM

Pure Water Distribution Piping System Design Guidelines and Lessons Learned

SPEAKER

Mr. Pat Donnelly, Cla-Val Territory Manager, Northeast US

PROGRAM SCHEDULE

| Social Hour | 5:00 - 6:00 |
|-----------------------------|-------------|
| Dinner | 6:00 – 6:45 |
| Chapter Business | 6:45 – 7:00 |
| Speaker / Technical Session | 7:00 - 8:30 |

MENU

Appetizers: Meatballs, Stuffed Mushrooms & Roasted Chicken Wings

Dinner (Choice of one): Chicken Parmigiana with Toasted Ravioli,
Broiled Seafood Platter (Haddock, Scallops & Shrimp) w/Potato &
Veg or Broiled Marinated Sirloin Tips w/Potato & Veg

Dessert: Oreo Ice Cream Pie with Hot Fudge

MEETING RESERVATIONS

\$25.00 ONLINE Reservation

(Please use the electronic invitation sent to you)

\$40.00 W/O Reservation

Retired & Currently Unemployed Members Free Please reserve by WEDNESDAY, Jan 3rd, 2018





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Technical Report



Happy New Year everyone!! Here we go into 2018.

Hopefully everyone enjoyed the holidays, and had some time off to spend with their families, loved ones, or just to recharge the engines a little. It can start to be quite the grind this time of year with the frigid cold and the limited hours of daylight. The good news is, the days are getting longer. The bad news, I think the cold is here for quite a bit longer.

2017 was a very productive and busy year for the Boston ASPE Chapter. We swore in a new group of officers before the summer, we had our annual golf tournament in September, we sent a number of members to the Technical Symposium in October, and we had our biennial product show this past November. Phew, that's a lot, and I have to say they were all great events, and have continued the tradition of excellence that is expected of the Boston Chapter. So thanks to all involved who made 2017 a great year for our chapter. We closed out the year in good fashion on December 12th when the Boston Chapter of ASHRAE hosted us for our annual joint meeting which took place at the Embassy Suites in Waltham. The meeting was well attended by both Plumbing & HVAC engineers, and the topic was relevant to both groups. Thanks to both Steve Tafone for his Lessons Learned technical session, and to Karl Peterman for his presentation on Vibration Isolation. It was good to see some numbers and formulas and some back up as to not only why it's important to properly isolate equipment with moving parts, but also how many variables can go into the proper selection. Thank you to Michael Gilroy and the rest of the ASHRAE Boston board for hosting us and making us feel welcome. Also, a special thanks to Chapter Historian Eric Edman for going out of his way to make us plumbers feel welcome during his opening remarks that were full of fun facts and entertaining trivia.

Reminder: Our next monthly chapter meeting is to be held at The Chateau in Andover, MA.

The technical topic and presentation shall be as follows:

January 9, 2018 @ The Chateau in Andover, MA

Main Topic - Pure Water Distribution Piping System Design Guidelines and Lessons Learned

Presenter - Pat Donnelly, Cla-Val Territory Manager, Northeast US

Pat Donnelly, Cla-Val Automatic Control Valves, will present on the operation of control valves and the various applications they are used in throughout a typical water supply and building plumbing system. We will review sizing based on the design parameters, options, and good engineering practices. We will discuss electronic options for consideration in the building automation system. Understanding how to size, specify, and install control valves is an important aspect of plumbing engineering. Not just when dealing with multiple pressure zones in high rise buildings, but also in areas where elevated pressures are entering buildings or when pressures may fluctuate during different times of day. Did you know there are different valves for continuous flows versus intermittent flows? Or, why do we have a bypass PRV in parallel with a larger PRV? What is the best practice pressure drop across a PRV, and whet is the maximum pressure ratio to get the best results? Should I use a pressure sustaining valve or restricting valve?

Be prepared to not only listen and learn, but to ask Pat any and all of these questions. Because, you can size all of your pumps and piping correctly, but if your control valves are misapplied, the whole system can come to a grinding halt. (I've seen them literally grinding and failing...)

Hope to see everyone on the second Tuesday of the New Year up in Andover!!

Upcoming Technical Events:

- February 13, 2018 Our monthly chapter meeting is intended to be a lunch time meeting at 290 Congress Street in Boston, MA. Sign
 in time will be 11:30 am. The speaker/presentation is TBD.
- March 13, 2018 Our monthly Chapter meeting will return to the North Shore (The Chateau in Andover, MA) As of now, our
 presentation will be on hot water recirculation how, why, and how to use modern technology to make your job easier. The
 presentation shall be by Yours Truly. This will be an updating of the presentation given by Joseph Barbera in years past, which was
 one of my personal favorite presentations, and is something that often gets overlooked, and underthought over and over.
- April 2018 This will be our annual joint meeting with the <u>Greater Boston Plumbing Contractors Association (GBPCA)</u>. The GBPCA will be hosting this event at <u>Lombardo's</u> in Randolph, MA (Next door to Lantana's.) The topic, presentation, and speaker shall be updated as detail become available.
- May 2018 We are planning a facility tour of a recently completed high rise occupied 100% by a major life science (laboratory) tenant. The tour will include all mechanical spaces including all major lab plumbing systems including pH neutralization, RODI water, Reclaim water, lab vacuum, lab compressed air, condensing water heaters, rainwater reclaim, and cryogenic and laboratory gases systems. We feel this will be a great chance to change things up a bit, and to see the finished products many of us don't get to see in action. The date and time are TBD, and details will be provided when finalized.

If you have any topics you would like covered at an upcoming meeting, please shoot me an e-mail at chris_curran@aha-engineers.

Yours Truly, Chris Curran, VP Technical, ASPE Boston Chapter

Legislative Report

The search feature for the Accepted Plumbing Products Online System for the Plumbing board can be found at the following link:

https://licensing.reg.state.ma.us/pubLic/pl products/ pb product.asp.

The Board of State Examiners of Plumbers and Gas Fitters website has been updated. The following link is for the updated site: https://www.mass.gov/orgs/board-of-state-examiners-of-plumbers -and-gas-fitters

For any further questions, the Plumbing Board could be contacted at 617-727-9952.

By Luther Thevenin, CPD, VP Legislative



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- Site visits to determine existing conditions and document all associated systems included in scope of work.
- Conveying all information required for submissions on all design deliverables including:
 Calculations for CW, HW, Waste, Vent & Storm Drainage
- Natural & Propane Gas Systems
- Layout, sizing and specifying required equipment
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Membership Report



New Boston Chapter Members

Surprisingly there are no new Boston chapter members this month. The membership totals for the three largest ASPE chapters this month are as follows:

> New York City: 297 Members Boston: 283 Members Chicago: 279 Members

Membership Goal for 2018

Membership retention has been an ongoing struggle for quite a few years now. Just recently I compared our chapter membership roster from the previous three years to see how many Boston Chapter members had let their membership lapse in that timeframe. I was shocked to learn there were over 130 names of people that were members as recently as three years ago that are not currently members of the Boston chapter. Sadly, a few of our members have recently passed away. The rest, thankfully, are still on the green side of the grass. Some moved away and are affiliated with other chapters, some left the industry, some retired, but most simply let their membership expire, intentionally or otherwise. My goal for 2018 is to get the majority of you ex-members to rejoin. In the next week or so I will be mailing a special invoice and letter to you inviting you to rejoin ASPE and the Boston Chapter. Please fill it out and send it back to Society.

So, to start of the Boston Chapter's Membership Renewal Drive, I have listed below over 100 names of lapsed members from the Boston Chapter. If you know anyone on the list, please encourage them to rejoin. If I inadvertently have someone listed that has already renewed, I apologize for the oversight.

> Adam Belanger Adriana C. Rodriguez CPD Andrew G. Kireta Sr. Andy Rice

Anthony Centrella Anthony Russo Antonino Giacalone P.E.

Anup Khatra P.E. Brian F Green Bruce D. Walker Bruce H. Sandler Charles O. Jennings Christopher Meurer LEED AP

Daniel Kocur P.E. Daniel Cohen Dario Correia E.I.T Darrin Healey **David Downey**

David A. Ferrari Dino J. D'Angelo Don J. Piatt G.E. Eduardo J Chaviano P.E.

Edward LaRiviere Ernest E. Elliott Eugene M. Weeks G.E. Finn Chappell CPD

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Gerald J. Caroto Gerard R. Audet Gordon MacEwan

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Leland Bramer CPD Lloyd G. Benjamin Marybeth LaRocque CPD Matthew Morrissey

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Mitsu Koshima

Meghan Ratnam Michael Zoccolante G.E. Michael Rozenblum P.E. Nancy K. Bonnetti

Nicholas Wheeler CPD Nicholas A Morin Nicholas Davis G.E. Patrick J. Walsh Patrick Caskin Sr.

Paul Padua

Paul J. Catanzaro CET Philippe Lauture

Ralph Mulcahy

Richard O. Marchessault Richard R. Aaron Richard W. Friberg Jr. Robert S. Borjeson

Robert F. Griffiths Robert T. Moffatt Robert Martin Roland Giguere P.E.

Ron Belling Ronald J. Calo Stephen Barrett Stephen Coduri Stephen Byron Stephen E. Kelly Steve McIntosh Steven P. Croci Thomas Theroux Thomas F. Dacres Jr. Timothy Boivin

Timothy Gillis Vasco Demelo Vasyl Stefantsiv William Hardiman P.E. William Lentz G.E., CPD

By John Callahan, CPD, V. P. Membership, Boston Chapter ASPE

CALENDAR OF EVENTS

| DATE | EVENT / HOLIDAY | LOCATION | |
|-------------------|---|--------------------------------|--|
| January 3, 2018 | Mass Plumbing Board Meeting - Variances & Waivers, 1st Meeting | 1000 Washington Street, Boston | |
| January 9, 2018 | ASPE Boston Chapter Monthly Meeting - Pure Water Distribution Piping System Design Guidelines and Lessons Learned | The Chateau, Andover, MA | |
| January 31, 2018 | Mass Plumbing Board Meeting - Exam Waivers/CORI Reports, 2 nd Meeting | 1000 Washington Street, Boston | |
| February 7, 2018 | Mass Plumbing Board Meeting - Variances & Waivers, 1st Meeting | 1000 Washington Street, Boston | |
| February 13, 2018 | ASPE Boston Chapter Monthly Meeting - TBD | 290 Congress St., Boston, MA | |
| February 28, 2018 | Mass Plumbing Board Meeting - Exam Waivers/CORI Reports, 2 nd Meeting | 1000 Washington Street, Boston | |
| March 7, 2018 | Mass Plumbing Board Meeting - Variances & Waivers, 1st Meeting | 1000 Washington Street, Boston | |
| March, 2018 | ASPE Boston Chapter Monthly Meeting - Hot Water Recirculation | The Chateau, Andover, MA | |
| March 28, 2018 | Mass Plumbing Board Meeting - Exam Waivers/CORI Reports, 2 nd Meeting | 1000 Washington Street, Boston | |

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Hello readers of the ASPE Monthly Newsletter.

ASPE Boston has decided to run a CPD preparation course ahead of the CPD test this coming spring.

We are looking for volunteers to help teach, coordinate dinner, and a location to have the course.

If you are interested or could post the following up on your companies 'Bulletin Board' whatever that may be it would be appreciated.

If you are interested in helping please reach out to Zach Rohlfs zrohlfs@brplusa.com."

Thank you, Zach ASPE Boston Education Chair

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