



Next Meeting

***WEDNESDAY,
FEBRUARY 15TH, 2017***

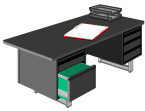
11:30 am - 2:00 pm

LUNCH MEETING

**BSA - 290 Congress St.
Boston, MA**

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President's Report

January meeting with speaker George Carney technical session on treating acidic wastewater was very informative. He talked about treatment options and showed us examples of untreated acidic waste. Condensate from your condensing boilers and water heater exhaust flue or vent need to be treated before entering the sanitary system.

February 15 is our next meeting. Lunch time at BSA. I hope to see you there.

Starting soon will be our product show committee. Refer to article from product show chair Ethan Grossman for details.

May 9th meeting at Lantana is our elections. Please plan to attend and vote.

Slate of potential officers some new some current below.

President:	Edward Nadeau
VP Technical:	Chris Curran
VP Legislative:	Luther Thevenin
VP Membership:	John Callahan
Treasurer:	Richard Pokorny
Administrative Secretary:	Zachary Rohlf
Corresponding Secretary:	Patrick Haney

Board recommended appointed positions below:

Education Chair:	William McGrath
Affiliate Liaison:	Jeff Gooding
Newsletter Editor:	Dawn Pokorny

Anyone meeting the criteria and is interested in being on the board can put their name in for consideration. This is an election process. We can have more than one candidate for a position.

**Laurence D. Johnston CPD
ASPE Boston Chapter, President**

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New England Fire Protection Systems Designers Product Show

The New England Association of Fire Protection Systems Designers announces their 13th New England Fire Systems Product Show. The show will feature over fifty spectacular product booths exhibiting the latest in cutting edge technology and providing information to over 2,000 invited guests!! The show will be held on Thursday, March 23, 2015 at Lantana's in Randolph, Massachusetts. In addition, the show will feature concurrent fire protection seminars free of charge. For information on booth space or other information contact the New England Association of Fire Protection Systems Designers (NEAFPSD), P.O. 149, Wrentham, MA 02093-0149 or visit our web site at www.neafpsd.com

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Technical Report

If you were not able to attend the January meeting you missed out on some interesting information. This past month we welcomed Mr. George Carney from JJM Boilers, Inc; to our chapter's monthly meeting. George talked about Acidic Condensate Waste Water from water heaters and boilers. Below are a few key points covered in the presentation:

- The average pH level of this condensate is about 3.2pH.
- pH above 2.0 is considered wastewater and must be treated before going to sanitary
- 90% Efficiency water heater/ boilers will produce .725 GPH of condensate per 100 MBH input.
- 95% Efficiency water heater/ boilers will produce .766 GPH of condensate per 100 MBH input.
- 99% Efficiency water heater/ boilers will produce .798 GPH of condensate per 100 MBH input.
- The three ways to treat acidic condensate wastewater:
 - * Base injection system (best Control)
 - * Central Receiver tank (very good control)
 - * Gravity tanks & inline tubes (good control)
- Base Injections consist of sodium hydroxide liquid (base), pH control Panel, probes, receiver tank, electric propeller mixer, and a base metering pump.
- Central receiver tank consist of magnesium hydroxide pellets.

February Technical Topic and Meeting

The February technical topic will be on ASHRAE 188 Standard on Legionella Risk Management- Impact on Plumbing Industry. This meeting will be a lunch time meeting held on February 15, 2017 at The Boston Society of Architects (BSA) located at 290 Congress Street, Suite 200 Boston, MA. We have the room from 11:00am to 2:00pm, check in will start around 11:30 with the speaker starting at 12. Please make sure you are on time. This session will focus on:

- Understanding real risk of waterborne pathogens
- Liability Risk associated with plumbing system design
- Business impact on Plumbing Industry

This session will be presented by Mr. Tim Keane. Tim Keane is a consulting engineer with Legionella Risk Management and is an internationally recognized expert on methods to control and minimize the risk of Legionella in building water systems.

Tim has 39 years' of field engineering experience including; new construction project engineering, facility engineering, water treatment consulting and the last 15 years' focused on building water system design, operation, maintenance and code development for waterborne pathogen mitigation and control. A member of the ASHRAE 188 committee since 2005.

In 2016 he led a seminar session at the International Emerging Technology Conference titled, Water Quality, Water Savings and Water-Energy Nexus - Three Issues, One Solution? The session presenters included an Academic waterborne pathogen expert, Dr. Marc Edwards, a field expert in water system energy savings, Gary Klein and Tim Keane. The session concluded that good engineering design of plumbing systems will save money, save installation and building costs, save operation and maintenance costs while reducing water consumption, energy consumption and Legionella risk.

His article published in PM Engineer titled "ASHRAE 188: The Domino Effect" discusses the potential impact ASHRAE 188 will have on the plumbing industry.

Best Regards, Ed Nadeau, VP Technical, ASPE Boston Chapter

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Membership Report

New Boston Chapter Members

The Boston Chapter ASPE would like to welcome the following 7 new members:

Nicole Phifer G.E.	Associate Member	New England Combustion Products
Carola Houttuijn	Associate Member	VAV International
Joey Fababeir P.E.	Full Member	PM Group Global
Rafael Plahm	Full Member	Tighe Bond
Joseph Aucoin	Full Member	RDK Engineers
Stephen Akian	Full Member	TG Gallagher
Timothy Lawler	Affiliate Member	Sweeney Rogers Geraghty

Congratulations 25 Year Boston Chapter ASPE Members

The Boston Chapter will be awarding 25 Year Member pins to the following members at the February meeting

John A. Davis CPD - Emeritus
Lawrence F. Harding
Mark Gagnon
Thomas J. Winalski
Scott D. Anderson
Paul G. Galvin
Paul R. Taylor III, CET, CPD
Louis J. Caraglia CET
Kenneth S. Charest
Stephen T. Beloin
Grant A. Anderson CET
Richard P. Grondin P.E.,
Edward H. Springer P.E.
George E. DiCenzo
Alfred J. Melchionda P.E.
Laurence D. Johnston CPD
Albert Fehrm Jr
Donald F. Rosen
Brian M. Hagopian
Martin R. Richardson P.E.
John T. Carter
Joseph P. Barrell Jr.
John P. Callahan CPD
James A. Park CPD
Kevin N. Ross

Top Ten Reasons to Attend the February Meeting at the BSA Space

10. It'll be a wicked awesome topic presented by a wicked smart guest speakah
9. No long lines to navigate to get your catered lunch.
8. Milk Street Café's Double Fudge brownies. Need we say more???
7. See the sales reps that you haven't seen in ages.
6. It's on Congress Street. How much closer can it be?
5. It's guaranteed to be beautiful spring like weather that day so you can walk there.
4. You can pick up your free 2017 ASPE membership pin or your 25 year pin.
3. There's no quiz at the end of the presentation and free CEUs.
2. It beats spending yet another lunch hour working at your desk
1. No conflict with Valentine's Day (that you nearly overlooked the day before)

\$3,000 ASPE Scholarship Deadline Quickly Approaching

ASPE Members: You still have time to help your son or daughter get their degree in engineering!
The deadline to apply for up to \$3,000 in scholarship money is January 31. Learn more about ASPE's Alfred Steele Scholarship and apply today at www.aspe.org/SteeleScholarship

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

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LUNCH MEETING

WEDNESDAY, February 15, 2017

Boston Society of Architects

290 Congress St., Boston, MA

MAIN PROGRAM

ASHRAE 188 Standard on Legionella Risk Management Impact on Plumbing Industry

SPEAKER

Mr. Tim Keane of
Legionella Risk Management

PROGRAM SCHEDULE

Social Hour	11:00 – 12:00
Check In	11:30
Speaker / Technical Session	12:00 – 2:00

MENU

Deli Sandwiches, Chips, Salad & Brownies from Milk St. Cafe

MEETING RESERVATIONS

\$25.00 ONLINE Reservation

(Please use the electronic invitation sent to you)

\$40.00 W/O Reservation

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Legislative Report

For this month article I would like to share with you the history of the Massachusetts Plumbing Code.

From the years of 1400s to 1800s anybody with plumbing skills were allowed to install plumbing system. By the year 1880 improperly installed sanitary systems started to affect the health of the public. Tradesmen started to bring up complaints on the unskilled plumbers and their imperfect piping installations. At that time the plumbers did not have to obtain any paperwork that would recognized them as a qualified plumber. In 1882 Massachusetts law makers agreed to pass a law that required all plumbers working in the City of Boston to be registered plumbers. Approximately one year after the registration law was passed a group of highly skilled plumbers formed a plumber association called "The Master Plumbers' Association of Boston and Vicinity."

In 1893, a young girl was found dead in her home in Worcester Massachusetts. Investigators found the cause of death was due to a cross-connection in the plumbing system. This young girl was the daughter of the Representative Alfred S. Roe of Worcester. Representative Roe presented a petition to the Committee on Public Health to make the statewide registration requirement stricter. The strict requirement would insure that amateurs do not install plumbing systems. By the end of that year that requirement became law.

In 1909 the Massachusetts State Board of Examiners was created. The creation of the Board of Examiners started a new requirement that required all registered plumbers to be tested.

In 2002 the state created a requirement that called for all registered plumbers to attend continuing education classes, workshops, or seminars.

In 2014 The Board accepted only products that are "lead free" should be utilized with regards to any plumbing providing water for human consumption. The Board did not withdrawn product acceptance from any products that are not "lead free". However, the burden of following these requirements would be on the installing licensee.

Sources:

Board of State Examiners of Plumbers and Gas Fitters: <http://www.mass.gov/ocabr/licensee/dpl-boards/pl/>
GBPCA November 2016 newsletter article
"Update: A code to Live By" By Hugh Kelleher

Special Report:

On February 24, 2017, Mr. Wayne E. Thomas will be stepping down from his Executive Director position at the Board of State Examiners of Plumbers and Gas Fitters. We have not received any information on who will take over Executive Director the position. We will keep you posted on any new information we receive on this.

By Luther Thevenin, CPD, VP Legislative

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Fellow ASPE members,
The purpose of this article is to invite you to participate in the planning and execution of our 24th Biennial Product Show, tentatively scheduled for November 14, 2017. This is a great opportunity to get involved with your ASPE Boston chapter. There are many tasks involved with planning as well as tasks to perform on the day of the show. Your level of involvement may vary from coming to monthly planning meetings to helping proctor a seminar on the day of the show. Any level of involvement is welcomed and appreciated. Our kick-off meeting is scheduled for February 9 at 5:30 pm at RG Vanderweil. Please contact: Ethan Grossman (ethan.grossman@arup.com) Kevin Lally (klally@ecospecifiedproducts.com) with your level of interest. If you are planning on attending the February 9th Kick-Off Meeting, please RSVP specifically so we can have the proper room accommodations available. We look forward to hearing from you!



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2016 ASPE Convention

(Part One of Two)

This past October/November I had the opportunity to attend the ASPE 2016 Convention & Expo held in Phoenix, AZ. This was my third convention attended as a member of the Boston chapter, with the previous two being the Long Beach convention & the Philadelphia convention in 2008 & 2010 respectively.

Day 1

Upon arrival, I quickly checked into my hotel, and then even quicker found a local bar/restaurant so I could catch the last quarter of the Patriots beat down of the Buffalo Bills. After that, it was a quick two block walk over to the convention center to sign in and get all of my convention information.

The sign in process was, in comparison to past conventions, super quick and easy. Even though sign in nowadays is typically done electronically, and I had my registration handy with scannable QR code, the nice woman behind the counter decided to do it all manually by cross referencing the printed out charts. I can appreciate this as an old school person myself. There was minimal traffic at the sign in booths at this time, but that could have just been due to the time of day.

Next up was the Sunday night kickoff event held at the Corona Ranch & Rodeo Grounds. Charter buses were provided which stopped at all of the convention registered hotels to provide transportation back and forth from the event. The location was a nice wide open setup with buffet tables throughout and a few bars to allow for intermingling. Although there was no rodeo, there was a mechanical bull available to make a fool of oneself on, and have no fear I did just that. The food was good, the dancehall was kicking, and it was a good way to meet a few new people and just a generally good kickoff for the convention.

Day 2

Monday morning was the grand opening of the product show floor, which I spent a full 4 hours walking around and checking out all that the convention had to offer as far as product displays and demonstrations. It really is pretty impressive seeing the sheer amount of vendors and products available for perusal, and almost all of the vendors are quick to give you any information you might be looking for. This is a great opportunity to check out new products and innovations in plumbing and plumbing related products, but also to ask any specific questions or address issues you may have had with products, as often some of the more senior members of the companies represented on the floor are on hand.

One thing I noticed during the first day of the product show, was that foot traffic appeared to be lower than in previous years, and that there were a few empty booths at the rear of the product show floor (including some that actually had vendor names on them, but nothing in them). I heard some scuttlebutt on sight that indicated the attendance was down at this convention, but not sure if this has been corroborated. My own personal feeling is that attendance was low due to the location. Not just Phoenix, which does leave a bit to be desired as a large destination city, but also due to lack of local engineering firms in the region. Long Beach is just south of Los Angeles and not far from San Diego, and Philadelphia is obviously a large city in the northeast with many other large cities nearby. Phoenix is in the middle of the desert. While it is the 6th most populous city in the country, and anchors a fairly large metropolitan area, there is not much else nearby.

Monday evening was the usual hospitality night of the convention, in which multiple vendors rent out local venues and host a thank you dinner, cocktail hour, dessert gathering etc. It is a way for the vendors and affiliates to say thank you to the members, and gives the members a chance to explore the area and mingle with our peers. I checked out a few of these, and say a big thank you to all the vendors who hosted any of the events. It is very much appreciated. This also gave me a chance to walk "downtown" Phoenix a little bit, and I found it very much wanting in urban amenities. Not going to bad-mouth the city too much, but there is a lot of work to be done here before this is a vibrant downtown.

Day 2

Tuesday was time for the educational seminars to begin, and the first one I attended was the "Domestic Hot Water Sizing" seminar, presented by J. Joe Scott, II, CPD, FASPE, LEED AP. This was not my first seminar where Mr. Scott was the presenter, and he was a lot of the reason why I chose this particular one. That, and there were no other seminars that particularly interested me at that time (unless you count the Arizona drinking water presentations that were pretty much a two-part seminar.) Mr. Scott is always an entertaining presenter who can keep the audience interested, and is very informative as well. The presentation consisted of a bit of history, changes in design over the years, as well as recent changes to energy codes and how they impact the plumbing engineer. Joe also does a great job of giving real world experiences to relate to.

My one negative take away from this seminar, was not Mr. Scott's personal opinion on the design of emergency tepid water systems, but that it was pushed a bit too much as how it should be done moving forward. I understand Mr. Scott has literally written the book (or at least made most of the most recent edits) on hot water heating, but his personal change in design does not represent a necessary shift in the industry and how we should design. I discussed this with him afterwards, as well as the misguided changes recently made by the MA Plumbing Board in regards to tepid water design as well. That is a matter for a separate write up however.

Aside from getting a little bit of work done while on the road, I took advantage of the product show to answer a few questions on Monday that would answer some outstanding RFI's I had on a large project I am currently working on. I think this is one of the true great aspects of the product show as I mentioned previously. I thought a product must exist to provide the solution I desired on my project, so I went right to the source. They confirmed the product I wanted existed, but it wasn't in their documentation or on their website (yet.) The vendor was able to get me cut sheets of the needed product, and I answered my RFI right there on the product show floor. While we all have our local vendor reps, they do not always have that up to the minute knowledge or ability to answer questions on the spot, through no fault of their own (sometimes the info just isn't readily available.)

Chris Curran (CPD in exile, pending renewal.)

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CALENDAR OF EVENTS

DATE	EVENT / HOLIDAY	LOCATION
February 1, 2017	Mass Plumbing Board Meeting Variances & Waivers, 1 st Meeting	1000 Washington Street, Boston
February 15, 2017	Lunch Monthly Meeting – ASHRAE 188 Standards on Legionella Risk Management Impact on Plumbing Industry	Boston Society of Architects 290 Congress Street, Boston
February 20, 2017	President's Day	HOLIDAY
February 22, 2017	Mass Plumbing Board Meeting Exam Waivers / CORI Reports, 2 nd Meeting	1000 Washington Street, Boston
March 1, 2017	Mass Plumbing Board Meeting Variances & Waivers, 1 st Meeting	1000 Washington Street, Boston
March 14, 2017	Monthly Meeting Garry Archsbult – RO/DI	Chateau – Andover, MA
March 29, 2017	Mass Plumbing Board Meeting Exam Waivers / CORI Reports, 2 nd Meeting	1000 Washington Street, Boston
April 5, 2017	Mass Plumbing Board Meeting Variances & Waivers, 1 st Meeting	1000 Washington Street, Boston
April 11, 2017	Joint Meeting with GBPCA Ed Flynn – Medical Gas Odor in Gas Line	The Lantana, Randolph, MA
April 26, 2017	Mass Plumbing Board Meeting Exam Waivers / CORI Reports, 2 nd Meeting	1000 Washington Street, Boston
May 3, 2017	Mass Plumbing Board Meeting Variances & Waivers, 1 st Meeting	1000 Washington Street, Boston
May 9, 2017	Monthly Meeting - Topic TBD & ELECTIONS	The Lantana, Randolph, MA
May 31, 2017	Mass Plumbing Board Meeting Exam Waivers / CORI Reports, 2 nd Meeting	1000 Washington Street, Boston

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