



**Next Meeting**

**TUESDAY, OCTOBER 20th, 2015**

**LUNCH MEETING**  
**BSA Space, 290 Congress St.,**  
**Boston, MA**

**MAIN PROGRAM**

*MIXING VALVES*

**SPEAKER**

**Mr. Peter Gobis III**  
**Leonard Valve Company**

**PROGRAM SCHEDULE**

<b>Social Hour</b>	<b>11:00 - 12:00</b>
<b>Check In</b>	<b>11:30 - 12:00</b>
<b>Speaker / Technical Session</b>	<b>12:00 - 2:00</b>

**MENU**

Boxed Lunches

**MEETING RESERVATIONS**

**\$20.00 ONLINE Reservation**

*(Please use the electronic invitation sent to you)*

**\$35.00 W/O Reservation**

**\$25.00 Call in Reservation**

**Retired & Currently Unemployed Members are Free**

Please reserve by **Friday, October 16th, 2015**

Contact Cathy @ W.P. Haney,  
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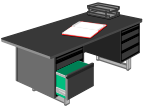
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**Boston Chapter Website** [www.aspebostonchapter.org](http://www.aspebostonchapter.org)



## President's Report

We had a successful September meeting. I thought it was a great presentation on Pressure regulating valves by Joseph Burke from Watts Water Technology.

Joseph Burke handed this out at the technical meeting Tuesday.

[http://documentation.emersonprocess.com/groups/public/documents/reference/d351798x012\\_05.pdf](http://documentation.emersonprocess.com/groups/public/documents/reference/d351798x012_05.pdf)

The most important thing I remember is that a lot of pressure regulating valves are oversized. Pressure regulating valves work better at medium to high flows.

Our Golf Tournament turned out great. Thank you to Jeff Gooding, Luther Thevenin, Vanessa Sisti-Brown, Rich Pokorny, Rich Dean, John Callahan Pat McAuliffe, Bill Brady and tournament photographer Manny Garcia. Thank you golf committee for your hard work! Somehow you even pulled off providing us with perfect weather. To all the golfers and sponsors thank you for supporting ASPE Boston Chapter. Refer to ASPE Boston Chapter Annual Golf Tournament article inside for sponsor information, tournament results and pictures.

I hope to see you at our October lunch meeting.

Plan ahead our Biennial Product Show and Technical Seminars are November 10. The Product show floor will be open from 3:00 to 8:30. We are offering one all-day seminar, two 2 ½ hour seminars and five 1 hour seminars. Please go to [www.aspebostonchapter.org](http://www.aspebostonchapter.org) for additional details and to register. If the Attendee Information page has not been updated yet check the Upcoming Events pull down. I hope to see you at the Product Show.

We work for you.

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

### New! ASPE TEXT ALERTS

As part of ASPE's ongoing efforts to streamline member services, members now have the option to receive membership renewal reminders via automated SMS texts. We recognize that our members' time is valuable and that not everyone checks their snail mail and email on a daily basis for the membership renewal invoice, so we are introducing the SMS renewal reminder as a free service.

If you opt-in, two messages will be sent to your cellphone if you have not renewed your membership. The first message will be sent fifteen days prior to your membership expiration date, and the second message will go out on the day of the expiration date. You will be provided with a number to call in your membership renewal payment in addition to a link that will connect you to our online renewal system.

If you would like to participate, please click here: <https://aspe.org/user>. Log in with your username and password, add your cellphone number to your record, and please make sure you click the "opt in" box, which will give ASPE permission to send you renewal reminders via SMS.

If you have any questions, please contact Stacey A. Kidd, Director of Membership & Meetings, at [skidd@aspe.org](mailto:skidd@aspe.org).

Note: SMS text messaging will not take the place of all retention efforts. ASPE members will continue to receive their renewal invoice via mail and email.



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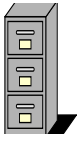
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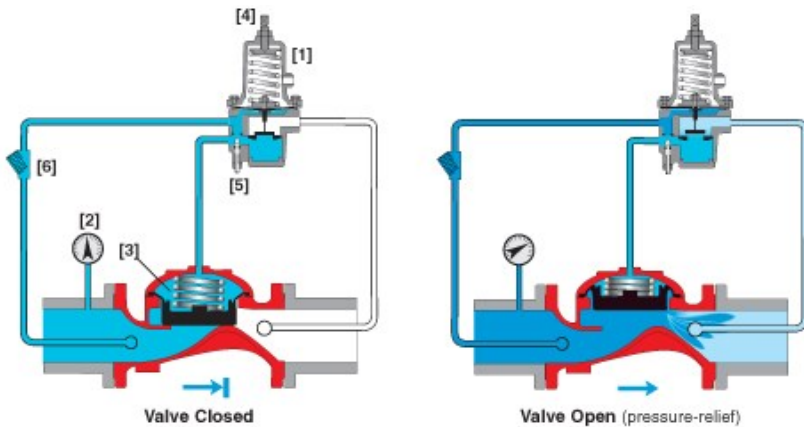
# Technical Report

## September Meeting Wrap-up

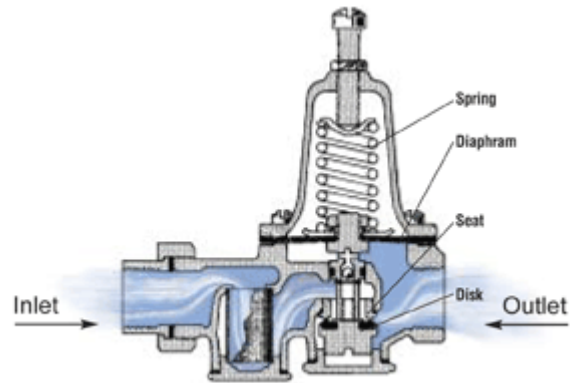
This past month we welcomed Mr. Joseph Burke PE to our chapter's monthly meeting. Joseph talked about the differences between automatic control valves (ACV) and direct operating PRV's. He also went into detail of how to install, size, and the anatomy of PRV's. Notably, ACV's are used in commercial applications only, this is primarily due to the large amounts of flow, and constant pressure over a wide range of flow. ACV's also have more options available to the specifier. The ACV's start out at a minimum size of 3" and go up to 24"; they come in flanged, threaded and grooved connections. Whereas direct acting PRV's are mainly used in residential and small commercial applications. They are available up to 3" and come in threaded or sweat connections.

Joseph highly recommends that PRV's should be installed horizontally; however PRV's that are 8" or less can be installed in the vertical. If you are planning on installing a PRV in the vertical it is then recommended that you coordinate this with the manufacturer. To size a PRV you will need the inlet and outlet pressures, the min and max flow. Once you have this information you can size the valve either on a chart or a graph provided by the manufacturer. When sizing make sure you take consideration for cavitation, static vs dynamic pressure losses, intermittent low flow, and finally parallel installations.

A PRV is made up of the pilot, adjustable speed control, and the orifice. The pilot controls the pressure in the cover. The adjustable speed control the flow of water to open or close. The orifice restricts flow to the cover and the pilot. Without the orifice the pilot can flood the main valve causing it to close. The orifice is always painted red.



(Picture above is an Automatic Control Valve (ACV))



(Picture above is a direct acting (PRV))

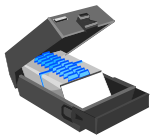
## October Technical Topic and Meeting

The October technical topic will be on Mixing Valves. This meeting will be a lunch time meeting held on October 20, 2015 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 ASSE Standards, IPC/UPC overview, lead free applicability to mixing valves, and finally recirculation and troubleshooting issues. The session will be presented by Mr. Peter Gobis III from Leonard Valve Company. Mr. Gobis graduated from Worcester Polytechnic Institute in 1997 with a BS in Civil Engineering, and then received his MBA from Providence College in 2005. Mr. Gobis has been with Leonard Valves since 2007 and he is actively involved in product development, along with leading mixing valve training sessions nationwide with engineers and contractors.

November we will not be having a month meeting; however we will be having our Biennial Product Show & Education Seminars on November 10, 2015 located at Lantana in Randolph MA. Please check out the website for more information <http://www.aspebostonchapter.org/>

Best Regards,

Ed Nadeau, VP Technical, ASPE Boston Chapter



# Membership News

## Membership Update

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

Michael Augusta	C3 Engineers	Boston	Associate Member
Danette Delia-Siegel	Gustavo Preston	Boston	Full Member
Michael Bergman	AHA Engineers	Lexington	Associate Member
Kirk Mellits	Symmons Industries	Braintree	Associate Member
Troy Locke	Viega	Nashua, NH	Full Member

## Membership Renewal Change

Society has decided to reinstitute the policy of mailing renewal notices and invoices to its members. The move to only use email notices has proven to be a miserable failure. It is my understanding that a large number of members have switched jobs, or changed email addresses without informing their chapter or Society. I know that to be the case with many Boston Chapter members. Unfortunately it isn't until I receive an undelivered newsletter or email that we know a member isn't getting their chapter correspondence. Please let me know if you are going to change your mail or email addresses. You can also log onto the ASPE website ([www.aspe.org](http://www.aspe.org)) and change your contact information online. It only takes a minute or two.

If you know a co-worker that is no longer a member but might be considering rejoining, please let them know that for a limited time they can rejoin for only half price. The easiest way is to register online, but you can always call Society directly if you prefer or have any questions.

## Check Your Newsletter Mailing Label

That's right, look at your label on the cover of this newsletter. Go ahead, do it now, I'll wait...

Did you see your email address printed right below your name? Is it correct? Is it your preferred email address? If not, please let me know what your correct and preferred email address is. We try our best to maintain an up to date email address data base but we need your help in doing so. The Boston Chapter will never share your email address (or mailing address) with anyone else. It will be used only for official Boston chapter correspondence.

If you aren't getting monthly chapter meeting reminders then there may be an issue with your email server's firewall. We would like to know that as well so we can correct it. If you have any questions just email me at [johnc@jhpokorny.net](mailto:johnc@jhpokorny.net)

## IMPORTANT: Monthly Meeting Date and Location Change

Please note that the next chapter meeting will be a NOONTIME meeting held in downtown Boston, on Tuesday OCTOBER 20<sup>th</sup>, which is the 3<sup>rd</sup> Tuesday of the month.

The meeting will be held at the BSA Space, 290 Congress Street, Boston, MA. Our meeting and technical presentation will be held in the Fort Point Room on the 2<sup>nd</sup> Floor. Lunch will be provided.

It is important to note that the intent is to minimize your time away from your office so we will try to make it as quick a meeting as possible. Arrive, sign in, grab a boxed lunch and make yourself comfortable seated at one of the tables. The technical presentation will start on time so please be punctual.

The BSA Space on Congress Street is located directly across from the Federal Reserve Building, one short block from South Station. While there is a public parking garage two doors away, it is recommended that you utilize public transportation if possible. Hopefully it will be a nice day and you can walk from your office.

### Driving:

Enter 290 Congress Street, Boston, MA 02210 into your GPS or other mapping resource.

Once you arrive on Congress Street, there is a parking garage between Sorelle Café & Boloco (282 Congress Street and 284 Congress Street) proceed down the ramp for parking.

After parking in the garage, take the "290 Congress Street/Waterfront Square" elevator to the 2<sup>nd</sup> Floor the room will be on your immediate right.

### Public Transportation:

The closest MBTA (subway)/Commuter Rail/Amtrak stop is South Station. (Indicated by the T in a circle on the map below)

Exit South Station and cross Summer Street and walk up Atlantic Avenue to the next block/set of lights at Congress Street.

Take a right on Congress Street and walk towards Smith and Wollensky restaurant.

Just before you get to the restaurant, the entrance to 290 Congress Street will be on your left. (Indicated by the arrow on the map below)

Once inside, you will see an entrance to Boloco on your left, please proceed straight towards the stairs or into to elevator onto the 2<sup>nd</sup> floor (the room will be in front of



### Parking Rates

Day Rates	
Up to 1/2 hour	\$8.00
Up to 1 Hour	\$15.00
Up to 1 1/2 hours	\$28.00
Up to 2 hours	\$32.00
Up to 10 hours	\$37.00
Up to 24 hours	\$40.00

### Nightly Rates (5 pm- 3 am)

Monday- Friday	
Flat Rate	\$12.00

### Weekend Rates

Sat/Sun (5 am to 5am) Flat Rate	\$12.00
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By John Callahan, CPD, V.P. Membership, Boston Chapter ASPE

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## Legislative Report

There are many plumbing terminologies that are used in the plumbing industry. Some of these terminologies might not be familiar to you. The following are plumbing terms and definitions that you may encounter in the plumbing design and engineering industries.

**Backing ring:** A metal strip used to prevent melted metal, from the welding process, from entering a pipe in the process of making a butt-welded joint.

**Baffle plate:** A tray or partition placed in process equipment or tanks to direct or change the direction of flow.

**Bonnet:** That part of a valve that connects the valve actuator to the valve body; in some valves, it may also contain the stem packing.

**Bronze trim or bronze-mounted:** An indication that certain internal (water contact) parts of the valves known as trim materials (stem, disc, seat rings, etc.) are made of copper alloy.

**Bubble tight:** The condition of a valve seat that prohibits the leakage of visible bubbles when the valve is closed.

**Bull head tee:** A tee in which the branch is larger than the run.

**Burst pressure:** That pressure that can slowly be applied to a valve at room temperature for 30 seconds without causing rupture.

**Capillary:** The action by which the surface of a liquid, where it is in contact with a solid, is elevated or depressed, depending on the relative attraction of the molecules of the liquid for each other and for those of the solid.


**Digestion:** That portion of the sewage treatment process where biochemical decomposition of organic matter takes place, resulting in the formation of simple organic and mineral substances.

**Drain field:** The area of a piping system arranged in troughs for the purpose of disposing unwanted liquid waste.

**Evapotranspiration:** Loss of water from the soil by both evaporation and transpiration from the plants growing thereon.

If you are interested in learning more plumbing terminologies and their definitions, they can be found in the ASPE Plumbing Engineering Design Handbook Volume 1 .

Luther Thevenin, CPD, VP Legislative



Patrick J. Haney

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# ASPE Boston Chapter 2015 Annual Golf Tournament

A big thank you goes out to this year's participants of the ASPE Boston Chapter Annual Golf Tournament! This year we drew a record 128 golfer and 26 sponsors! The tournament was held at the Wayland Country Club in Wayland, MA. The golf course was in great shape and with temperatures in the high 80's and low humidity; we had some of the best weather in recent memory. The tournament started promptly at 7:30am despite the large field of golfers. The participants were treated to hot dogs at the turn and then a buffet dinner after finishing the course.

We would like to thank the following companies for their donations and participation. Please consider supporting our benefactors.

**Breakfast Sponsor:** *ECO Specified Products, Kevin Lally & Craig Blaine.*

**Hole in One Sponsor:** *J.H. Pokorny*

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Emerson Swan	American Standard	
PHCC of Greater Boston/Greater Boston Plumbing Contractors Association (they sponsored 2 holes!)		

### The golfers who had a notable day:

**Nearest to the hole for ladies:**  
*Danette Siegel*

**Nearest to the hole for men:**  
*Jim Polando*

**BEST FAMILY PHOTO**  
The McCarthy boys; (pictured L-R) Greg, Anthony, & Cullen.



**Longest drive for ladies:**  
*Christine Linnehan*

**Longest drive for men:**  
*Andrew powers*



**1st PLACE:** Team Urell - Score Of 59  
(L to R) Andy Powers, Gary Grillo, Rich Vallalry, Ben Lauletta



**2nd Place:** Team EM Duggan - Score of 62  
(L to R) Brian Phingston, Mike Gillis, Christine Linnehan, & Kevin Walsh



**3rd Place:** Team Gooding - Score of 63  
(L to R) George Gooding, Tim O'Connell, Paul McCullough & Derek Garretson.

We are looking to build on this success for next year's tournament and hope to see you there! Again, thank you all for your time and support of the Boston Chapter.

Sincerely,

**The Boston Chapter Golf Committee**

Co-Chairman Jeff Gooding & Luther Thevenin.

Committee Members: Patrick McAuliffe, Manny Garcia, Kevin Lally, Vanessa Sisti-Brown, Rich Dean, John Callahan, Rich Pokorny



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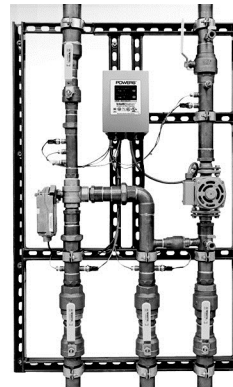
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"How many people are there that still don't know how a sensor faucet works that it justifies posting a sign?"





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### Sr. Plumbing/Fire Protection Engineer (Design) - Framingham, MA

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This is a full-time position and with an excellent salary and benefits package.

#### Responsibilities:

- Strong understanding of engineering lifecycle related to Plumbing/Fire Protection deliverables.
- Work directly with lead engineers to design Plumbing/Fire Protection systems for Biotech and Pharmaceutical clients.
- Detailed design experience for Plumbing/Fire Protection systems.
- Layout and size equipment on floor plans.
- Responsibilities will likely include demonstrated understanding of utilities, plumbing, lab waste piping, fire protection, etc.
- Ability to coordinate and interact effectively with other MEP disciplines.
- Identifying deliverables, defining requirements, creating design drawings.
- Develop technical specifications and layouts while working in tandem with project managers and engineers across multiple disciplines.

#### Qualifications:

- Must be a licensed P.E.
- Bachelor's degree in Plumbing/Fire Protection or Mechanical Engineering.
- 10+ years of facility design and construction in clean room, laboratories, biotech, pharma, or Life sciences industries.
- Strongly motivated, well organized, and shows professional initiative.
- Takes ownership of assignments, can work both independently and as part of the team.
- The ability to work independently as well as in a team environment effectively.
- The ability to work in a fast-paced and challenging environment.
- Excellent organization skills with the ability to manage multiple tasks simultaneously.



DPS Engineering

Contact Information:  
Michel M. Awadalla, P.E., LEED®AP  
Department Manager,  
Mechanical Electrical & Plumbing

Framingham Office: +1 508 532 6760 x21  
Direct Dial: +1 508 861 3711  
Mobile: +1 508 808 8698  
[www.dpsgroupglobal.com](http://www.dpsgroupglobal.com)

## CANNONDESIGN

CannonDesign has an exceptional opportunity for a Plumbing and Fire Protection Engineer in our Boston office.

We are on the leading edge of integrated sustainable design and the use of virtual environment modeling and building information modeling.

If you are a self-motivated, goal-driven engineer interested in the exciting growth fields of science and technology, health care, and education, then we would like to talk with you.

You will prepare construction drawings and specifications for Plumbing/Fire Protection systems, perform and direct design of plumbing and fire protection systems design using Revit. You will also be responsible for field inspection of projects under construction. The position requires experience in the design of plumbing, laboratory/medical gas, kitchens, fire protection, and other specialty systems for institutional and healthcare facilities. The successful candidate must have experience presenting solutions to project teams and clients.

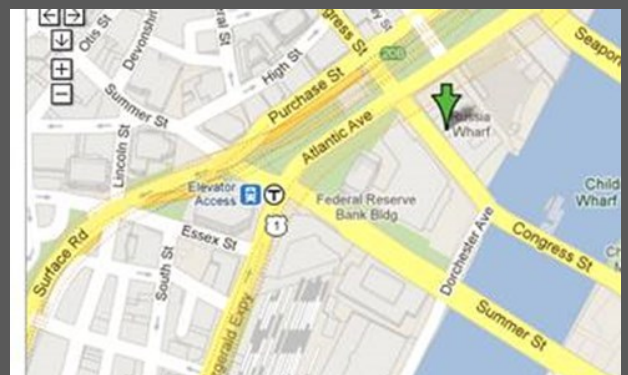
A Bachelor's Degree in related field desired. 7+ years of experience is necessary. Strong communication and interpersonal skills are essential. Proficiency with BIM applications and REVIT experience desired. PE and LEED preferred.

Qualified candidates should upload resumes and portfolio materials through our career portal located at [www.cannondesign.com](http://www.cannondesign.com).

CannonDesign recognizes the value of diversity in our workforce. We are committed to equal opportunity. We consider all qualified employment applicants without regard to race, creed, color, gender, national origin, sexual orientation, partnership status, veteran status, disability status, or any other status protected by federal, state, or local law.

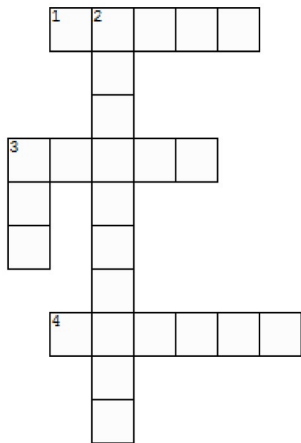
## MARK YOUR CALENDARS!!! LUNCH MEETING

**OCTOBER 20th - 12-2pm**  
**BSA Space, 290 Congress St.,**  
**Boston, MA**



# ASPE CROSSWORD PUZZLE

Oct. 2015



## Across

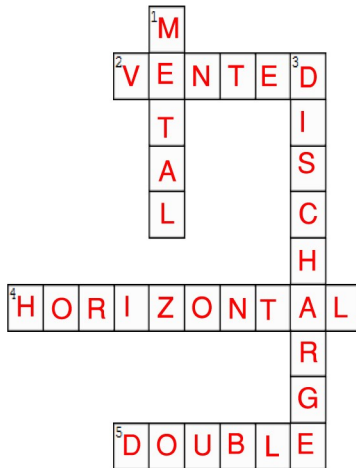
1. No more than \_\_\_\_\_ toilets on a three inch building drain
3. The minimum required air gap shall be \_\_\_\_\_ the effective opening of a potable water outlet
4. The maximum distance between \_\_\_\_\_ shall not exceed 60 feet intervals

## Down

2. No more than two toilets on a \_\_\_\_\_ fixture branch
3. No portion of the drainage system installed underground shall be less than \_\_\_\_\_ inches in diameter

Answers will be posted in the Nov. 2015 news letter

Answers from Oct. 2015 crossword



## Lubrizol



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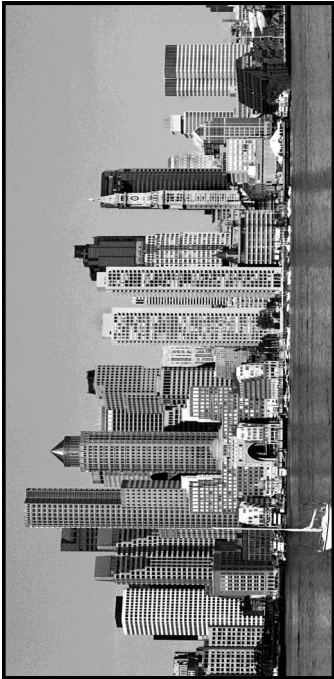
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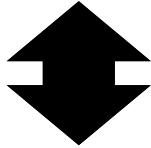
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**A.S.P.E.  
P.O. Box 111  
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**Boston Chapter - AMERICAN SOCIETY OF PLUMBING ENGINEERS**

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