

January 2021

President's Report

Hello to all ASPE Members and friends, 2020 ASPE Digital Experience Exceeds Expectations

Were you able to join us for the **2020 ASPE Digital Experience**? Thousands of industry professionals from all over the world spent time in our online Expo Hall on December 1-3 to chat with our nearly 100 exhibitors and learn about their new plumbing products and technologies. ASPE members also were able to listen to our keynote speakers and live technical sessions, as well as network with speakers and other attendees in our breakout sessions.

If you weren't able to join us live, don't worry. The Expo Hall and technical sessions will be available until January 31, 2021. You can sign up and view them at your convenience at expo.aspe.org.

Looking forward to our "Virtual" meeting next Monday, Jan. 11th.

ASPE's [Certified in Plumbing Design \(CPD\) program](#) offers the only international credential for engineers and designers of plumbing systems. [Registration](#) is open for the 2021 exam, which will be held via remote proctor on April 5-16. If you would like to participate in a review class please reply to me or one of the other officers.

Please start to think about future meetings:

1. Would you like to start in-person meetings in March or April?
2. Meeting might need to be limited to the first

- 30 or so people (at Spaghetti Warehouse).
3. We are considering a Hybrid where some of us can meet together but others can join remotely.
4. We may need to search for a new location with a larger meeting room.

Please reply to me with any reactions to, or questions about the statements listed above.

Of course, all our planning will be just "penciled in" for a while. We are planning for on-line meetings at least from now until March.

(Continued on page 3)

January WebEx Technical Presentation

January 11th, 2020

12:00 PM—1:00 PM

Free— members; \$25.00— non-members

**SUBJECT: Alternatives to Conventional
Water Softening**

**SPEAKER: Jonny Seccombe,
Aqua-Rex**

Jonny Seccombe is the President of Aqua-Rex. He has worked in the water treatment industry for over 25 years, specializing in investigating alternatives to conventional water softeners. He has a degree from Oxford University in Geography and Geology and currently consults with the Engineering department of the University. Jonny lives in the UK but normal times spends about half his time in the US, training, lecturing and writing about water softener alternatives.

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By the way, A is the other guy.



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(Continued from page 1)

Also, start thinking about the elections next May. I will not be running for re-election due to term limits. Please consider joining our Board of Directors. We need some new (younger) blood rather than just "shuffling the deck" with the same board members.

Hope you can stay busy without being crazy-busy.

Stay safe and keep your "Social Distance". I was exposed recently and have been tested. The results were negative but my brother and his wife had to fight it off for a couple weeks.

Bill Deardurff

President



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VP Technical—Mike Nickoson

For the January presentation we will be welcoming Jonny Seccombe, President of Aqua-Rex. He will speak about alternatives to conventional water softening. This will cover understanding chemistry of hard water, effects of scale on plumbing systems, ion exchange softeners pros and cons, alternatives to salt softeners and an overview of how physical water conditioners work.

Jonny has worked in water treatment industry for over 25 years, specializing in investigating alternatives to conventional water softeners. He has a degree from Oxford University in Geography and Geology and currently consults with the Engineering department of the University. Jonny lives in the UK but normal times spends about half his time in the US, training, lecturing and writing about water softener alternatives.

Mike Nickoson

Vice President Technical

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VP Education—Brad Fitzsimmons

Upcoming Webinar – Basic Algebra for Plumbing Systems Class

January 30, 2021 11:00 AM (EST)

This program provides an introduction into the basic algebra needed in the design a few plumbing system. We will review and gain a greater understanding of how and where to use these calculation during your design. In addition, we will work through the sample examples of each system discussed.

Content Outline:

- Sump Pump Sizing – 10 minutes
- Natural Gas Sizing using the Spitzglass and Weymouth Formulas – 10 minutes
- Finding flow and velocity in storm drainage systems using the Manning Formula – 10 minutes

- Domestic Water Booster Pump Sizing – 10 minutes
- Finding the flow in a fixture outlet – 10 minutes
- Hot & Cold Water Mixing – 10 minutes
- Pump Affinity Laws – 10 minutes *** If time allows ***
- Sizing Storm with GPM – 10 minutes *** If time allows ***
- Stack Capacity Sizing – 10 minutes *** If time allows ***

Learning Objectives:

Upon successful completion of the course learners will be able to:

- Navigate through the basic algebra needed to work through designing plumbing systems.
- Gain a better understanding of how to manipulate these basic algebra formulas to help your design be the most efficient and cost

(Continued on page 6)

AT LAST – IT'S ARRIVED!

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Case Study: Panorama Towers, Las Vegas, NV.

Cost to install: **\$55,000 ✓**
Savings over conventional softener in year one: **\$168,000 ✓**
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Annual Running Costs: **\$200**

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TEST REPORT

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<http://www.iapmoril.org>

Report Number: 2516-18001-002

Project No.: 20225

Report Issued: February 26, 2018.

Client: Aqua-Rex
3301 Spring Mountain Road Ste 18
Las Vegas, NV 89102

Contact: Jonny Seccombe

Source of Sample: The samples were shipped to IAPMO R&T Lab from Aqua-Rex, and received in good condition on October 11, 2017.

Date of Testing: October 25, 2017 through December 15, 2017.

Sample Description: Scale Prevention Device, model: Aqua-Rex WK1-E.

Scope of Testing: The purpose of the testing is to determine the efficacy of the Scale Prevention Device per section 5 of IAPMO IGC 335-2018, entitled "Rapid Scaling Test for Scale Prevention Devices".

CONCLUSION: **When tested per Section 5 of IAPMO IGC 335-2018, Aqua-Rex WK1-E reduced scaling by 85% when applied to Las Vegas water tested to 100°F.**

Tested by,

Reviewed by,

Hank Nish, Project Engineer

Sean Vu, P.E., Manager, Specialty Projects

(Continued from page 5)

effective system possible.

The class is being held on January 30 at 10 am CST and awards 0.15 CEUs for participation. The class is limited to 25 students, and it is not being recorded due to the nature of the class and the breakout rooms.

This class may be repeated depending on demand.

Pricing:

ASPE Members - \$70

Nonmembers - \$130

ASPE Read Learn Earn

Every month ASPE publishes a new 12-question quiz with an accompanying chapter or article from one of our publications. Each quiz is available for twelve months. Each quiz is free for ASPE Members and \$35 for nonmembers.

Through this special series, ASPE can help you accumulate the CEUs required for maintaining your Certified in Plumbing Design (CPD) or Certified Plumbing Design Technician (CPDT) status or numerous regulatory-agency CE programs.

January – Compressed Air Systems

Visit <https://education.aspe.org/RLE> to register

Brad Fitzsimmons

Vice President Education

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Region 2 Affiliate Liaison - Dann Holmes



Region 2 Affiliate Report

ENOUGH, PUT A FORK IN IT

2020 has been one of the longest years in history. Certainly, it has been for me. It seems everything that could possibly go wrong, did go wrong. We even had to add an extra day (leap year) just because we were not getting enough of a good, bad thing. Can we put a fork into 2020 already?

I could easily list hundreds of examples that have tried our patience, our souls, our health, our weight control and physical exercise regimens. These include time not spent with family, friends, schooling, shopping, restaurants, exercising, sporting events, industry events, mentoring and socializing, but I don't need to. You have lived through this too.

Depending on when you get time to read this article, the year is not over, not yet. In fact, the daily blast of good, bad news continues. The UK has just announced they have identified a new variant of the SARS-CoV-2 virus. According to Dr. Jeremy Farrer a prominent UK doctor, this is to be expected as this is an RNA virus and these viruses mutate and change. As of now, don't expect this variant to bring any new challenges, but then again, consider all that has happened. If I was a betting man, and I am not, I would not take this bet.

RECIPE FOR POSITIVE MESSAGING

Okay, enough of the written display of depression. This is the season we celebrate Hanukkah and Christmas. We have plenty to be thankful for.

Say what? Hear me out. Many generations before us have had to endure much worse conditions than us and with much less to work with. Regardless, these trying times have forced us to adapt to new ways of conducting our personal and working lives. We've needed to become more creative!

Some of this new normal is not settling in all that well with me. On the other hand, I have been able to really develop new techniques that I do not want to give up if we do get back to the "old" normal.

We have heroes living amongst us They are loved ones, your neighbors, friends, the person in the corner apartment that is "never home". Medical professionals that have performed yeoman's work caring for and treating patients suffering from the coronavirus.

We have witnessed one of the greatest pharmaceutical successes in history, if not the greatest. 9-months ago, all we heard was a vaccine would not be possible until mid, to late 2021 at the earliest. Those that pushed to say it was possible to not only say we would have a vaccine ready, but also distribute it to citizens by the end of the year were maligned.

Many scoffed at the logistics planned to execute this supply chain miracle. Today, we have millions of doses of the vaccine being injected into our frontline healthcare professionals, the elderly and those most prone to severe reactions to the virus due to their age and/or those suffering comorbidities.

Think about what the trucking industry has done for us this year! You get delivers to your door from just about any vendor you would have driven to just a few months ago. Toilet paper. Do you have toilet paper now? We do. Thank the supply chain and a truck driver. I still can't wrap my head around the TP shortage, but we made it.

Now, take time out to say thanks for all the great things that have come your way this year. And let's hope we don't have to buckle ourselves in for a challenging 2021. Thank you all. Happy Hanukkah and Merry Christmas to you and your families. God bless you.

Dann Holmes* – ASPE Region 2 Affiliate Liaison
NSF International – r2al@aspe.org

*Views disclaimer: the views, thoughts, and/or opinions expressed in this article belong solely to the author, and not necessarily to the author's employer, any organization, committee, or other group or individual.

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Region 2 Affiliate Liaison — Dann Holmes



Region 2 Affiliate Report

Settling In

Region 2 Director, Steve Kormanik, CPD, GPD is hard at work learning the ropes interacting with the ASPE Board of Directors (BOD). To begin with, meetings are now virtual which brings new challenges like having to get a new computer, loading programs, and trying to get everything to work properly. Fun.

On a recent Region 2 Presidents' conference call, Steve recognized and congratulated the chapters and individuals that help make us the best region in ASPE.

Steve also reiterated the Free Webinars available to our ASPE members. If you are not yet a member, the education available to you is priceless. Find a way to sign up now because non-members will need to pay \$25/webinar. CEUs will be available to you too.

ASPE is seeking feedback, comments and suggestions from Delegates who attended the Virtual Business Meeting. The BOD wants input to review and will be looking for ways to improve and enhance future virtual meetings. This is a learning process we are all experiencing.

If you are accustomed to receiving the ASPE Plumbing Engineer Magazine in your mailbox, look no further. ASPE and TMB have severed their contract of many years. Expect to see the ASPE Pipeline become your go-to-site for everything related to plumbing engineering. If you haven't already done so, bookmark it now. Visit www.aspe.org, login, and click on the Publication & News tab and then the ASPE Pipeline link. Ultimately, this will be a great opportunity for ASPE to increase our content and messaging. You may wish to add content here at some point in the future. Stay tuned.

Coming soon is the Virtual 2020 ASPE Expo & Technical Sessions. These will happen on December 1, 2, & 3 and will also be free to members. I'm registered, are you? If not, do it now!

Keep an eye out for one of Steve's early goals of his term, a Region 2 calendar. The intent will be to include chapter meetings, events, activities and other special dates of interest. He is collecting data from our chapters now and building a template around the information we will want to know.

I wish all of you a wonderful Thanksgiving Day celebration with your family members while continuing to practice thorough hand washing and physical distancing. Why physical? Because we still need to be social.

Dann Holmes* – ASPE Region 2 Affiliate Liaison
NSF International – r2al@aspe.org

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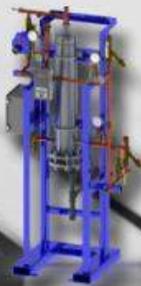
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ASPE CENTRAL OHIO CHAPTER 2020-2021 MEETING and EVENT SCHEDULE

September 14, 2020	Laboratory Gas Systems
October 12, 2020	Acid Waste Pipe
November 9, 2020	Electric Tankless Heater Design Applications and Pitfalls
December 14, 2020	Commercial Valves 101
January 11, 2021	Water Conditioning
February 8, 2021	Not All Alloys are Created Equal
March 8, 2021	MedGas—Choosing the Technology
April 12, 2021	Pipe and Equipment Insulation
May 10, 2021	TBD

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