

Chapters are not authorized to speak for the Society, the views and opinions of this Chapter are those of the respective authors and do not necessarily reflect the official policy or position of the Society or its staff.



MAY NEWSLETTER



INSIDE THIS ISSUE:

Greetings from the Board
Page 2

Technical
Page 2

Membership
Page 3

Industry Ads
Page 4-16

Industry Opportunities
Page 17

News
Page 18

Education
Page 19

BOARD OF DIRECTORS:

President

Joshua H. Landis - Moseley Architects
jlandis@moseleyarchitects.com

Vice President Technical

Jeff Bew - AKF Group
jbew@akfgroup.com

Vice President Legislative

Istvan Godri Martis - WSP
istvan.godri-martis@wsp.com

Vice President Membership

Robert V. Grubbs - Alliance Engineering
r.grubbs@allianceengineering.com

Treasurer

Eric C. Scott - Lu + Smith Engineers
escott@lengineers.net

Administrative Secretary

Jay Otto – Otto Sales
jayotto@ottosales.com

Corresponding Secretary

Robbie Shearon - Baskervill
rshearon@baskervill.com

Newsletter Editor

Cydney Johnstone – The Joyce Agency
cydney@thejoyceagency.com

Chapter Affiliate Liaison / Resource Enhancement Chairperson

Bill Lesemann, Jr. – W.G. Lesemann & Assoc.

Education Committee Chairperson

Tina M. Capece – Mason & Hanger
tina.capece@masonandhanger.com

ASPE Young Professionals

Richmond Chapter Liason
Peter Pastore - AC Controls
peter.pastore@accontrols.com

GREETINGS FROM THE BOARD

President's Message

2019-2020 ASPE Richmond Chapter Season

It is with a heavy heart that I'm relaying the passing of one of our members, and a personal mentor and friend of mine. May 6th, 2020 Glenn Rose passed away unexpectedly.

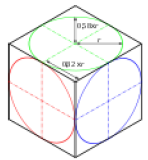
I had the pleasure of working with Glenn for the better part of a decade and sat right in front of him at Hankins & Anderson. While he generally seemed quiet at the office, he and I would talk all the time. He would often talk about his daughters and you could tell how proud of them he was by the way he spoke of them. I genuinely cherish our time together and the knowledge he passed on to me, and I know he had a large role in shaping a number of our engineering careers, including my own. He will truly be missed by all who knew him, but we were all blessed for having him in our lives.

Memorial Page

www.lastingmemories.com/memorial/glenn-edward-rose

Joshua H. Landis, CPD
President, ASPE Richmond Chapter

VP TECHNICAL - JEFF BEW



Due to the current COVID-19 situation the meeting below is being rescheduled for a later date. We will let you know more once we know when our normal meeting schedule will resume.

- May 13th: The Future of Digital Mixing Valves
(Chesapeake Systems - Frank Marsh)

VP MEMBERSHIP - ROB GRUBBS



It's never too late to join ASPE! The monthly meetings are just one of the advantages to becoming a member. Current members, please encourage your colleagues to attend our monthly meetings and consider joining the ASPE family. Visit <https://www.aspe.org/join> for more information.

NEW MEMBERS ANNOUNCEMENTS

LET'S CELEBRATE! 

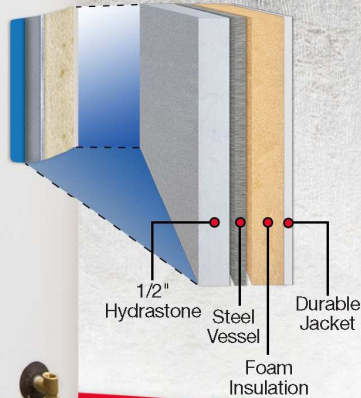
BIRTHDAYS

John Cutright	5/2
Stan Hunt	5/21

ANNIVERSARIES

Dave Moore	5/15/1989
Michael Murphy	5/19/2017
Teodora Pashova	5/16/2018
Matthew Caparrelli	5/20/2019
Christine Street	5/21/2019

GREAT LEADERS ARE CARVED IN STONE



Hubbell HydraSTONE, a true LEADER

Through 3rd party analysis provided by Nationally recognized Utility Rental Programs using Hubbell Hydrastone lined tanks found over the past 60+ years an average life span of over 20+ years. In fact, the longest running tank that we are aware of has over 60 years of service and is still going strong!

- 1/2" thick Hydrastone cement is 100x thicker than glass
- Highly resistant to corrosion from harsh effects of hot water
- No sacrificial anode rod is require

Hubbell water heaters are available in electric, gas, steam and indirect.

Represented by:



Bay Associates Group | 1432 Front Ave | Lutherville, MD 21093 | P: 410.825.6616
For More Information: Contact - Eric Geisendaffer eric@bayassociates.com

Hubbell™

WATER HEATERS

hubbellheaters.com

Superior Reliability with the Industry's Best Warranties



Power VTX®
500 to 1000 MBH
225 gallon tanks



Conquest®
199 to 1000 MBH
100, 130 gallon tanks

PVI's Conquest and Power VTX are two of the most reliable condensing water heaters for the commercial market. With 96% efficiency, Conquest and Power VTX feature tanks and heat exchangers fabricated exclusively from AquaPLEX® duplex stainless steel, and are backed by a 15-year tank warranty (8 years full, 7 years prorated). Learn more at pvi.com.

Represented by:
Bay Associates Group
bayassociates.com
Contact: Eric Geisendaffer
Eric@bayassociates.com

AquaPLEX®
Engineered Duplex Alloy



800.784.8326 | pvi.com

INDUSTRY ADS



VIRGINIA

Manufacturer's Representative Since 1984.

Celebrating Over 35 years!



Condensing & Non-Condensing Boilers and Water Heaters for Natural Gas, Propane or Natural Gas/Propane Dual-Fuel Applications, up to 6,000 MBH.

www.camus-hydrronics.com



Semi-Instantaneous water heater products used to generate domestic hot water using Boiler Steam or Boiler Hot water.

www.aceheaters.com



Aldrich Company serves the global market as a premier manufacturer of firetube boilers for a wide range of commercial and industrial applications. Oil and gas fired 15 PSI steam.

www.aldrichco.com



Tranter Plate and frame heat exchangers for the HVAC Commercial Market in a variety of sizes and material configurations.

www.tranter.com



Air Elimination Equipment, Filtration, Hydro Pneumatic Tanks, Glycol Make-Up, Hydronic Expansion Tanks, Storage Tanks, Thermal Expansion Tanks.

www.westank.com



Chimney Automation Systems, Modulating Combustion Air Fans, Modulating Overdraft Dampers & On-Demand Fans for Dryers, Kitchens & Bathrooms.

www.enervex.com



Vertical/Horizontal Storage Tanks, Hot Water Generators, Buffer Tanks, Electric Power Water Heaters, Bladder Tanks, Powered Anode Systems, Built to order Tanks.

www.nilesst.com



Round / Oval Breeching & Stack for Boilers, Water Heaters, Generator Exhaust & Kitchen Grease Duct. Building Supported & Freestanding, Engineered Stack Capabilities.

www.schebler.com



Providing dependable products to the HVAC industry. Committed to bringing the best and latest in HVAC technology from all over the world. UEP is a Stocking Master Distributor—WE HAVE STOCK

www.wheatleyhvac.com



Single Wall, Flexible and Concentric Polypropylene flue gas venting.

www.centrotherm.com

Virginia's boiler, water heater, and venting specialists!

Keith Workman * 804-350-7635 * keith@uepsales.com

Chris Lombard * 804-334-6844 * clombard@uepsales.com

804-288-0960 www.uepsales.com

INDUSTRY ADS

CHARLOTTE
PIPE AND FOUNDRY COMPANY

CHARLOTTE PIPE IS PROUD TO OFFER A FULL LINE OF
CAST IRON PIPE & FITTINGS MADE RIGHT HERE IN THE USA.

1-800-438-6091
visit www.charlottepipe.com



96107_CPF_Richmond_ASPE.indd 1

11/25/19 1:58 PM

Experience the **DIFFERENCE**



The IPEX Advantage

As one of the world's leading manufacturer of thermoplastic pipe, valves, fittings and related products for plumbing and mechanical applications, IPEX offers a broad range of products to meet the needs of engineers, contractors and distributors in commercial, institutional, industrial and residential construction.

Endura® Grease
Management



System 1738® & System 636®
Flue Gas Venting



Enfield™ Electrofusion
Acid Waste



1-800-463-9572 | ipexna.com



**Mechanical
Piping Systems**

Endura®, System 1738®, System 636® and Enfield™ are trademarks of IPEX Branding Inc.

The
JOYCE AGENCY
MANUFACTURERS REPRESENTATIVE

HIGH PERFORMANCE
OUTSTANDING EFFICIENCY
PROVEN RELIABILITY



HAS YOUR COMMERCIAL NEEDS COVERED.

From hotels to restaurants, office buildings to schools, commercial installations have their own set of unique challenges. Bradford White's commercial water heater and boiler line-up uses advanced technology to meet virtually every need:

- For outstanding efficiency, the popular eF Series® (now available in 119 gallon capacity)
- For fast installs with no wait to order, the ElectriFLEX™ Series Field-convertible with no UL bench needed
- For proven boiler performance, our Brute® Series boilers

See more at our website dedicated to pros like you - bwfortheapro.com

FOR THE PRO

INDUSTRY ADS



CHESAPEAKE SYSTEMS DPG MANUFACTURERS



AIRTHERM: Fan Coil Units and Air Handlers



Barmesa

BARMESA: Submersible Sump and Sewage Pumps, Pumps Controls



DELTA P CARVER: BOOSTER SYSTEMS



HYDROTEK INTERNATIONAL: Sensor-Operated, Automatic Faucets and Flush Valve



LAARS: Hydronic Boilers, Water Heaters, Storage Tanks, and Pool Heaters



LEONARD: Thermostatic Water Mixing Valves, Hose Station and Emergency Mixing Valves



NILES STEEL TANK: Water Storage Tanks, Buffer Tanks, Pressure Vessels, Solar Tanks



ROOF PENETRATION HOUSING: Rooftop Pipe Chase Housing for All Trades



SPIROTHERM: Air/Dirt/Hydraulic/ Combination Separators, Air Scoops, Vents



STIEBEL ELTRON: Tankless Electric Water Heaters, Indirect and Solar Storage Tanks, Heat Pump Water Heaters, Hand Dryers, Infrared Electric Radiant Heater



TRERICE: Thermometers and Gauges



UPONOR: PEX Plumbing, Heating and Cooling, Residential Fire Protection Equipment



WILLOUGHBY

WILLOUGHBY: Stainless Steel Prison Fixtures, Solid Surface Lavatory Stations, Patient Care Units and Panel/Column Showers



WILO: End-suction/ Base-mounted pumps, Circulators, In-line/ Multistage Pumps



Scan QR Code for Contact Information

**3595 MAYLAND COURT
HENRICO, VA 23233**

**Phone: 804.379.8123 | Fax: 804.379.8435
dpg-va@chesapeakesystems.com**

Copyright 2020 Chesapeake Systems Distributor Products Group
May not be reproduced or transmitted electronically without written permission.



PRESSURE DROP ACTIVATED TRAP SEAL PRIMER

- **3 P.S.I Pressure Drop**
Handles low flow toilets
- **Sediment Filter**
Replaceable
- **No Adjustments**
Eliminates confusion during installation
- **4 View Holes**
Easy inspection
- **No Precharge**
Field repairable

SAVE TIME AND MONEY!

CHESAPEAKE SYSTEMS

PHONE: 800-559-2665 | INFO@CHESAPEAKESYSTEMS.COM

MIFAB'S Series of trap seal primers can be disassembled in the field. Our unique design permits filter replacement without affecting the performance of the primer.



INDUSTRY ADS



**YOUR NEW BIG MAX
GREASE INTERCEPTOR
GOES HERE**



- H-20 LOAD RATED LID
- STRUCTURAL INTEGRITY
- PATENTED EXTENSIONS
- INDUSTRY APPROVALS

CHESAPEAKE SYSTEMS

800-559-2665 | INFO@CHESAPEAKESYSTEMS.COM

**VISIT WWW.MIFAB.COM
FOR MORE INFO**



INDUSTRY ADS



BEECO® Barracuda Backflow Preventers

Since the 1940's, plumbing engineers have been specifying BEECO® backflow preventers for commercial buildings, and for over 36 years they have identified MIFAB as an innovative manufacturer of commercial plumbing products.



Barracuda 20 & 40

Double Check and Reduced Pressure Backflow Preventers

- USC approved (2 1/2"-8" sizes)
- Short lay length
- Light weight
- Great flow performance



Preventing water contamination is **easier** than you think.

CHESAPEAKE SYSTEMS

800-559-2665 | INFO@CHESAPEAKESYSTEMS.COM

WWW.BEECOBACKFLOW.COM

Beeco also manufactures: Pressure Reducing Valves, Automatic Control Valves, Strainers, Gauges, Dual Check Valves, Silent Check Valves, Gate Valves and Pressure Vacuum Breakers



Owner Satisfaction

Specifying a quality product while accepting a VE substitution rarely equals Owner Satisfaction

Be certain your client is getting all they pay for by specifying:

- Standard 5 year Warranty
- VFD's mounted in a NEMA 3r control panel with NEC 409 and current SCCR ratings.
- Built in surge protection
- ASHRAE 90.1 compliant without remote sensors or bladder tank
- Structural 304 stainless steel square tube mounting frame and suction/discharge header pipe support
- 100% witnessed wet flow testing on EVERY unit to design conditions.
- Guaranteed performance when using calQflo calculator
- iQFlo 3.0 software - The most energy efficient booster pump operating system.
- 70% redundancy per the latest ASPE sizing guide.
- Non proprietary repair parts
- Proudly made in the USA



Your trusted partners

Authorized manufacturer representative factory trained in sales and service.

INDUSTRY ADS

MEET THE INDUSTRY STANDARD IN **PRESSURE BOOSTING**

CAROTEK®
The Power of Solutions

(804) 279-8800
www.carotek.com



Grundfos pressure boosting solutions are the optimal choice for water supply applications. The Grundfos Hydro MPC BoosterpaQ® is UL-listed, NSF61/NSF372 certified, and provides consistent, reliable and efficient control; whether pressure, flow, or remote measurement.

Grundfos offers a complete portfolio of products and services to the market through a number of marquee product brands.

GRUNDFOS 

 YEOMANS

 PACO

 PEERLESS PUMP

 CHICAGO PUMP



 MORRIS

be
think
innovate

www.grundfos.us

GRUNDFOS 

INDUSTRY ADS



2518 Waco Street, Richmond VA 23294

**Manufacturers Representatives-
Mechanical Equipment**

**Toll Free Phone #: 800-572-2875
Main Office Phone #: 804-672-8885
Main Office Fax #: 804-672-1583
Roanoke Office Phone #: 540-345-5800
General E-mail: seb@seburks.com
Website: www.seburks.com**



WWW.ARMSTRONGPUMPS.COM

- Hydronic Specialties
- Centrifugal Pumps/Circulators
- Pressure Booster Systems
- Air Control Balancing Valves
- Heat Exchangers
- Design Envelope/Intelligent Variable Speed Pumping Technology



WWW.ALFAVAL.COM

- Highly Efficient & Durable Heat Exchangers For Any Heat Transfer Application



WWW.BURNHAMCOMMERCIAL.COM

- Wetback Scotch Boilers
- Packaged Fire Tube Boilers
- Forced Draft Firebox
- Low NOx Boilers
- Shock Proof Boilers



WWW.COLUMBIABOILER.COM

- Dual Fuel Boilers
- Steam Boilers
- Condensate Return Systems



WWW.HIGHLANDTANK.COM

- Bulk Storage Tanks—Fuel and Water



WWW.HEATSPONGE.COM

- Stack Economizers
- Heat Sponge Sidekick



WWW.LOCHINVAR.COM

- Gas Fired Heating Systems
- Copper Finned Water Heaters and Boilers
- ASME Tanks
- Storage Type Heaters
- Electric Boilers/Heaters
- High Efficiency Condensing Boilers up to 5.0 MBH
- High Efficiency condensing Water Heaters up to 1.5 MBH



WWW.MEPCOLLC.COM

- Steam Traps
- Condensate/Boiler Feed/Vacuum/Pressure Powered Pumps



WWW.MUELLERSTEAM.COM

- Domestic/International Strainers
- Y Strainers, Check Valves/ Butterfly Valves



WWW.PROHYDRONICSPECIALTIES.COM

- Automatic/Manual Balancing Valves
- Coil Hookup Kits
- Hose Kits



WWW.HYDROLEVEL.COM

- Controls For Residential & Commercial Boilers



WWW.CARLINCOMBUSTION.COM

- Residential / Commercial Gas & Oil Burners
- EZGas Pro Universal Conversion Burner



WWW.RECOUSAHEATERS.COM

- ASME Pressure Vessels
- Atmospheric Commercial Water Heaters
- Storage Type Water Heaters
- Hydropneumatic Tanks
- Electric Commercial Water Heaters



WWW.SHIPCOPUMPS.COM

- Condensate and Boiler Feed Pumps
- Turbine Pumps/Vacuum Pumps
- Deaerators



WWW.REYMSA.COM

- Fiberglass Cooling Towers
- Closed Circuit Fluid Coolers



WWW.TOPPINDUSTRIES.COM

- Polyethylene Basin
- Fiberglass Basins



WWW.WEILPUMP.COM

- Sewage Pumps
- Grinder Pumps
- Condensate Pumps



WWW.WEIL-MCLAIN.COM

- Cast Iron Sectional Boilers—All Fuels
- Residential & Commercial Boilers
- Multiple Boiler & Energy Management
- High Efficiency Condensing Boilers Ranging Up To 2.0 MBH



WWW.WEISSINSTRUMENTS.COM

- Digital/Industrial Thermometers
- Pressure Gauges



WWW.WESTANK.COM

- Expansion Tanks
- Flash Tanks
- Blowdown Tanks
- Separator Tanks
- Glycol Make-Up Packages

INDUSTRY ADS

KIMAX® Glass Drain and Vent Systems

Sustainable
Low VOC's, no offgassing



Durable
Maximum corrosion resistance



Flexible
Easy to install



Economical
Lowest life-cycle costs



BIM
BIM Objects available



Your Local Distributor
N. H. Yates & Co., Inc.
1-410-667-6300
jasteinmetz@nh Yates.com

SCHOTT North America, Inc.
info.drainline@us.schott.com
us.schott.com/drainline

SCHOTT
glass made of ideas

ADVERTISE WITH YOUR LOCAL CHAPTER

*A Special Thank You to Everyone Who has Placed Ads This Season!
Let us know if you want your ad included*

Newsletter and Webpage Advertisement Costs

Full Page Newsletter (per season)

ASPE Member \$375
Non-Member \$450

Half Page Newsletter (per season)

ASPE Member \$275
Non-Member \$350

Business Card Newsletter (per season)

ASPE Member \$75
Non-Member \$150

Meeting Tabletop Costs

Per Meeting

ASPE Member \$80
Non-Member \$100

Per Year (8-9 Meetings)

ASPE Member \$450
Non-Member \$550

CONTACT: JOSH LANDIS @ jlandis@moseleyarchitects.com

INDUSTRY OPPORTUNITIES

If you'd like to advertise your employment opportunity here, please contact one of the list board members above.

BASKERVILL

Plumbing Designer/Engineer - Richmond, VA - #EP-L34

Baskervill has an immediate need for a Plumbing Designer to Support our Plumbing Department on a variety of projects.

RESPONSIBILITIES

Develop construction documents (drawings, models, details, schedules, and specifications) working in Revit. Conduct site inspections/surveys to obtain key field data; reviewing RFI's and shop drawings, coordinating with other disciplines, and attending project meetings.

QUALIFICATIONS

- Bachelors/2-Year technical degree in Mechanical Engineering/Plumbing focus.
- CPD preferred
- 5 to 7 years of commercial experience, at least 3 in plumbing design.
- Working knowledge of plumbing code
- Exceptional communication skills to coordinate with other disciplines and function in a collaborative environment.
- Proficiency in Revit required. Other related software a plus.

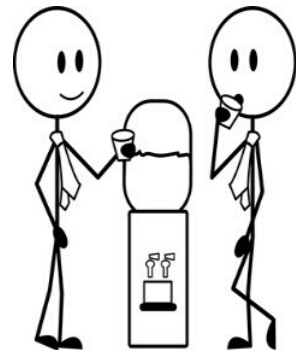
Salary will commensurate with experience.

Please email resume, work sample, and salary requirements and reference Job No. EP-L34 for consideration to careers@baskervill.com. If you are disabled or otherwise unable to apply online please mail to: Baskervill, PO Box 400, Richmond VA, 23218.

Baskervill is an E/O/E/M/F/D/V and drug-free environment.

TALK AROUND THE WATER COOLER...

Check-out these sites for interesting and educational topics & tools so you can stay in 'the know'!



ASPE PIPELINE

STAY TUNED...



FOLLOW THE ASPE CONVENTION & EXPO ON TWITTER TO BE ONE OF THE FIRST TO KNOW ABOUT THE LATEST DEVELOPMENTS REGARDING ASPE'S PREMIER EVENT: [TWITTER.COM/ASPEEXPO](https://twitter.com/ASPEEXPO)

Some recent excerpts:

1. ASPE Joins 200+ Organizations to Advocate for a Secure Water Future

ASPE has endorsed four principles that will help secure access to clean and sustainable water for all as the U.S. plans for recovery from the COVID-19 pandemic. The four principles, released by the U.S. Water Alliance, knit together critical water issues—who has access to it, who manages it, how it is paid for, and how all communities are kept safe and healthy—and offer guidance on how to ensure that everyone can count on reliable and safe water service—now and for future generations.

2. IAPMO Makes Standards Free to Aid Fight Against COVID-19

The IAPMO and ASSE International standards and codes now available for free support the services essential to responding to COVID-19 and include performance and installation requirements for plumbing and mechanical systems. More at: https://www.aspe.org/pipeline/iapmo-makes-standards-free-to-aid-fight-against-covid-19/?_zs=Mwala&_zl=u3g42

3. Register Soon for the 2020 CPD Exam

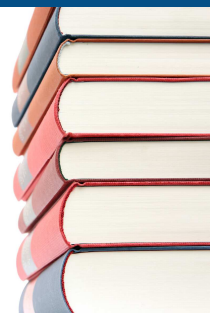
Want to join the industry's elite plumbing engineers by becoming Certified in Plumbing Design? The 2020 CPD exam will be held at testing sites around the world on June 15–21 and registration is open until June 19 at <https://www.aspe.org/education-credentialing/cpd/exam/>

4. Desktop Tables App Is Available



You can now download a Windows or Mac version of ASPE's popular Plumbing Engineering & Design Tables App to have pipe sizing data at your fingertips while you work from home. https://www.aspe.org/pipeline/aspe-tables-app-for-mac-and-windows-is-now-available/?_zs=Mwala&_zl=gao52

EDUCATION STATION



ASPE has recently revamped their learning platform!! The new site is education.aspe.org. All educational programs and articles have transitioned over to the new site now. If you are looking to earn CEU's and/or enhance your skills and knowledge then this is the site for you!

Once in the site Sign in (top right) using your **ASPE Connect credentials**. If you have not activated your ASPE Connect credentials, go to this link to reset your ASPE Connect password: <https://connect.aspe.org>.

Due to current travel and group restrictions, **ASPE's 2020 Revit Workshops** are now being held remotely on the dates listed below. Attendees are provided with 7 hours of Revit trainings from the comfort of your home. The workshops will begin at 8 am and conclude around 4 pm (time zones based on the schedule below).



Students will be sent a link to sign in to a computer which has the Revit software installed and ready for use.

1. July 10: 8 am - 4 pm EDT
2. July 17: 8 am - 4 pm CDT
3. July 31: 8 am - 4 pm PDT

Fees: Members: \$250- Nonmembers: \$475
<https://education.aspe.org/RevitWorkshops>



ASPE PARTNERS WITH ASA-U TO OFFER ONLINE EDUCATION COURSES

THE NEW INTRODUCTION TO PLUMBING PRODUCTS BUNDLE ON ASPE EDUCATION INCLUDES FIVE COURSES DEVELOPED BY THE AMERICAN SUPPLY ASSOCIATION'S ASA-U PROGRAM. THIS OPPORTUNITY PROVIDES YOU WITH ACCESS TO ASA-U'S HIGHLY ACCLAIMED EDUCATION AND OFFERS AN AVENUE TO BECOME MORE KNOWLEDGEABLE ABOUT PRODUCTS USED IN PLUMBING DESIGN, ALL WHILE EARNING MULTIPLE CEUS. [HTTPS://WWW.ASPE.ORG/PIPELINE/ASPE-PARTNERS-WITH-ASA-U-TO-OFFER-ONLINE-EDUCATION-COURSES/?_ZS=MWALA&_ZL=EA052](https://www.aspe.org/pipeline/aspe-partners-with-asa-u-to-offer-online-education-courses/?_ZS=MWALA&_ZL=EA052)



NEXT UP IN OUR 2020 BOOK OF THE MONTH PROGRAM FOR ASPE MEMBERS IS **ADVANCED PLUMBING TECHNOLOGY II**. THROUGH MAY 31, 2020, YOU CAN PURCHASE THE PDF VERSION OF THIS HANDBOOK FOR 35% OFF THE REGULAR MEMBER PRICE. JUST ENTER COUPON CODE **MAYFLOWERS** WHEN YOU CHECK OUT.