



NEWS

Eastern Michigan Chapter *
http://aspe.org/Eastern_Michigan

Serving our membership since 1975

Vol. 16, Issue 1

Plumbing Design Classes

Date: Tuesday, Sept. 18, 2012
Where: Plumbing Industry Training Center
SEE map on back page

DATA BOOK SESSIONS

4:00 - 5:00 PM

DINNER

5:00 - 5:30 PM

Cost: ASPE, ASSE, MBPA Mbrs: NC
 Non-members: \$18.00 FOR DINNER

REVIT TOOLS TIPS

5:30 - 6:00 PM

DESIGN CLASS

6:00 - 8:00 PM

Topic: Boiler Basics 101
 Category Venting

Speaker: Joe Hernandez, BME, CPD
 Current ASPE EMC President

See page 3 for program & bio

See the full event schedule on our web site.

REGISTRATION REQUIRED

Dann Holmes, Director/ Chapter Affiliate:
dann.holmes7@gmail.com
(248) 939-2476

inside...

Feature Ad	2
Sept. Program	3
Notices.....	4
Affiliate Liaison Report	4
Past President's Report.....	5
VP Tech Report	6-7
Ed's Byline	9
Photos ~ May 2012 Meeting	12-13
Book Bundles	16
ASSE Banquest Flyer	18
Sponsors Listings	22-23

From Joe Hernandez, CPD President Of EMC ASPE



Where did the summer go? Actually even though it was the hottest summer in record it was pretty good, a lot of fun with the sun and a little golf. It is now time to get back to ASPE business. The board was very hard at work planning a great line up of topics that will not only be informative but interesting to experience.

We start our season with a session on "Boiler Basics" and conclude with a session on Water

Expansion and the devices necessary to accommodate it safely. The boiler basics will cover all the things one may need to know on their differences. It will also cover the category venting and the appropriate materials.

The other topics include "Domestic Hot Water Systems and Design", "Piping and Critical Components", "Backflow Prevention", "Legionella" and "Water Reuse Systems". There will be early classes prior to dinner too! These sessions will cover the basic Data Book topics such as, Sanitary Design, Domestic Water Calculations, Storm Drainage and Natural Gas Design, just to name a few. Good stuff, and there will be plenty of seats and a great reason to be an ASPE member.

Our ASPE National Convention is here (October) and is coupled with a great technical program. I suggest that you go on line to check out the classes. The location is in Charlotte, NC. A great place to visit and at the same time a great way to experience what ASPE is all about. Oh there's great golf too!

We are adding a new slot of training this season. It is no secret that manual drafting is a thing of the past. The evolution of CAD has taken us into the 21st Century and continues to develop. We featured a session last year on AutoCAD MEP and REVIT. It seems that the program of choice is REVIT and so, to help out our members with their day to day design efforts, we have decided to conduct 30 minute sessions on REVIT tips. The sessions will be live and delivered by a seasoned specialist on the use of this medium of drafting. This will come directly after our terrific dinner by Ginny.

I have decided to continue to feature our Michigan Engineering talent and the pioneers that made us great. This month brings us the firm of Peter Basso Associates, Troy.

Continued on page 3

* Chapters are not authorized to speak for the Society.



COLLABORATIVE

SUSTAINABLE

CUTTING-EDGE

Portfolio

Education

Healthcare

Public

Industrial, R & D

Power & Energy

Sports, Entertainment & Cultural

Office & Data Centers

Retail & Housing

Historic Preservation

PETER BASSO ASSOCIATES

Recognized as a leader in mechanical and electrical engineering, Peter Basso Associates has always been at the forefront of new technology, balancing performance with cost. We provide mechanical & electrical engineering, energy management, communication technologies design, building commissioning, architectural lighting design services, and LEED® services.

A Basso system focuses on cost effective solutions that pay returns over the life of the facility. As your consulting engineering partner, we understand the importance of meeting your client's needs.

At PBA, client relationships are invaluable. That is part of the reason why we are the largest MEP-only firm in the State of Michigan and ranked among the top 40 MEP-only firms in the country.

Since opening our doors in 1990, our commitment to quality and personal attention to our clients has never wavered. In 2002, we became 100% employee-owned through an Employee Stock Ownership Plan. As a company of owners, everyone involved with a project has a vested interest in its successful outcome. Therefore, we know the value of partnership. That is why over 70% of our work is with repeat clients.

As a Trusted Advisor, PBA has a reputation of going above and beyond the boundaries of an MEP consultant, and will be there for you every step of the way. We look forward to forming a lasting partnership with you.

For more information on our services and becoming a PBA partner, contact us at:

5145 Livernois Road, Suite 100, Troy, MI 48098-3276, p. 248.879.5666.

Experience the Basso Advantage...

www.peterbassoassociates.com



President's Report

continued from page 1

Allow me to introduce:

Peter J. Basso, PE, FASHRAE
Chairman
Peter Basso Associates, Inc.



Peter J. Basso

Pete began his engineering career in 1953, working part-time for Thomas J. Black Associates, Consulting Engineers, while still a student at Cass Technical High School in Detroit. He continued there as a part-time and co-op employee until graduating Cum Laude in 1959, from the University of Detroit with a Bachelor's degree in Mechanical Engineering.

After training in the U.S. Army's Critical Skills Program, followed by engineering positions at several firms, Pete became a principal partner at Hoyem, Basso & Adams, an MEP firm, in 1965. The firm evolved into a full service A/E firm that was subsequently acquired by Giffels Associates in 1982. The name became Giffels/Hoyem/Basso.

In 1990, in an ambitious move, Pete left the Giffels umbrella and founded Peter Basso Associates (PBA), with a focus on providing high quality, innovative engineering services for highly technical facilities. Many of the key members who joined PBA in its early stages are still with the firm today.

PBA has developed into a full service MEP firm – the largest in Michigan, with a staff of 83, providing Mechanical, Electrical, and Energy Management, LEED®, Communication Technologies, Architectural Lighting Design and Commissioning services. In 2002, PBA became 100% employee-owned.

Pete has played key roles in many challenging and innovative projects, including the following:

Central Energy Plant for Chrysler Technology Center (Auburn Hills): This central energy plant serves a major corporate technology center which had a construction cost of over \$1 Billion. The chilled water system design included high temperature differential, stratified chilled water storage tanks and a waterside economizer. The heating system included medium temperature hot water boilers and incorporated a design temperature differential of 100°F. Significant savings in the cost of the chilled water and hot water piping systems, as well as substantial savings in pumping energy were realized.

Compuware Headquarters Building (Detroit): This was a one million square foot high rise corporate headquarters building that incorporated numerous energy conservation, comfort and flexibility features, including Cold Air

September Program

Boiler Basics 101 - Category Venting



Joseph Hernandez, CPD, ASPE Handbook Instructor and current ASPE EMC President received an Associate in Science of Architecture from Henry Ford Community College in 1977 and Bachelor of Mechanical Engineering from Wayne State University in 1988. He has worked

for Harley, Ellis, Piece and Yee, Albert Kahn Associates, Giffels and at SSOE Inc. for 13 years. At these A/E firms he held the position of Project Engineer and at SSOE Inc. He was a Senior Associate and the Group Leader for the Retail Division Mechanical Engineering Department. Joe served as Department Head at Integrated Design Solutions, LLC for over 2 years. He began his career in the Architectural industry in 1971 as an architectural draftsman while in college.

President's Report

continued from previous column

Systems and Underfloor Air Distribution, which together provided significant first cost and fan energy savings.

Pete received a First Place ASHRAE Technology Award in 1997 for the Medical Sciences Research Building III at the University of Michigan, and was elected an ASHRAE Fellow in that same year. Pete has been a member of the American Society of Heating, Refrigerating and Air Conditioning Engineers, Past President, Detroit Chapter; the Engineering Society of Detroit; the Michigan Society of Professional Engineers and the National Society of Professional Engineers.

He has also been a speaker at various technical conferences and has had a number of articles published.

PBA is headquartered in Troy, Michigan, has a satellite office in Ann Arbor, and has operations in Phoenix and Las Vegas.

Now all I can say is, that is Michigan pride. This is your chapter get involved!

Your President,

Joe Hernandez, BME, CPD

Continued

NOTICES.....

PLUMBING TRAINING CENTER ASSE BACKFLOW RE-CERTIFICATION

We'll be giving an ASSE Backflow Re-Certification class to any member who is eligible. If you're interested, please call the Training Center and get your name on the sign-up list for the next class training

MED GAS INSTALLERS CERTIFICATION

Most members' Installer's certs will expire before the next Med Gas Standards are issued in late 2012. Before your Installer certification expires, you need to apply for an extension with the NITC. Extension forms are available at the Plumbers Union Hall and Training Center.

ASPE MEMBERS ARE ABLE TO VIEW SPONSORED

ARCHIVED WEBINARS FOR FREE

Follow this link: <https://aspe.org/WebinarArchives>

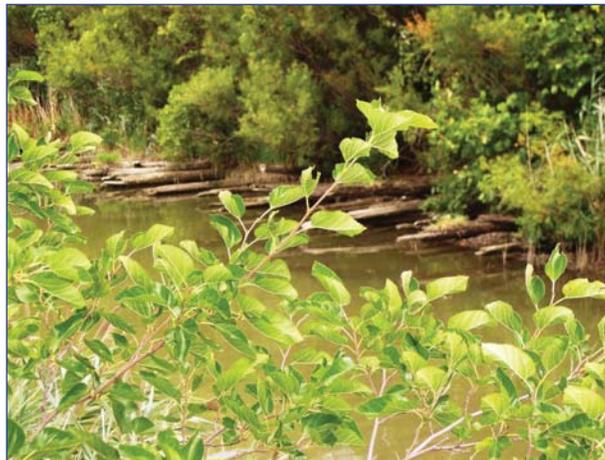
ASPE IS ACCEPTING APPLICATIONS FOR THE

ALFRED STEELE SCHOLARSHIP

The Alfred Steele Scholarship has \$3,000 in available monies for qualified applicants. Is limited to ASPE members and their immediate families who have a GPA of 3.0 or higher, who are enrolled in or plan to enroll in an engineering program at a college, university, or technical school on a full-time basis. Contact Stacey Kidd for more information at (847) 296-0002, or email skidd@aspe.org

ASPE Region 2 consists of MI, IN, OH, KY, W NY, PA and WV. In 1812, most of these states or territories were deeply involved in the war. Michigan was a territory with only 2,400 or so people living within its borders. On June 18th of that year, President James Madison signed a Declaration of War. On July 17th, Fort Michilimackinac on Mackinac Island was captured. On August 5th the Battle of Brownstown (MI) took place and four short days later the Battle of Mongougan (now Trenton, MI) raged. On August 16th, Fort Detroit was surrendered without a shot fired! Fort Dearborn near today's Chicago was abandoned. Things were looking bad and we weren't getting any help from our sister states on the east coast.

In mid-January of 1813, during the Battle of the River Raisin (Frenchtown/Monroe, MI) we took a huge loss on the battlefield. We all need to thank the Kentucky militiamen (at that time, the US didn't have a standing Army) who traveled up through Ohio, then west to secure Fort Wayne, IN, back to Fort Meigs near Perrysburg, OH and eventually into the Michigan Territory to help fight these battles.



Hull's Trace - Cordouroy Road

On August 2nd 1813 there was an unsuccessful British attack on Fort Stephenson (Freemont, OH). Then the famous Battle of Lake Erie took place on September 10th. The War of 1812 brought us good things; we received our National Anthem on September 13th, 1814; we became a stronger, more respected nation to the rest of the world. Our boundaries were set and commerce, farming and trade blossomed. Without the help of our waterways and rivers, much of this movement would not have been possible. In fact, in 2000 low water levels in the Huron River revealed 1,247 feet of the old corduroy road (Hull's Trace - see above photo), lying three to six feet beneath Jefferson Ave. Hull's Trace is a remnant of a 200-mile long military road hastily built during the summer of 1812 by troops under the command of American General William Hull. This is a rare example of a corduroy road and is listed on our National Registry!

Affiliate Liaison Report

Dann Holmes



Welcome back to another great season with the ASPE EMC. We have a terrific schedule of topics and speakers lined up for you. As our Chapter Affiliate Liaison and the ASPE Region 2 Affiliate Liaison my responsibilities are to help get our manufacturers, reps and distributors involved, but not just within our chapter;

this year I'm making an effort to spread out across the ASPE Region 2 and build a stronger interaction between our chapters. We have so much history behind us and a greater future before us.

How many of you are aware that 2012 is the 200th anniversary (bicentennial) of The War of 1812? Our nation is remembering "Our Forgotten War, or the Unknown War" ... a war involving a young, fragile United States declaring war against the British. The British, in turn were able to convince Native Americans and Canadians to fight on their side, against the US. Many have referred to this war as the 2nd American Revolution.

What does the War of 1812 have to do with ASPE, in particular, ASPE Region 2? Good question! As your Region 2 Affiliate Liaison please indulge me and enjoy a little history while I try to explain.

Continued on page 5

Affiliate Liaison's Report

continued from page 4

Fast-forward 200 years to today, we find commerce, farming and trade are still important but now on a much larger scale. We've increased our populations by the millions; added education, healthcare, manufacturing, infrastructure and transportation to our list. We find that MI, OH, IN, KY, W NY, W PA and WV are key players in our daily lives. We wouldn't want to go a day without our friendly neighboring States, nor without our close allies Canada and the United Kingdom. We love our Native American culture and history. Today, this region is referred to by many as the "rust-belt". To me, we just need a good polishing. We do have our sports rivalries though; they keep us on edge but these are much better ways we settle our scores.

With that, let me remind you that education is what ASPE is all about, especially in Region 2. I'm offering my help to each and every Chapter within this Region, much like we were given help centuries ago but in a friendly way. We should make a pledge to increase our involvement with both local and national manufacturers, distributors and vendors. Tell me what you need and I'll try to find ways to make it happen. It benefits all of us.

Take the time to review the upcoming topics and speakers we have on our schedule and make a commitment to attend. Bring a guest, friend or acquaintance. As for our manufactures and reps, let's make an extra effort to bring our engineers and contractors to these meetings. You owe it to them. Let them know you care. Put up money for advertisements and tabletops, they do pay dividends. And if you're a presenter this year, please print your presentation to handout, one that people can read, take notes on and save.

And please, please, please...RSVP your intentions to attend in a timely manner so we can order the proper amount of food. Nothing hurts a Chapter more than spending money unnecessarily.

One last bit of history trivia for you! Everyone should be aware that Eight Mile Road in Detroit is also known as Base Line Road. It was the main latitude line used for the survey of Michigan. Did you know that as you look directly west down Eight Mile, you're looking at South Haven on Lake Michigan? And, if you drew a line directly west from South Haven across Lake Michigan, you'd be at the Illinois and Wisconsin borders! Now, aren't you glad you indulged me?

As always, I can be reached at dann.holmes7@gmail.com and/or (248) 939-2476.

Dann Holmes - ASPE Region 2 Affiliate Liaison

Past President Report

John Nussbaum, IPP, FASSE



Contractors, Design Professionals and Installers by now you have seen the ASPE, ASSE 2012/2013 monthly educational program offerings. The education committee listened to you when selecting these sought after programs, at the same time considering updated Code and Standards required when designing, bidding or installing Plumbing and

Mechanical Systems in Hospitals, Healthcare Facilities, Industrial and Commercial Buildings, Schools and Institutional Complexes. Care was taken when reaching out to secure persons who best could teach these classes and at the same time provide you with "8 1/2 x 11" PowerPoint Slide handouts of their presentations that may be useful back at your offices.

EPA's new boiler rules are Federal and being compliant will be explained in detail by **James A. Ostrowski** from the Michigan Department of Environmental Quality. Design Professionals, Contractors, Building Owners and their Boiler Operators should plan on attending.

NFPA-99 - The new Health Care Facilities Code is expected to be adopted in Michigan later this year or early in 2013. **Mark Allen** will be going over the changes in Medical Gas and Vacuum Systems requirements from the **2005 to 2012 Edition**. Those that should attend include, Design Professionals, Hospital Engineers, Contractors and their personnel who are certified to install Medical Gas and Vacuum Systems. Those who attend will receive a Continuing Education Publication dealing with the changes.

New ASHRE Standard 188P & Guideline 12 cover Legionella Control in building water systems. This program will cover how to comply in the design of hot water systems to minimize the growth and incubation of Legionella Bacteria. **Ronald L. George & Edward Lyczko** who were on the ASHRE 188P committee will be the presenters. Who should attend? Design Professionals, Contractors and Hospital Engineers.

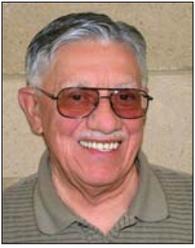
Piping and Critical Components will be taught by **Ronald George**. This should be of interest to everyone from the designer to installer and building engineer who must maintain these plumbing & mechanical systems. **Water Re-Use Systems & Utilization - Practical Design and Implementation** will be presented by **Michael Gauthier**. **Thermal & Hydronic Expansion Tank Solutions** is being taught by **Ken Rutherford**.

Early ASPE Handbook Classes include Sanitary Design, Domestic Water/ Booster Calculations, Storm Drainage Design and Natural Gas Design which will be handled by Joe Hernandez. **Revit Tool Tips** - 5:30 PM until 6:00 PM will be handled by Pam Hartsell.

It is suggested anyone who will be considering taking the CPD exam attend the early classes as well as the 6:00 to 8:00 technical classes.

Sincerely,
John R. Nussbaum, IPP, FASSE

VP Technical Report



ASSE 1071 – 2008

- ❖ **Mixing Valves for Emergency Shower Equipment**
 - » Lower temperature range
 - » Cold water by-pass

Source

- ❖ **ASSE 1017**
 - » Vender sizing software

❖ Pressure Disturbances

- » Effects both hot and cold supply

❖ Recirculation

- » Proper piping installation
- » See Diagram 2 below

Codes

❖ Model

- » UPC – ASSE 1016, 1069, 1070.
- » IPC – ASSE 1016, 1069, 1070.
- » NSPC – ASSE 1016, 1069, 1070.

❖ Individual State Codes

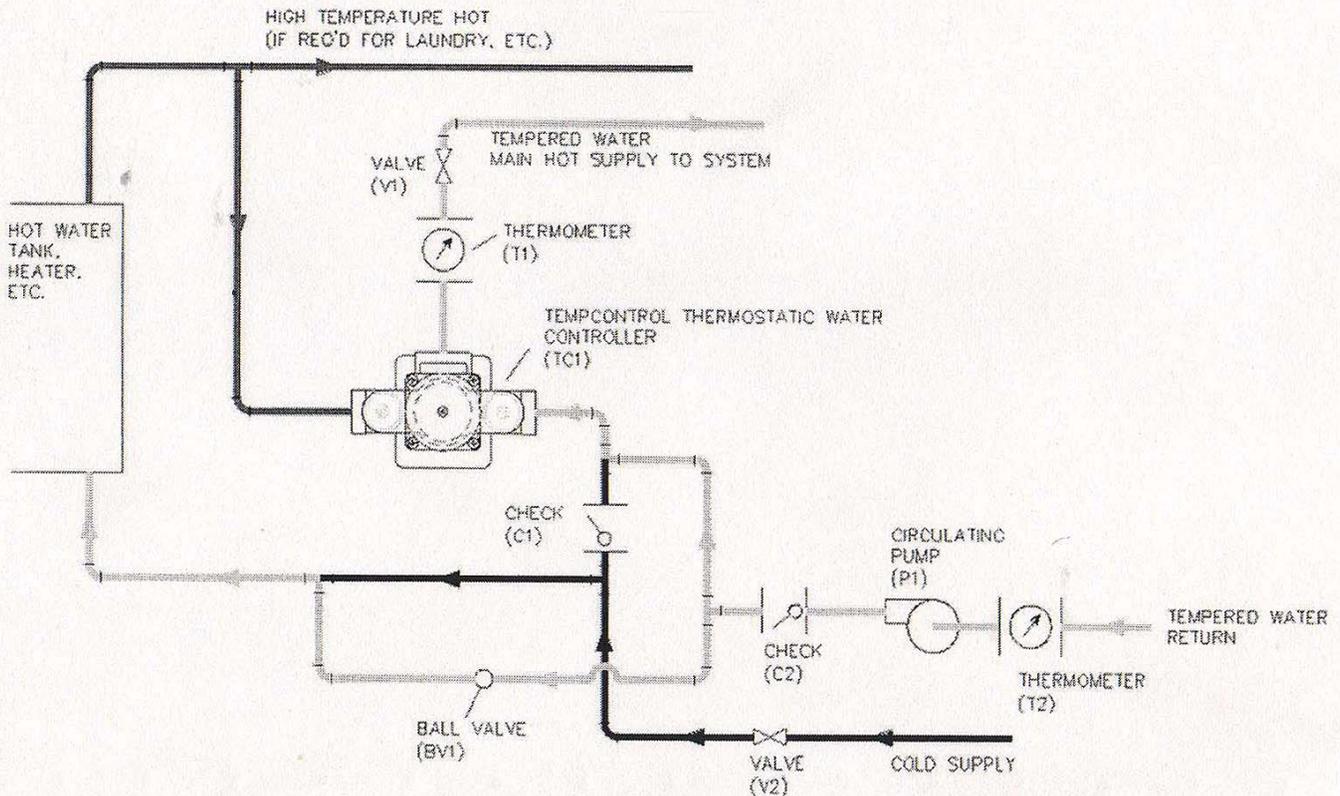
- » WI – Three Dwelling units or more
- » NC – Commercial - Yes, Residential – No.

ASSE 1070 – 2004

❖ 1070 Water Temperature Limiting Devices

- » Limit the water temperature to a fixture or fixtures to reduce the risk of scalding.
- » No thermal shock protection

Diagram 2



continued on page 7

VP Technical Report

continued from page 6

- » Intended for individual or multiple fixture fittings
- » Further tempering of water allowed downstream of the device with the addition of cold water.
- » Can supply the hot water side only by limiting the hot water temperature to a fixture fitting(s)
- » Examples:
 - ✓ Metering faucets (Tempered Water Only)
 - ✓ The hot side of a standard lavatory faucet
 - ✓ A bank of Lavatories
 - ✓ Tub fill only for whirlpool or soaking tub (no shower)

❖ Fail Safe

- » 1017 Reduction in low flow common on cold water failure but not part of standard
- » Alarm and Solenoid
 - ✓ 100% shut off.
- » Codes
 - ✓ OSHPD (CA)
- » Application for fail safe
 - ✓ Health or Kinder care

Proper Temperature

- » Temperature Setting
 - ✓ Set with plenty of water running
- » What Temperature-Legionella
 - ✓ Mostly seen in health care, not residential
 - ✓ ASPE recommends 135°F with continuously running recirculation
 - ✓ Intermittent pump
- » Temperature differential

RELATED STANDARDS

- » ANSI A112.18.1 Fixture Fittings
 - ✓ Fitting performance test for plating, working pressures, working temperature, connections, repair, torque and back flow.
- » ANSI A117.1
 - ✓ Criteria for accessibility ADAAG
- » CSA B125.1
 - ✓ Harmonizing with ASME A112.18.1 and ASSE
- » Z3568.1 Emergency Showers.
 - ✓ ASSE 1071 Devices.

REVIEW

❖ Source – ASSE 1017

- » Deliver constant temperature water out to system.
- » No hot and cold water pressure disturbances.
- » One temperature means less fatigue on motor.

❖ Showers, Tub / Shower – ASSE 1016

- » Controls cause of temperature change – pressure disturbances.
- » Handle Limit Stop for maximum Temperature Control.

❖ Gang Showers – ASSE 1069

- » Single pipe systems only.
- » User does not have control
- » Optional is ASSE 1016 at each station.

❖ Shock Protection Only - 1066

- » No maximum temperature protection

❖ Maximum Temperature Only – ASSE 1062

- » No thermal shock protection.

❖ Point of Use Temperature Limiting – ASSE1070

- » No Thermal Protection.

❖ Emergency Equipment Tempered Water Valves – ASSE 1071

- » Emergency drench and eyewash stations.

❖ Combination Thermostatic

❖ Combination ASSE 1016 / 1017 System

- » Master mixing at hot water source.
- » Type P device at point of use.

This concluded the program, followed by the open questions period. A very strong job delivered by the presenter, Tim Kilbane. This is a tough subject to cover, because there were no special bells or whistles that could help or be used.

His experiences were the best tool at his disposal. The summary above was the best data from the presentation. It's laid out for a quick future reference, save it for your job file.

This was the final program of the year 2011 – 2012. All the participants, who worked very hard and long to line up the years programs, to educate and entertain you. All that is required of the membership, is to attend and absorb all information and all the goodies on a full stomach, from GINNY'S good food.

See you all this 2012 – 2013 season that starts in a couple weeks.

Edwin Louis Hawley, CPD, VP Tech.



ASPE Research Foundation Receives a Generous Donation from ASSE

The donation will be used to help fund a project on biofilm growth in manual and electronic faucets.

For more information on this subject please go to ASPE.org



32995 Industrial Road, Livonia, MI 48150
Phone 734.266.5300 Fax 734.266.5310
www.performanceengineering.com



High Efficiency Water Heaters
High Efficiency Heating Boilers
Custom System Solutions
Storage Tanks

Heating Boilers
Hot Water Supply
Pool/Spa Heaters
Storage Tanks
Complete Parts Stock



Snowmelt Systems
Radiant Floorheat Systems



Residential Water Heaters
Commercial Water Heaters
Storage Tanks
Complete Parts Stock

Natural Gas / Propane / Electric / Oil
3,000 to 4,000,000 BTU's
- ALSO -

Aldrich Boilers / Holby Valves / Valley Water Softeners

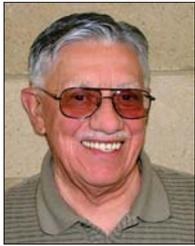


Plumbing Engineering & Design Handbook of Tables Digital App

New for 2011! This application is the newest addition to ASPE's digital publication collection and is FREE to ASPE Members. The Plumbing Engineering & Design Handbook of Tables App is an exact replica of the 2,500-page handbook—except it's in an easy-to-use Adobe Air application. Every chapter is reproduced in HTML or PDF, so you can click through to easily find the information you need. Best of all, instead of paging through hundreds of pages to find sizing data, all you have to do is choose the appropriate pipe material and other design criteria and the sizing data appears instantly!

CONTACT ASPE AT WWW.ASPE.ORG FOR MORE INFO

By-line by Ed Hawley



This month's topic is on the subject of "MENTORS."

Peer mentoring in Wikipedia, the free encyclopedia explains the advantages of peer mentoring at work.

"Peer mentoring can be advantageous in the work setting. Peer mentoring offers a low cost way to train employees. **Mentorees**

may feel more comfortable learning from a peer than in a hierarchical setting. **Mentorees** may also benefit from the bond they form with colleagues."

In today's business world, the latest trend is matching experienced personnel with new employees; thereby the role of a **mentor** enters into the picture. So how does it apply to an organization like ASPE? Well, for one thing, it is the role we have tried to implement in all the programs conducted for our membership in the monthly meetings. The only difference is that in our monthly meetings we use the group method of **mentoring**, like Dale Carnegie and other programs have. This allows more members to gain access to a **mentor** through each guest speaker we have. So instead of having a person whispering in our ears directions and suggestions for the next decision that is necessary for the work that we do, we have a **mentor**.

In the plumbing industry we have various training programs for the requirement of the work done in the field, on every project. Most of this is the physical labor needs; the other main item so very important is how we think mentally. Do we have special experience in the task we are working on? Hopefully we had learned in a classroom, from a peer **mentor**.

In Engineering and Construction it is very important that you can read a set of plans and be able to implement and pass along all the necessary instructions to others leading the way to the project's completion. It is so important that we have somehow been exposed to the item or method visually in the field or classroom experiences. The more we have seen with our eyes or heard by our ears the better we can perform.

So that what we really need more of is the roles performed by a personal **mentor**, available to us as our need occurs. We know how impossible that is, since the world is not very practical.

That leaves very little for us in our life, therefore; we must take the next option available to us. Find a personal **mentor**. Good luck!

If I may make a very sound offer to you, and tell you how you can find your own personal mentor! Please join us in the monthly ASPE meetings, see and hear mentorship demonstrated before your own eyes, experience a wonderful **mentor** at work (the Guest Speaker).

The ASPE Board of Directors worked hard to find **Mentors** that will fit the personal request that was suggested to them by a number of members, telling them of their various needs. They hope to fill as many of them as possible this calendar year of 2012-2013.

Continued

Let's start the New Year's resolution by planning to attend each monthly meeting and meet the groups personal "MENTOR."



Your Identity . Your Company
boost it
place your ad here

Contractor Update by JNussbaum

ADA or today's title: "Accessibility & Usable Buildings and Facilities" (ICC A117.1-2003) an ANSI American National Standard, replaced J&R Architects' 2006 Michigan Barrier Free Design Graphics. The State of Michigan is still using the ICC A117.2003 Standard. I have been informed by the Barrier Free Division of the Building Department that Michigan will be going to the ICC A117.1-2009 Standard in 2013, along with the rest of the 2012 Michigan Building Codes.

What is New?

From the ICC an 8"x 4-1/2"x 1" Accessibility Pocket Book 2012 IBC and ICC A117.1-2009 spiral bound code and graphics publication. These are ideal for Contractor's Superintendents and/or Foremen. They may fit nicely in a vehicle glove box or kept in the Contractor's job trailer/gang box.

Member price is \$24.00 each plus shipping; non-member price is \$30.00 each plus shipping.

Orders should be placed with Cassandra Mudloff of MCA Detroit, 313.341.7661 ext. 205.

Make check payable to: Code Study & Development Group of SE Michigan (CSDG of SE MI) and mailed to 14801 W. 8 Mile Road, Detroit, MI 48235.

No credit cards accepted. Orders must be prepaid.



APOLLOXPRESS™



Your Single Source Solution for Press Technology

<p>Small & Large Diameter Fittings</p>  <p>Available in Sizes 1/2" to 4"</p>	<p>Ball Valves</p>  <p>Available in Sizes 1/2" to 4"</p>	<p>Gate, Globe, & Check Valves</p>  <p>Available in Sizes 1/2" to 2"</p>	<p>Pressure Reducing Valves</p>  <p>Available in Sizes 1/2" to 2"</p>	<p>Backflow Prevention</p>  <p>Available in Sizes 1/2" to 2"</p>
--	--	--	--	--

The APOLLOXPRESS™ Advantage

APOLLOXPRESS™ fittings are a proven heat-free method for joining copper tube and provide a clean, easy joining technique that saves time and money on installations.

The APOLLOXPRESS™ line of Ball Valves, Gate Valves, Globe Valves, Check Valves, PRV's and Backflow Preventors, integrated with APOLLOXPRESS™ Connectors are also now available.

Made in American production facilities from beginning to end, our broad range of Press Technology products brings you the quality and reliability you have come to know and expect from Apollo Valves, all from one source.

Apollo is your single source solution for Press Technology.

BENEFITS OF THE APOLLOXPRESS™ SYSTEM



Heat & Flame Free
Reduces fire hazard - no need for heat and open flame



Clean, Fast and Simple
No glues, fluxes or solder needed. Easy installation in under 8 seconds.



Single Source
All the press you need, all from one single source.

For more information on the advantages of the APOLLOXPRESS™ system, contact:

V.E. SALES CO INC

25200 JEFFERSON AVE. • ST. CLAIR SHORES MI, 48081-2347

Phone: 586-774-7760 • Fax: 586-774-1490

CINDY ZATTO • CINDYZ@VESALESINC.COM

INTRODUCING

BASYS™



©2011 Sloan Valve, Inc. All rights reserved.

Any Application. Any Environment.™

Basys™ offers a truly innovative platform of modular electronic sensor faucets for a broad range of commercial applications. Backed by a century of experience and grounded in proven Sloan technologies, the platform delivers revolutionary efficiencies in service and maintenance. With five body types, multiple power harvesting options, and advanced programmability and user controls, Basys provides the ultimate experience for users and plumbers alike.



Build a Basys online:
sloanvalve.com/basys



Crowns:



Power Options:



DIVERSIFIED SPEC. SALES
248-398-2400

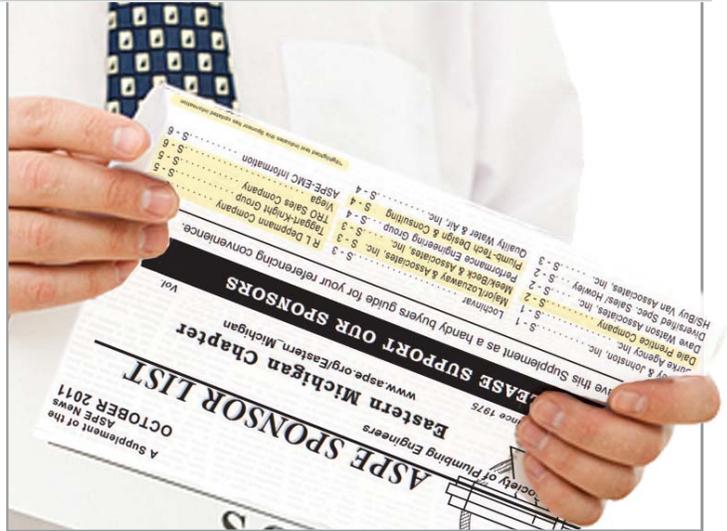
SLOAN.

ASPE EMC SPONSOR GUIDE

The Valued Buyers Reference

Download your copy TODAY!

Go to www.aspe.org/Eastern_Michigan to view and download this valuable buyers reference.



The Simple Solution For Rooftop Support

20 Year Warranty | 2.0 PSI or Less | Pre-Assembled
Take-Off to Installation | Made in the U.S.A. | Recycled Material



Contact Our Local
MIRO Representative



25200 Jefferson
St. Clair Shores, MI
48081
PH: 586-774-7760
Cindy Zatto
cindy@vesalesinc.com
*Now Stocking MIRO

www.miroind.com

Photos from May 2012

**THANKS TO OUR SPONSORS V.E. SALES INC. AND DIVERSIFIED SPEC. SALES,
THAT CONTRIBUTED TO THIS GREAT INDUSTRY AND ORGANIZATION!**



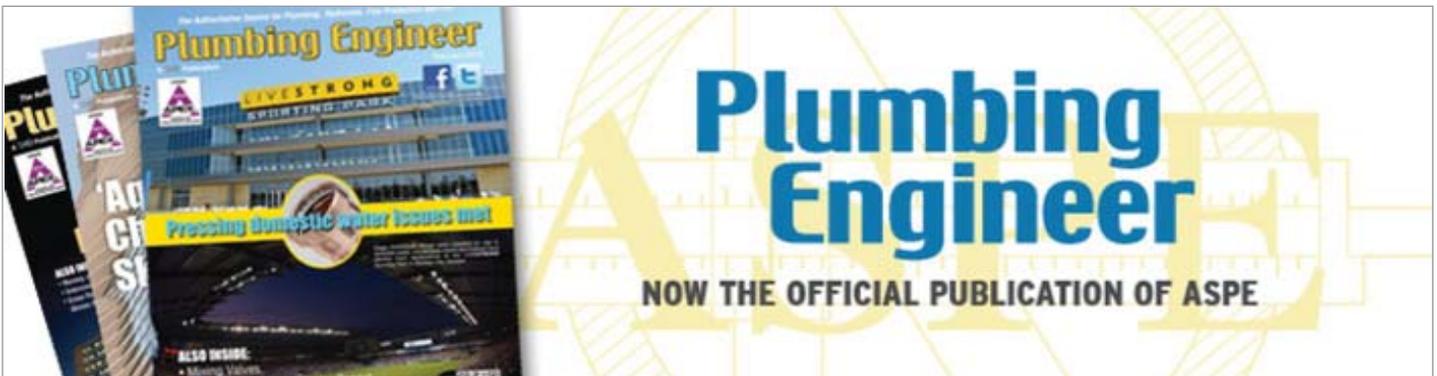


2012–2015 Strategic Blueprint

The ASPE Board of Directors began the process of developing a strategic blueprint to guide ASPE during the next three years in January 2011. As the Board moved forward, draft proposals were shared with ASPE Chapter leaders and members, many of whom provided input, and the Board is very appreciative of all those who took the time to submit comments.

The final document was approved by the Board on October 26, 2011.

Follow this link http://www.aspe.org/sites/default/files/webfm/pdfs/Strategic_Blueprint.pdf to view ASPE’s 2012–2015 Strategic Blueprint.



Elevator Sump Pump Oil Interceptor

Remove Petroleum Hydrocarbons from Elevator Sump Discharges
and Meet new ASME A17.1 Standards for Elevator Safety

Oil Interceptors are required to meet MPC 2009
for Hydraulic Elevator Sump Pump discharge



ESP-INT is rated and tested for
pumped oil and water discharge
at 50 GPM per elevator

Manufactured by:



V.E. Sales - St. Clair Shores, MI 48081
Phone: 586-774-7760 • FAX: 586-774-1490
cindy@vesalesinc.com • 810-343-2713

SPEAKMAN®

the KEY for every application



EDUCATION

- Public Restroom
- Science Lab
- Locker Room
- Janitorial Closet
- Boiler Room

HEALTHCARE

- Public Restroom
- Chemistry Laboratory
- Patient Room
- Nurses Station
- Janitorial Closet
- Boiler Room

HOSPITALITY

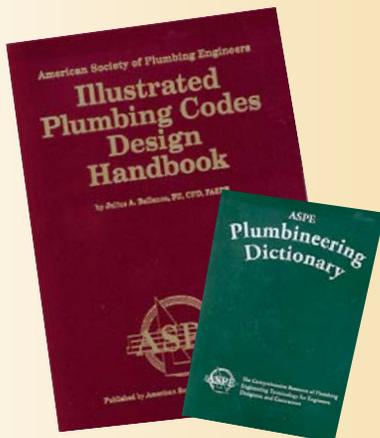
- Public Restroom
- Guest Bathroom
- Kitchen
- Janitorial Closet
- Boiler Room

V.E. SALES CO INC.
25200 Jefferson Ave.
St. Clair Shores, MI 48081
586.774.7760

SPEAKMAN®
Absolutely the best.
SPEAKMANCOMPANY.COM

These two books are available at your local chapter at a
price you can afford.

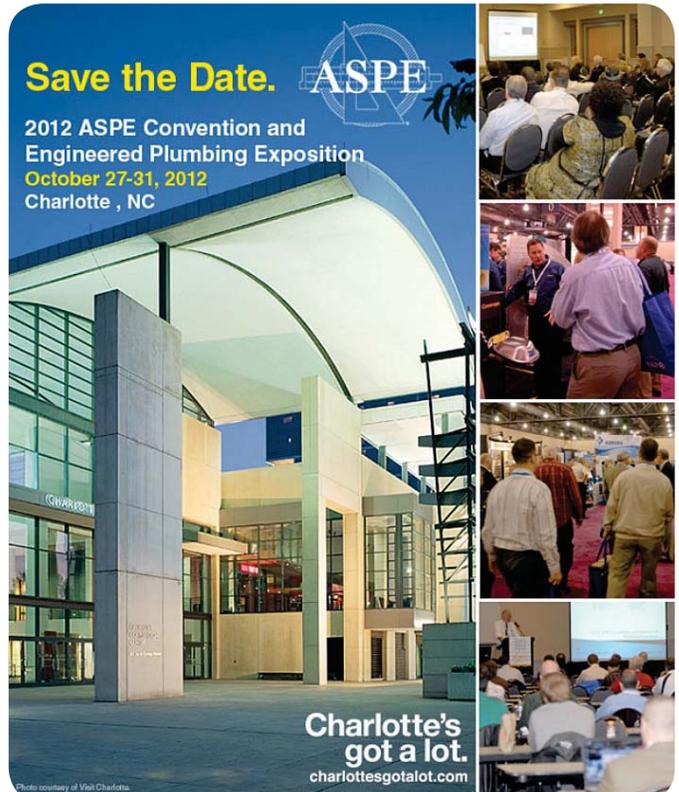
Ask about our BookBundles Today!



Contact John Nussbaum @ 313-341-7661 ext. 211
or email jnussbaum@mcadetroit.org

Save the Date. ASPE

2012 ASPE Convention and
Engineered Plumbing Exposition
October 27-31, 2012
Charlotte, NC



Charlotte's
got a lot.
charlottesgotalot.com


QuantumFlo™
 an exponential leap in pump technology

[Innovation in the Industry]

As a proud ASPE Member, QuantumFlo is committed to excellence and industry innovation.

QuantumFlo is a leader in the manufacturing and distribution of advanced packaged pump systems, and provides pump solutions for commercial plumbing, HVAC, and many other market applications.

View our new website to gain knowledge of industry news, innovative products and reps near you!



.....

Visit us today at: www.quantumflo.com

Joe Hernandez » Quality Water & Air » (248) 589-8010 » joequalitywaterair@gmail.com

C-PORT™

YOUR ROOFTOP SUPPORT SOLUTION

Does Your Customer have Big Pipes?

We've got the perfect rooftop support...

The CES-Extension Series Support is designed as a superior support for Rooftop applications requiring a heavier Load Bearing.

Give your customers the best rooftop equipment support solutions on the market today. C-Ports are adaptable to any solution and won't deteriorate like wood and plastic.

With over 70 different C-Port styles there is sure to be a solution for your project.

Visit us online at www.c-port.net

Call Quality Water & Air today for a quote 248-589-8010

100% Recycled Tire Crumb

Non Penetrating

Dampens Vibration



American Society of Plumbing Engineers
Eastern Michigan Chapter

ASPE EMC BOOK ORDER bUNDLES

SPECIAL PRICING

- * C.P.D. Manual
- * Plumbing Dictionary
- * Tables Handbook
- * Illustrated Plumbing - Codes Design Handbook

BOOK GROUP I CHAPTER MEMBERS

- * Domestic Water Heating Manual - 2nd Edition
- * Siphon Standard - Softcover
- * Vent & Drainage Slide Rule
- * Water Pipe Size Calculator
- * Solar Energy Systems - Hard Cover

BOOK GROUP II CHAPTER MEMBERS

- * Engineered Plumbing Design II
by Alfred Steele, P.E., CIPE & A. Calvin Laws, P.E., CPD
- * Plumbing Technology (Duncan)
- * Practical Plumbing Engineering (Harris)
- * Rainwater Catchment Standard - Soft Cover
- * Advanced Plumbing Technology Book

BOOK GROUP III CHAPTER MEMBERS

- * Hunter Papers
- * PED 1 - 209 HB
- * PED 2 - 206 HB
- * PED 3
- * PED 4

BOOK GROUP IV CHAPTER MEMBERS

* SINGLE PRICING TBD

Book Group (bUNDLE) Ordered:

Book Group I -

Book Group II -

Book Group III -

Book Group IV -

Price: _____

Date: _____

Name: _____

Sign: _____

Call John Nussbaum for pricing at 313-341-7661 ext. 211- Checks payable to ASPE EMC.

Mail to: John Nussbaum, 14801 West Eight Mile Rd, Detroit, MI 48235

Toilet Systems

1.1 GPF High-Efficiency Toilet Bowl + Flush Valve

American Standard

Style That Works Better

americanstandard.com

1.1 GPF SYSTEM INCLUDES TOILET & SELECTRONIC® FLUSH VALVE

- Best Water Efficiency in the Industry (for a Flushometer-type bowl)
- 31% water savings when compared to standard 1.6 gpf toilets
- Extra 11% water savings when compared to 1.28 gpf toilets
- MaP Score: 800 grams of Miso @ 1.1 gpf
- Self-cleaning piston valve with integral wiper spring helps prevent clogging & reduces maintenance



POWERFUL
THINGS
HAPPEN

WHEN YOUR FLUSH
VALVE & TOILET ARE
DESIGNED TOGETHER

MB&A

MEEK | BECK & ASSOCIATES, INC.
Manufacturers Representatives
Detroit 734.458.2950
Grand Rapids 616.530.2060

meekbeck.com

▶ What do the Beach Boys, Mickey Mouse, and T&S low-lead faucets have in common?



▶ They all got their start in California, and they all swept the nation. Although California led the way with the AB1953 legislation mandating low-lead faucets, it's only a matter of time until they are required in all states. And T&S is ready — all of our faucets are low-lead compliant and are available across the country. And, as always, T&S faucets are as rugged and reliable as they come, and meet the requirements of the Buy America Act. Contact your sales rep for more information.

Mickey Mouse® and the Beach Boys® are trademarks of Disney Enterprises, Inc. and Brothers Records, Inc., respectively, and T&S Brass has no affiliation with either such entity.



contributing to LEED certification

RELIABILITY BUILT IN™
www.tsbrass.com • 800.476.4103

T&S plumbing products represented in Eastern Michigan by:
Diversified Spec Sales - 248-398-2400



NOT ALL FITTINGS ARE CREATED EQUAL

The global leader in plumbing, heating and pipe joining systems



Real quality comes from innovation not imitation. With over 112 years of experience in innovative thinking, Viega offers our customers trustworthy products, reliable service and proven quality. Customers trust Viega because our systems have proven themselves over and over again. Viega leads and our competition follows. Viega ProPress is the original press pipe joining solution. Anything else is an imitation.

1-800-976-9819

www.viega.com

**American Society of Sanitary Engineering
Michigan Chapter**

Presents

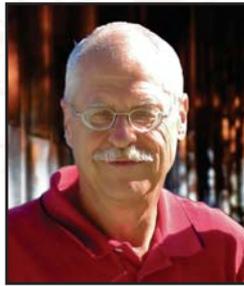
*The Annual Meeting &
Awards Banquet*

Saturday, February 2, 2013 - 6:00 PM

Shriners Conference Center

24350 Southfield Road - Southfield, MI 48075

Open Bar ~ Dinner ~ Entertainment



Keynote Speaker ~ Jim Olszynski

Jim was founding editor of Plumbing & Mechanical magazine in 1984, and until retiring in 2011 held simultaneous positions as Editor of Supply House Times, Editorial Director of Plumbing & Mechanical and Consulting Editor of PM Engineer magazines, all owned by BNP Media Co.

Additionally, Jim wrote a syndicated monthly column titled "Smart Business" that appears in several magazines of BNP Media's Construction Div.

He appears on camera as a plumbing industry spokesperson for the History Channel's Modern Marvels program titled: "Arteries of Civilization: The History of Plumbing." It was first shown in 1997 and has been rerun several times each year since. Jim assisted with production of that show, which grew out of Plumbing & Mechanical's "History of Plumbing" series, which ran in the magazine for a 10-year span during the 1980s and 1990s.

Jim's knowledge of plumbing history led to his being recruited to write organizational histories for several PHC industry groups. These include:

- 100th Anniversary History of the Mechanical Contractors Association of America (MCAA)
- 75th Anniversary History of the Plumbing-Heating-Cooling Information Bureau

<p><i>John E. Matthews Scholarship Raffle</i> Grand Prize: 47" LG 3D Smart HDTV Apple iPad 16 GB Amazon Kindle Fire 8 GB Less Than 500 Raffle Tickets Printed Tickets are on sale now and will be sold at the Banquet. Need not be present to win! Drawing on Saturday, February 2, 2013 \$10 per ticket / 3 tickets for \$25 / 7 tickets for \$50 Great odds to win! A worthy cause for our industry!</p>		<p>If you would like to make a VALUED donation to the John E. Matthews Scholarship Fund please refer to the ASSE Annual Meeting & Banquet registration form for easy instructions and ASSE THANKS YOU for taking the steps to continue this great tradition of helping young people succeed within this important industry.</p>
--	---	---

Contact any ASSE Board Member for raffle tickets: A contact sheet for phone and email is available on the ASPE and ASSE web site.

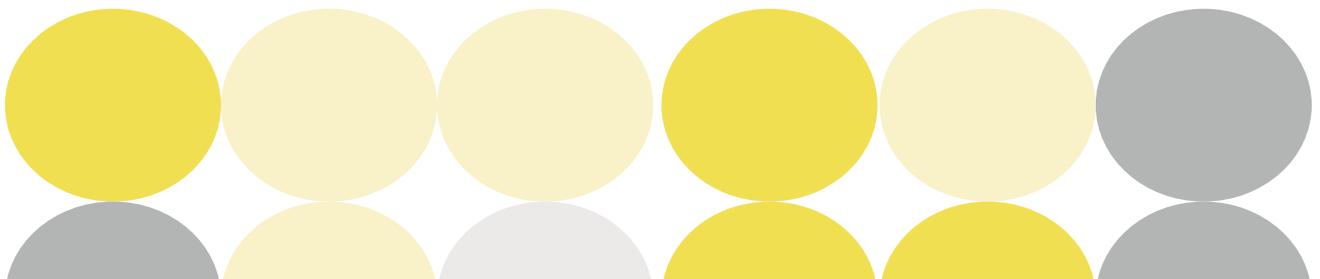
Tickets and forms designed and printed courtesy of the Mechanical Contractors Association of Detroit.

Recipe for A HAPPY ORGANIZATION

1 CAN OF CHEERFULNESS,
1 BOX OF STRONG HUMILITY,
1 BOTTLE OF AMBITION
1 CAN OF PURE THOUGHTFULNESS
1 PINT OF FULL RESPECT
ADD MILK OF HUMAN KINDNESS
MIX ABOVE; GARNISH WITH PATIENCE,
SMILES AND KISSES. SPRINKLE WELL
WITH A SENCE OF HUMOR,
WRAP IN LOVE; BAKE IN A
STEADY FIRE OF DEVOTION.
SERVE IN GENEROUS PORTIONS EACH DAY.
SERVE ONE AND ALL.

**This modified recipe is compliments of Edwin Louis Hawley,
From "Breaking Bread - A Family History Preserved by Seven Sisters."**

JOIN THE SOCIETY



NOTES

BALFREY & JOHNSTON, INC.

Manufacturers' Representatives
P.O.Box 37317
Oak Park, MI 48237
George D. Johnston
Ph 313 864-2800 Fax 313 864-7219
george@balfrey-johnston.com
www.balfrey-johnston.com

MAJOR/LOZUAWAY & ASSOCIATES, INC.

Manufacturers' Representatives
1117 W. Grand Blanc Rd.
Grand Blanc, MI 48439
Mike Ostrowski
Wayne Phillpotts
Ph 810 234-1635 Fax 810 234-8389
moski@lozuaway.com

BURKE AGENCY, INC.

Manufacturers' Representatives
2605-A Oakley Park Road
Walled Lake, MI 48390
Brian Burke, Tom Zimmerman, Brett Young
Ph 248 669-2800 Fax 248 669-3310
bburke@burkeagency.com
www.burkeagency.com

MEEK / BECK & ASSOCIATES, INC.

Manufacturers' Representatives
11875 Belden Court
Livonia, MI 48150
Ross Beck
Ph 734 458-2950 Fax 734 458-2953
meekandbeck@aol.com
www.meekbeck.com

DALE PRENTICE COMPANY

Manufacturers' Representatives &
Application Engineering Solutions Provider
36511 Harding Avenue
Oak Park, MI 48237
Michael Cullen Cell 248 302-5924
Ph 800 536-4700 Fax 248 339-5559
mcullen@prenticeco.com - www.prenticeco.com

PERFORMANCE ENGINEERING GROUP

Engineered Water Products
32955 Industrial Rd.
Livonia, MI 48150
Alan Deal
Ph 734 266-5300 Fax 734 266-5310
www.performanceengineering.com

DAVE WATSON ASSOCIATES, INC.

Manufacturers' Representatives
1325 W. Beecher St.
Adrian, MI 49221
Dave Watson, Jr.
Ph 517 263-8988 Fax 517 263-2328
dwa@davewatson.biz

PLUMB-TECH DESIGN & CONSULTING SERVICES

Plumbing-Piping-Fire Protection & HVAC System Design
Code & Standard Consulting - Forensic Investigations
Litigation Support - CAD - Training Seminars - Tech. Writing
3525 N Dixie HWY, Monroe, MI 48162
Ron George, CPD, President
Ph 734 322-0225 Fax 734 322-2949
www.Plumb-TechLLC.com

**DIVERSIFIED SPEC. SALES, INC./
HOWLEY AGENCY SALES CO.**

Manufacturers' Representative
13261 Northend Ave.
Oak Park, MI 48237-3265
Michael J. Burdette
Ph 248 398-2400 Fax 248 547-4905
www.diversifiedspec.com

QUALITY WATER & AIR, INC.

Manufacturers' Representative
1402 Souter
Troy, MI 48083
Dawn Cole
Ph 248 589-8010 Fax 248 589-8016
qualitywaterair@cs.com
www.qualitywaterair.com

HS/BUY VAN ASSOCIATES, INC.

Manufacturers' Representatives
56 S. Squirrel
Auburn Hills, MI 48326
Jarrett Armstrong
Bill Allen
Ph 888 472-8982 Fax 248 852-0298
info@hsbuyvan.com
www.hsbuyvan.com

R.L. DEPPMANN COMPANY

Manufacturers' Representatives
20929 Bridge Street
Southfield, MI 48033
Chris Leider, Gerry Potapa,
Mark Fine LEED AP®, Paul Prentice, LEED AP®
Ph 800 589-8115 Fax 248 354-3763
sales@deppmann.com - www.deppmann.com

TAGGART-KNIGHT GROUP

Manufacturers' Representatives
32985 Hamilton Court, Suite 102
Farmington Hills, MI 48334
Gary O. Taggart
Ph 248 553-4388 Fax 248 553-4653
info@taggartco.com
www.taggartknight.com

V. E. SALES COMPANY

V. E. Sales is your source for
the finest quality flow control solutions.
25200 Jefferson Ave.
St. Clair Shores, MI 48081
Thomas Van Egmond
Ph 586 774-7760 Fax 586 774-1490
www.vesalesinc.com

TRO SALES COMPANY

Manufacturers' Representatives
3406 West 12 Mile Road
Berkley, MI 48072
Thomas R. Osberger
Ph 248 546-5354 Fax 248 546-3513
tomr@trosales.com

VIEGA

We enhance lives by providing quality,
safe & innovative piping systems
28263 E Greenmeadow Circle
Farmington Hills, MI 48334
Dann Holmes, District Manager - dann.holmes@viega.com
Ph 248 939-2476 Fax 248 615-0759
www.viega.net



MCA Detroit supports
Michigan Chapters of
ASPE, ASSE and
MBPA affiliate
of ABPA

ASPE NEWS

American Society of Plumbing Engineers-Eastern Michigan Chapter

Theresa Green, Newsletter Editor
MCA Detroit / tgreen@mcadetroit.org

Internet Address
http://aspe.org/Eastern_Michigan
Region 2 - Great Lakes
Eastern Michigan

Non-Profit Corporation
Local Chapters Not Authorized To Speak For
The Society

First Class Mail

2011-2012 ASPE-EMC Board and Committee Chairpersons

President

Joseph V. Hernandez CPD
7360 Katrin Drive
Bloomfield, MI 48322
(248) 539-7665
joeh7360@yahoo.com

Vice President Membership

Pam Hartsell
Mechanical/Electrical Designer
Strategic Energy Solutions
4000 W. Eleven Mile Rd.
Berkley, MI 48072
248-399-1900 x222 Fax 399-1901
p_hartsell@yahoo.com

Vice President Technical

Edwin Hawley, CPD
ELH Group, Inc.
2124 Winchester Rd.
Rochester Hills, MI 48307
(248) 656-8253
edwinhawley@att.net

Vice President Legislative

Barry Pines, CPD
C&R Plumbing & Heating, Inc.
51195 Fischer Park Drive
Shelby Twp, MI 48316
(586) 739-8915 Fax: 731-5650
bpines@comcast.net

VP Education

Esteban Cabello, PE, CPD
JRED Engineering, Inc.
5608 Charlesworth St.
Dearborn Heights, MI 48127
(313) 565-5580 Fax 565-9818

Treasurer

John Snyder, CIPD, CPD
31758 Edgeworth Dr.
Madison Heights, MI 48071
(248) 588-8741 Fax: 577-0104
johnsnnyder@wowway.com

Corresponding Secretary

George Johnston II
Balfrey & Johnston, Inc.
P.O. Box 37317
Oak Park, MI 48237
(313) 864-2800 Fax: 864-7219
george2@balfrey-johnston.com

Administrative Secretary (Imm. Past President)

John Nussbaum, FASSE IPP
MCA Detroit
14801 W. Eight Mile Road
Detroit, MI 48235
(313) 341-7661 Fax: 341-1007
jnussbaum@mcadetroit.org

Director

Jeremy Brown
NSF International
789 N. Dixboro Rd.
Ann Arbor, MI 48105
(734) 769-5196 Fax: 827-7129
brown@nsf.org

Director/ Chapter Affiliate

Dann Holmes
Viega
(248) 939-2476 Cell
(248) 616-4099 Office
dann.holmes@viega.com

Director/ Chapter Affiliate

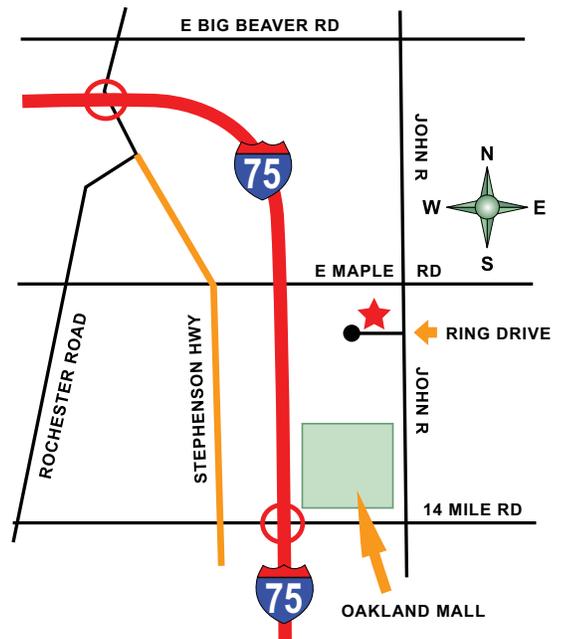
Cindy Zatto, FASSE
V. E. Sales Company, Inc.
25200 Jefferson Ave.
St. Clair Shores, MI 48081
(586) 774-7760 Fax: 774-1490
cindy@vesalesinc.com

Newsletter Editor

Theresa M. Green
14801 W. Eight Mile Rd.
Detroit, MI 48235
(313) 341-7661 Fax: 341-1007
tgreen@mcadetroit.org

Map to the Plumbing Industry Training Center 1911 Ring Drive - Troy, MI

West of and off John R, north of 14 Mile Rd.



ASPE News is published 9 times per year (September through May, plus one summer issue). Yearly advertising rates are \$150.00 per ad for members and \$200.00 for non-members. One time digital full page insert advertisements are \$250.00 for one issue, quarter page (9 issues) \$250.00 - half page (9 issues) \$350.00 - three quarter page (9 issues) \$450.00 and full page (9 issues) \$550.00. Please call Theresa Green for any questions regarding pricing of ads. Checks should be made payable to ASPE E. Mich. Chapter and mailed to the attention of Theresa Green at 14801 W 8 Mile Rd, Detroit, MI 48235. All newsletter digital inserts should be emailed to ASPE-EMC c/o Theresa Green. Circulation 400 - Distributed to: Engineers, Contractors, Inspectors, and other industry professionals in Michigan. for contributing articles contact Theresa Green, Newsletter Editor at: tgreen@mcadetroit.org.