



ASPE NEWS

American Society of Plumbing Engineers

Eastern Michigan Chapter

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Serving our membership since 1975

Vol. 12, Issue 9

Plumbing Design Classes

Elections This Meeting

Date: Tuesday, May 19, 2009
Where: Plumbing Industry Training Center
 1911 Ring Drive
 Troy, MI 48083
SEE map on back page

ASPE HANDBOOK CLASSES

3:30 - 5:30 PM

Basic: Plumbing Estimating
Special: Alternative Pipe Joining Methods
See page 3 for program

Adv: Irrigation Systems **CANCELLED**

DINNER

5:30 - 6:00 PM

Cost: ASPE, ASSE, MBPA Mbrs: NC
 Non-members: \$15.00 FOR DINNER

DESIGN CLASS

6:00 - 8:30 PM

Topic: Advanced Water Restoration
Speaker: Cliff Roe
See page 3 for program & bio

See the full event schedule on our web site.

REGISTRATION REQUIRED

RSVP by the Friday prior to day of class to:

Ed Hawley, VP Tech:
(248) 656-8253 phone
ehawley2382@wideopenwest.com

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PRESIDENT'S REPORT

John R. Nussbaum, IPP, FASSE



What will the Eastern Michigan Chapter of ASPE be offering in education from September 2009 through May of 2010? The Program Committee would like to hear from you, the membership, regarding your needs. What will you need to improve your engineering/job skills? You can let us know by telling us what chapters from the *ASPE Plumbing Engineering Design Handbooks* you would like us to concentrate on. We, again, will have at least two early 2-hour courses and the after-dinner significant/leading

edge topics to keep you current in the latest technology available to you and your clients. You may send your request to me at 14801 W. 8 Mile Rd., Detroit, MI 48235 or call me at (313) 341-7661 ext. 211 prior to June 12, 2009. Better yet...bring them to the May 19th meeting.

The ASPE Symposium October 22nd through October 25th, 2009 will be in Dearborn, Michigan, at the Hyatt Regency Hotel. I will need to know, *way in advance*, how many of you will be taking advantage of this exceptional University of ASPE Educational opportunity here in your own backyard. This is extremely important to the Chapter, so we can get favorable pricing for you, our members. We are also asking that you make your reservations through the Chapter rather than the Society. We are currently in a position that we may be able to offer you a reduced rate. I can not at this writing divulge to you the particulars, come to the May 19th meeting to hear what's going on first hand and be ready to vote on the issues being presented. One of the issues that will be discussed and voted on is the dues rebate issue. It is your money owed to the Chapter. Loads of prizes will be given away and 10, 20 and 30 year pins awarded. There will be an election of Officers and Directors as well. You may very well want to have a say in who leads you next year.

Our congratulations to Ryan Beaudrie for receiving an Alfred Steele Scholarship Award of \$2,500. Ryan, a senior at Lawrence Tech University, is one of our student chapter members and employed by Ron George Design and Consulting Services as a mechanical designer/ CAD operator.

Society Membership: For those of you who are having a hard time due to the economy, the Society understands your dilemma and will endeavor to help you stay a member. Please read the section taken from Stan Wolfson's report, "To Those Who Are Struggling Financially," out of *Plumbing Systems & Design* magazine in this newsletter (see page 2). While we are getting a

continued on page 4

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To Those Who Are Struggling Financially

What if you find yourself financially struggling and along comes the ASPE dues invoice reminder? Rather than just toss it out as an impossible overwhelming expense, please give your Society a chance to help you. While there are limits, we do offer opportunities to help you maintain your membership in the Society.

First and foremost, we can help smooth out your payment of dues with a special payment plan over a period of time. This is not a usual activity and must be handled on a case by case basis. However, rather than let your membership expire, call our Membership Director Stacey Kidd at 773.693.2773. She can help you find a better solution than simply dropping your membership.

Second, if you face a really dire situation, we want you to know that the Society is here for you and wants to help. We do not want you to simply drop out. A special compassion waiver of dues does just that: waives your dues for a period of time until you get back to economic health. This special program permits you to maintain your membership for at least a year and perhaps longer without having to worry about making any dues payment. Best of all, you don't have to worry about making up any past, missed dues payments.

Third, the Society is here to help its members. Call me and talk no matter what the situation. We will help find a solution to keep you as a member of the Society. (Contact me, Stan Wolfson, at aspeexec@aspe.org or 773.693.2773.)

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May Tech Program

Advanced Water Restoration



Cliff Roe

Cliff Roe worked 27 years as a general contractor which included new construction with Walbridge Aldinger and as an operator for underground piping systems at the University of Michigan Hospital in Ann Arbor, MI. In 2002, he started working on a drinking water distribution monitoring system. In 2004, Jim Ridgway, President of DynamOx, brought him in to redesign the DynamOx System, make mechanical design

changes to previously failed testing equipment and demonstrate the science behind this new technology would work.

Program: Henry's Law states: At a constant temperature, the amount of a given gas dissolved in a given type and volume of liquid is directly proportional to the partial pressure of that gas in equilibrium with that liquid. In other words; you cannot dissolve O₂ (oxygen) into H₂O (water) beyond atmospheric at a given temperature. Cliff will demonstrate and explain in layman's terms that the DynamOx System will inject O₂ into H₂O in greater amounts possible stated in Henry's Law! The benefits to all of us from this process are immense. This technology is being applied to wastewater, industrial wastewater, agriculture, farming, the military, river reclamation; basically all industries that produce wastewater. This same DynamOx process will eliminate the odors that are common in these environments too. This process is compliant with both the EPA and NOAA.

Special May Program

Alternative Pipe Joining Methods



Dan McClary got involved in the plumbing industry in 1999 after graduating with a Bachelor of Arts from the Haworth College of Business at Western Michigan University. Dan is the product specialist for Zurn PEX and has worked on a wide variety of large commercial and residential projects. As the Sales Manager for Balfrey &

Johnston, Dan has trained hundreds of plumbers on the proper installation of PEX plumbing systems, in addition to numerous engineer and architect product knowledge meetings. Dan is also the product specialist for the T-Drill mechanically formed tee system for copper piping and the Victaulic PermaLynx copper fitting system.

Program:

Alternative Piping Methods - Dan will present alternative piping methods and the advantages of each.

This special program is in place of Irrigation Systems with Ron George that was previously scheduled for the May Advanced Class and will take place at 3:30 pm.

TECHNICAL REPORT

William Weidendorf



Tuesday, April 21, 2009 was a special treat for everyone who attended because it was held at NSF in Ann Arbor. I arrived late only to have missed Ron George's talk on public swimming pools and decorative fountains. I talked to persons who had attended and they stated how informative the class was on the subject. A tour of the facilities followed, lead by several employ-

ees of NSF. They gave us information on the different types of the labs and the types of testing going on inside the labs. This tour was stopped for dinner provided by NSF. The dinner was followed by a class on Backflow Prevention by Paul Bladdick. Paul went through the process on how to survey a building for cross connections. One thing he pointed out was don't make assumptions on what you see without checking out all perimeters of the installation. There could be items correctly or incorrectly installed based on your knowledge of the installation. I would like to thank speakers Ron George and Paul Bladdick. I want to give a very special thanks to Jeremy Brown of NSF for providing all arrangements at NSF. I would also like to thank NSF employees for the tour of the facilities and NSF for providing dinner.

Bill Weidendorf

Imm. Past President of ASSE

From the Director's Chair

David Rhodes, CRD



This coming Wednesday, May 6th, is the last general meeting and seminar for the Eastern Michigan Radiant Panel Association 2008/2009 season. Calverly Supply, Inc., (six locations across the region), will have a tabletop to show their support of the EMRPA. They also have some exciting announcements regarding their involvement in the hydronic

heating industry. Paul Prentice, with the R.L. Deppmann Co., will present a seminar on "Maximizing Condensing Boilers". Paul will share with us how to squeeze every possible BTU out of a condensing boiler. He has a wealth of knowledge about boilers, pumps, controls and all forms of "Wet Heat".

I encourage each of you to take advantage of this educational opportunity. A Party-sub, chips and sodas will be served.

This past January the Eastern Michigan Radiant Panel Association began meeting at the Plumbing Industry Training Center, 1911 Ring Rd in Troy, MI. I look forward to seeing you there.

Registration and Dinner 5:30 – 6:15 PM

Seminar 6:15 – 7:30 PM

David Rhodes, Director

ASPE EMC

President's Report

continued from page 1

number of new members we would like to retain our current members. Speaking of new members, from May of 2008 to the present, the following named individuals have become ASPE Eastern Michigan Chapter members: Paul Baker, Robert F. Bankstahl, Jeremy Brown, Bradley Costa, David Helwig, Kit Latimer, Conrad Miller, Darren O'Brien, David Orton, James Paschal, Paul Prentice, Josh Reiser, David Rhodes, Mark Rychwa, Rob Teifer, Thomas Weiberg and most recently Allen Verriest from C&R Plumbing.

Our thanks to Rick Johnston, Cindy Zatto and their Membership Committee for a job well done.

To our Manufacturers' Representatives: Again, thank you for your continued support. I assure you that we will maintain the practice of giving you 45 minutes to an hour with the attendees prior to dinner. We will also continue the practice of letting Reps, who so desire, to put on pre-arranged presentations from 3:30 till 5:00 PM and invite your customers, as long as you give me a month in advance notice. I will work with you on a first come first served basis. I would expect that you will also display with a table top display on that occasion and encourage membership to ASPE.

*Your president,
John Nussbaum*

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- BS ME, BSMET, CIPE, CPD or related degree and certification
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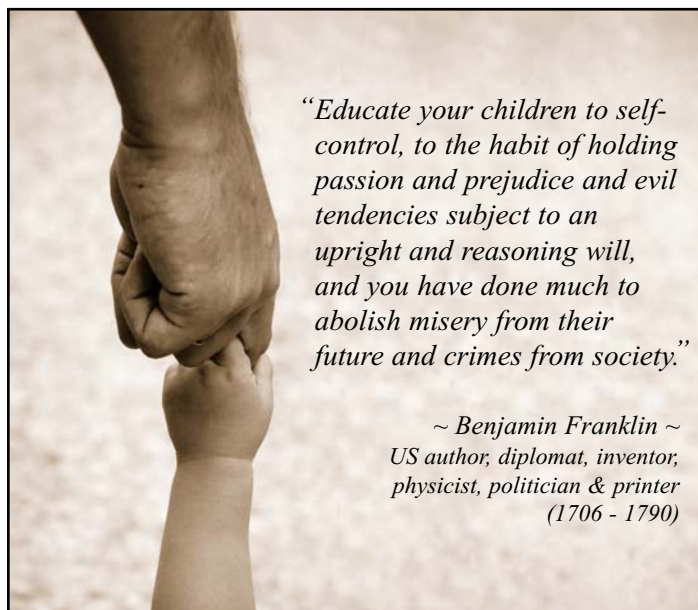
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“Educate your children to self-control, to the habit of holding passion and prejudice and evil tendencies subject to an upright and reasoning will, and you have done much to abolish misery from their future and crimes from society.”

*~ Benjamin Franklin ~
US author, diplomat, inventor,
physicist, politician & printer
(1706 - 1790)*

Electing Chapter Officers and Directors

Support Your Industry - Enhance Your Resumé - Consider Volunteering for a Board Position

If you would like to volunteer and help out the organization that you have chosen to belong to, please read the brief description of available positions. If any of these positions is of interest to you, please contact John Nussbaum at (313) 341-7661 ext. 211 or (248) 866-1400 (cell). No experience is necessary. These positions will be filled at the ASPE meeting on Tuesday, May 19, 2009. The Chapter President and Board of Directors will also present possible Eastern Michigan candidates to the membership for consideration.

Committees (non-elected positions): The Eastern Michigan Chapter has numerous committees including Membership and Affiliate Liaison. Responsibilities vary from attending meetings, assisting Chapter Officers in welcoming new members and assisting at Chapter meetings.

Newsletter Editor/Website Manager: Responsible for organizing articles sent in from the Chapter Officers and publishing them in a monthly newsletter. Forward the newsletter and other miscellaneous announcements to our members. Position responsibilities include: web site manager; e-newsletter editor/designer; print newsletter editor/designer; create monthly program flyers; create yearly program brochure; soliciting ads and line ads each year; maintaining email distribution lists for board, sponsors, members and region chairman; invoicing for ads and maintaining a record; keep a file of published newsletters; communication regarding ad placement; communication with board regarding all of the above.

Corresponding Secretary: Responsible for all intra-chapter correspondence and communication with Society including forwarding copies of meeting minutes to Society and the Region Chairman; Maintains member contact information for the purposes of mailing and faxing.

Administrative Secretary: Responsible for keeping all meeting minutes and forwarding copies to all Chapter Officers.

Treasurer: Responsible for collecting, depositing and disbursing funds related to Chapter finances. Submit a monthly financial report to chapter Board of Directors prepare yearend financial reports.

Vice President, Membership: Planning and implementing membership recruitment programs and membership retention. Responsible for maintaining accurate Chapter roster including member contact information for Chapter membership records and communicates new member information to Corresponding Secretary and Newsletter Editor.

Vice President, Legislative: Responsible for providing viewpoints on codes, ordinances, regulations and standards. Be a

liaison to code writing committees, regulatory organizations and agencies as necessary.

Vice President, Technical: Responsible for planning, organizing and directing all technical activities and events of the Chapter. This also includes arranging the technical presentations for monthly Chapter meetings; including soliciting and billing table sponsors for each meeting. Write a monthly article for the Chapter newsletter.

President: Responsible for providing the Chapter's leadership. Represent the Chapter at other professional society functions and wherever else attendance may be required. Organize and manage Chapter meetings, appoint Committee Chairpersons and maintain and grow interest in the Chapter. Write a monthly article for the Chapter newsletter.

CONSIDER VOLUNTEERING

The Board's primary responsibility is to provide leadership in developing and executing stimulating programs and activities that will aid the membership in the performance of their jobs and advance their technical skills and careers.

Giving of your time and talents as a volunteer or a board member can have a direct and personal impact on causes you care about as well gaining leadership and event planning experience.

It is extremely important in any organization to bring new people on board to be mentored into positions, who will also bring fresh viewpoints and new ideas to the table.

You will have support. We also want to prevent the loss of organizational memory and to tap an abundance of experience and expertise by keeping past board members active.

Volunteering offers a chance for personal growth, to have fun, to share a skill, to have an impact, to be a part of a team and to get to know the people in your field of expertise.

Consider volunteering!

GREAT REFERENCE BOOK

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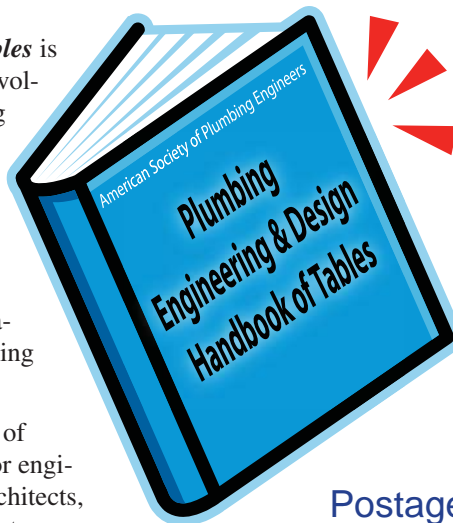
Virtually all engineers, designers and contractors have a plethora of books, from engineering texts and engineering guides to the Cameron Hydraulic Data book to the ASPE Plumbing Engineering Design Handbooks, just to name a few. In addition, there are various tables provided by every imaginable manufacturer, plus what is undoubtedly available on your computer—from manufacturer calculation programs to Excel calculation spreadsheets for the major equations used in the profession.

So why this book? Because like most engineers and designers, you enjoy the tactile feel of looking up data and information in a book, a book that can fit right next to you on your work surface and requires no starting of computer programs and choosing what might be needed. This book is the one you will always keep right at your your side for instant access to the everyday data you need.

The *Plumbing Engineering & Design Handbook of Tables* is a comprehensive reference tool that offers in one source volume all the equations, sizing tables and other engineering and design tables used by plumbing engineers, designers and contractors on a daily basis. The book includes applicable tables and information from the major plumbing codes and standards used throughout the U.S.

This unique book is a collaborative effort of plumbing engineers and designers. It provides the data and information used every day to engineer, design and install plumbing systems.

The handbook (6" x 9", with approximately 2,400 pages of equations and tables) is a working guide and reference for engineers, plumbing system designers, plumbing officials, architects, plant engineers, inspectors, journeymen, students, contractors, builders, and all those associated with the plumbing and contracting industry. It provides data and tables in an easy-to-use and understand format.



INSIDE *Plumbing Engineering and Design Handbook of Tables*:

- 01-Manning Equation: Tables
- 02-Hazen Williams Equation: Tables
- 03-Darcy Weisbach Equation: Tables
- 04-Fixtures-Drains-Vents Tables
- 05-Cold Water Systems Tables
- 06-Domestic Hot Water Systems Tables
- 07-Storm Drainage Rates Tables
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- 09-Fuel Gas Tables
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- 11-Propane Gas Tables
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ASPE NEWS

American Society of Plumbing Engineers-Eastern Michigan Chapter

Mary Chapman, Newsletter Editor
P.O. Box 37317
Oak Park, MI 48237

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

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President

John Nussbaum, FASSE IPP
MCA Detroit
14801 W. Eight Mile Road
Detroit, MI 48235
(313) 341-7661 x 211 Fax: 341-1007
jnussbaum@mcadetroit.org

Vice-President Technical

Edwin L. Hawley, CPD
ELH Group, Inc.
2124 Winchester Rd.
Rochester Hills, MI 48307
(248) 656-8253
ehawley2382@wideopenwest.com

Vice-President Legislative

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

Vice-President Membership

Rick Johnston
Dave Watson & Associates
1325 W. Beecher
Adrian, MI 49221
(517) 263-8988 Fax: 263-2328
rjohnston@davewatson.biz

Treasurer

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

Administrative Secretary

Paul Bladdick
LPB Company
379 Shotwell Court
White Lake, MI 48386
(248) 698-9292 Fax: 698-9227
bladdick@comcast.net

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

Director

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

Director

David Rhodes, CRD
C & R Plumbing & Heating, Inc.
47141 Pinecrest
Shelby Twp., MI 48317
(586) 739-8915 x 59 Fax: 731-5650
drhodes@cr-plumbing.com

Chapter Affiliate

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

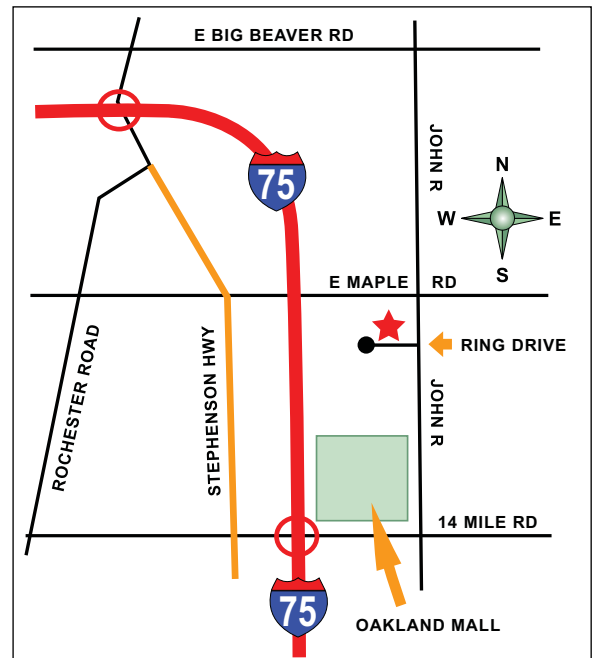
Student Liaison/ Lawrence Tech

Ryan Beaudrie
R. George Design & Consulting
P.O. Box 47
Newport, MI 48166
(734) 322-0225 Fax: 322-3949
ryanbeaudrie@yahoo.com

Newsletter Pub/Web Editor

Mary Chapman
MCA Detroit
14801 W. Eight Mile Road
Detroit, MI 48235
(313) 341-7661 x 210 Fax: 341-1007
mchapman@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.



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