

ASPE NEWS

American Society of Plumbing Engineers

Eastern Michigan Chapter

www.aspe.org/Eastern_Michigan

Serving our membership since 1975

Vol. 12, Issue 10

HAPPENINGS

Michigan Appointments to ICC



Barry Pines

Barry Pines of C&R Plumbing has once again been appointed by the International Mechanical/ Plumbing/ Fuel Gas Code Council as a member of the International Residential Code-Mechanical/ Plumbing Committee (IRC-MP). **Barry Pines** has also been appointed to the

ICC Residential Code Interpretation Committee (RCIC) for the upcoming 2009/2010 Code Development Cycle. The following individuals have been reappointed/ appointed as a member of the International Plumbing Code Committee (IPC): **Robert G. Konyndyk**, Chief, Plumbing Division, Bureau of Construction Codes; **Paul Bladdick** representing the Code Study & Development Group of South-eastern Michigan; and **Jeremy Brown**, Codes & Regulatory Manager of NSF Intl. **Mark Riley**, Inspector Supervisor for the City of Troy, Michigan has been appointed as a member of the ICC Mechanical Code Committee. All appointment terms are effective July 1, 2009 and ends December 31, 2011.

.....
Dave Jones, CPD LEED AP, of the John E Green Company and member of the Michigan Plumbing Board has started a website which includes a blog with updates on various plumbing issues brought up at work and with serving on the State Plumbing Board. They are looking for input on a couple of issues. Please checkout the site and blog at <http://www.michiganmasterplumber.com>

.....
Did you know you could get the latest issue of *Code Works!* (formerly known as *The Bulletin*) on the BCC website at www.michigan.gov/bcc posted on the Publications-Bulletins-Interpretations-Advisories page. (dj)

PRESIDENT'S REPORT

John R. Nussbaum, IPP, FASSE



ATTENTION members and owners of A&E firms, and plumbing and mechanical contractors with engineering department heads and managers:

As the 2009/2010 President of the Eastern Michigan Chapter of the American Society of Plumbing Engineers, it is my pleasure to invite you and your company employees to what will be an exciting educational program year.

The 2009/2010 meeting nights will be held on the third Tuesday of each month beginning in September

2009 and ending in May of 2010. These meetings will be held at the Plumbing Industry Training Center in Troy, Michigan. If you or your firm wishes to put on a program of your own for *your* employees prior to our normal dinner meeting on a meeting day, it can be arranged by calling John Nussbaum at (248) 866-1400.

The 2009/2010 year will feature plumbing and mechanical design classes inclusive of CPD Exam preparation. These are hands-on exercises for the attendees to do in class. Calculators can be used during class. These classes will start at 3:30 PM and end at 5:30 PM in time for a catered dinner and the evening program. Dinners are provided for members or invited guests of our manufacturers' representatives. Once again we are providing basic classes of plumbing and mechanical engineering for the newcomer or persons needing to improve their skills. Manufacturers' representatives will also be presenting

continued on page 4



J. Norman Parks, CPD, CET, Vice President, Technical for the Society, passed away on May 10, 2009. Julius Ballanco, Society President, wrote a tribute to Norm in his May 2009 column, which included condolences from Society members.

On behalf of the Eastern Michigan Chapter of ASPE, we too mourn the untimely death of Norman Parks. Our thoughts and prayers are with the family and close friends and relatives and above all his chapter. Norm will surely be missed as VP Tech on the board of directors, and by us, the chapter presidents. May he be in peace in heaven for we will never forget him.

*Johnny Nussbaum, President
Eastern Michigan Chapter*

inside...

May VP Technical Report	3
May Meeting Photos	5
Sponsors Listings	4 & 7

The Sloan® Solar Collection

Combining environmentally sound technologies with leading-edge electronics, the Sloan SOLIS® is designed to deliver continuous energy and water savings, while reducing operating and maintenance costs.



Sloan SOLIS®
Dual-Flush High-Efficiency Toilet

Sloan SOLIS®
High-Efficiency Urinal

Sloan SOLIS®
Faucet

SLOAN.

Patent Pending

866-663-2289 www.sloanvalve.com

DIVERSIFIED SPEC. SALES
248-398-2400

Strength in Numbers

Members, get your colleagues
to join ASPE today!



Contact Stacey Kidd at
skidd@aspe.org

There is More Than One Good Reason to Spec T&S.



West / East Coast Warehouses
Outstanding Customer Service
Family Owned and Operated

Extensive Product Line — No matter your industry or application, our extensive range of products and services can meet your needs.

24 Hour Quick Ship
Interchangeability
Quality and Innovation
Custom Engineering
Rigorous Testing
Codes and Compliances

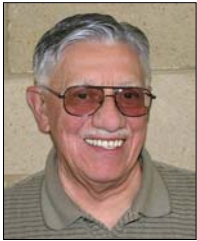


RELIABILITY BUILT IN™
www.tsbrass.com • 1-800-476-4103

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

VP TECHNICAL REPORT

Ed Hawley



The scheduled program speaker for May had unexpectedly taken ill and our gracious supporting vendor, Dann Holmes of VIEGA, came thru for the Chapter with flying colors. He suggested a different topic, “FOG”, the acronym for Fats, Oils and Grease. The system presented, called FOG Eraser and in use since 2003, is manufactured by *PMC Environmental Technologies LLC*, a Michigan based compa-

ny. The newly developed technology is an onsite bio-reactor that treats the wastewater from restaurants prior to discharge into the sewer system. The FOG Eraser Technology was granted U.S. Patent # US 7,182,859 B2 in 2007.

The *PMC* company presenters, Ronald Panter (CEO and co-inventor), Ted Kramer (Sales and Marketing), Jeffery Ostahowski (Governmental Relations and co-inventor), Thomas Herold (Engineering Manager), all having great backgrounds and experiences in their specific fields, make up the completely workable team.

The *point of source* elimination of fats, oils and grease from wastewater is the goal of the FOG Eraser. The environment is the greatest benefactor by the elimination of byproducts of any carbon chemicals. The main reason is due to the EPA ruling under the Clean Water Act of 2001 classifying FOG as a Class 2 Contaminant/Hazardous Waste, i.e. that land applications of bio-solid wastes from grease traps is no longer permitted.

This classification shift has dramatically increased the costs of grease trap maintenance and disposal. Even though a functioning grease interceptor that separates the bio-solids and a good maintenance program of cleaning and disposal will protect the public sewers, those in compliance represent a very small number of systems that prevent the FOG wastes from reaching the sewers. FOG is clogging and blocking more than 50% of the free area of all sewer openings nationwide. The Wall Street Journal reported that 75% of the sewer systems in the United States suffer back flow into homes on municipal sewers.

FOG also creates problems at the waste treatment facility with large amounts of sludge that disrupt the overall treatment operation. This problem has increased the pressure on all municipalities to remove the FOG from the waste water systems. Of the 300,000 plus grease interceptors in the U.S., only a very small percentage are properly maintained. This brings us back to the idea of the *point of source*. FOG is removed where it enters the system, by the digestion of the FOG, using the *nonpathogenic microbes* found in nature. This means no harmful chemicals or cleaners are used in producing treated “gray water” that is safe for the environment, thus eliminating the illegal dumping of the hazardous wastes.

What we learned at this seminar!

We watched a live demonstration of how the FOG Eraser changed the fats, oils and grease into a gray water liquid for discharging to the sewer. The FOG Eraser reduces the percentage of fats, oils and grease in the waste water to less than 1 tenth of 1 percent. The system is very “environmentally friendly” using the patented BIOS GT system to create the perfect environment for the microbes to thrive.

The moment the microbes are released they begin eating the FOG and replicating. No additional chemicals or nutrients are required.

This will present a win, win, win situation for all of the food service industry, event centers and institutions, by eliminating high maintenance and labor costs, damage to existing septic fields, and FOG-related fines. The local municipalities have recorded improved sewer flow downstream and have reduced capital costs (VAC trucks, etc.), maintenance costs and labor and code enforcement costs. Sewerage treatment is also more effective because the microbes continue to digest FOG on the way to the treatment facility, keeping the sewers cleaner. The microbes die off and become a carbon food source for the bacteria used at the treatment plant, again saving the cost of bacteria feeding at the plant.

About the SBIR, applications presently under a contract for the FOG Eraser studies: The purpose and intent of the Small Business Initiative Request (SBIR) study is to establish a new direction for the treatment of fats, oils and grease that can better protect our nation’s water resources. The SBIR is a Federal Government Grant Program. The study application could become the basis for a national change in the management of the FOG Eraser, providing data for the distance of the gray water effects on the sewer lines and show how it is controlling the fats, oils and grease flow. *PMC* has proposed an independent third-party evaluation for SBIR to be conducted by Dr. Michael Dybas, of Michael Dybas & Associates LLC.

Throughout the program presentation, the subject and speakers held the captive attention of the members and guests in the audience, from beginning to end. It produced many good and solid questions for the speakers.

This presentation was also of major interest to the plumbers and addresses many key issues, touching upon hot topics for individuals involved in the construction industry. First, it had the latest technology. Secondly, it could be classified and labeled as a GREEN subject. Thirdly, it could provide a company field work. Fourthly, it’s a chance to be on top of your field of work and earn more income. In today’s world we all need to be very diligent. So Ladies and Gentlemen, please do yourselves a favor and come to the best 3 hours of any evening. Sorry if you missed this good educational and rewarding seminar. I would like to remind everyone of the efforts and time spent by the board and other volunteer members to research, find, contact, and make arrangements—all done almost one year ahead—so there are vital, interesting and timely programs for the membership. Therefore, come join your ASPE partners, your competition, and acquaintances in the great business of plumbing. Thank You.

We would like to thank our tabletop sponsor, Dave Watson & Associates, represented by Rick Johnston.

This meeting had 31 members for dinner catered by Ginny. Thank you, Ginny, for the delicious dinner.

This was the last General meeting of our calendar year 2008-2009. We hope to see everyone back for the all new and exciting programs next fall in the 2009-2010 calendar year.

*Ed Hawley
VP Tech*

President's Report

continued from page 1

classes from 3:30 PM to 5:00 PM on new products, methods and engineering data to keep you informed on changes in the plumbing and mechanical industry.

This year's programming is LEED and Green intensive to keep you prepared for what is coming in water and energy conservation in existing commercial and industrial buildings. Our ASPE/ASSE hosted meetings draw the design professionals, plumbing and mechanical engineers, specification writers, journey and master plumbers and code officials. Education is *key* to everyone in the piping industry; CEU credits will be available to attendees for this year's programming. Our manufacturers' representatives welcome your attendance at these meetings.

The programming is planned to adjourn between 8:00 - 8:30 PM. Look for the brochure in August, which will give you the syllabus of our 2009/ 2010 technical programming, including bios of guest speakers and presenters. I am sure you will find educational topics pertinent to your every day design application needs.

I am looking forward to seeing you and your employees at the meetings and hope the performance questionnaires will be filled out and returned with your comments and suggestions so we can honestly fulfill your expectations and needs.

*Your president,
John Nussbaum*

"Duct tape is like the Force. It has a dark side, it has a light side, and it holds the Universe together."

~ Carl Zwanzig ~

(No one seems to have any idea who Carl is (obviously, a Star Wars fan), nor why he's credited with this phrase - which has been quoted by literally thousands of people in the last fourteen years... but, here's to you, Carl Zwanzig for getting credited for the quote.)



Board members who will serve for 2009-2010 are as follows from left to right: Jeremy Brown (Director), Cindy Zatto (Affiliate Liaison), David Rhodes (VP Technical), Allen Verriest (Director), John Snyder (Treasurer), Rick Johnson (VP Membership), and John Nussbaum (President). Not pictured: Barry Pines (VP Legislative), George Johnston II (Corresponding Secretary), and Paul Bladdick (Administrative Secretary).

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 St.

Southfield, MI 48034

Chris Leider / Paul Prentice, LEED AP

Ph 800 589-8115 Fax 248 354-3763

sales@deppmann.com

www.deppmann.com

2
0
0
9

ASPE Technical Symposium



Mark Your Calendar

October
22-25

Dearborn,
Michigan

May Meeting

Wes Patton, Photographer



REMEMBER TO THANK OUR SPONSORS

GREAT REFERENCE BOOK

The American Society of Plumbing Engineers - Eastern Michigan Chapter is offering this fantastic reference publication to *ANYONE* interested at an *AMAZING PRICE...*

\$100 or \$130 (tabbed)
PER BOOK

DO YOU NEED THIS BOOK?

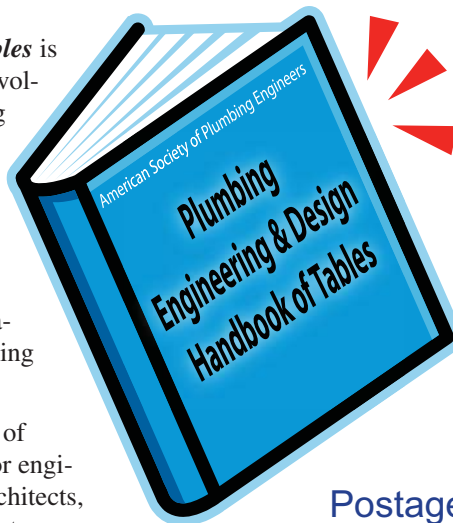
Virtually all engineers, designers and contractors have a plethora of books, from engineering texts and engineering guides to the Cameron Hydraulic Data book to the ASPE Plumbing Engineering Design Handbooks, just to name a few. In addition, there are various tables provided by every imaginable manufacturer, 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
- 08-Vacuum Systems Tables
- 09-Fuel Gas Tables
- 10-Natural Gas Tables
- 11-Propane Gas Tables
- 12-Conversion Appendices Tables

Postage & Handling EXTRA.
Call (313) 341-7661 ext. 205

Mail this completed form with payment to: ASPE EMC * 14801 West 8 Mile Road * Detroit, MI 48235
Checks (*sorry, no credit cards accepted*) should be made PAYABLE to: ASPE Eastern Michigan Chapter
For questions or postage & handling fees, contact Cassandra Mudloff on all order issues at (313) 341-7661 ext. 205

CUSTOMER

COMPANY

ADDRESS

CITY / STATE / ZIP CODE

TELEPHONE NUMBER

_____	@ \$ 100 ea.	= \$ _____	TOTAL
_____	@ \$ 130 ea. (tabbed)	= \$ _____	TOTAL
		\$ _____	TOTAL AMOUNT ENCLOSED

For ASPE of ce use only	
Date received: _____	Cash: _____
Check #: _____	Check date: _____

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

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

DALE PRENTICE COMPANY

Manufacturers' Representatives
26511 Harding Avenue
Oak Park, MI 48237
Ph 888 456-4328 or 248 399-5500 Fax 248 399-5559
Jim Rogers, LEED AP[®]
jrogers@prenticeco.com
http://www.prenticeco.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

**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

LOCHINVAR

High Efficiency Water Heaters and Boilers
45900 Port Street
Plymouth, MI 48170
Jason Loverich
Ph 734 454-4480 Fax 734 454-1790
jloverich@lochinvar.com
www.lochinvar.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

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

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

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

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

TRO SALES COMPANY

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

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

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

First Class Mail

2009-2010 ASPE-EMC Board and Committee Chairpersons

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

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

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

Allen Verriest
46134 Meadowview
Shelby Township, MI 48317
(586) 932-6169 Home
(586) 295-2005 Cell
averriest@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
cindy@vesalesinc.com

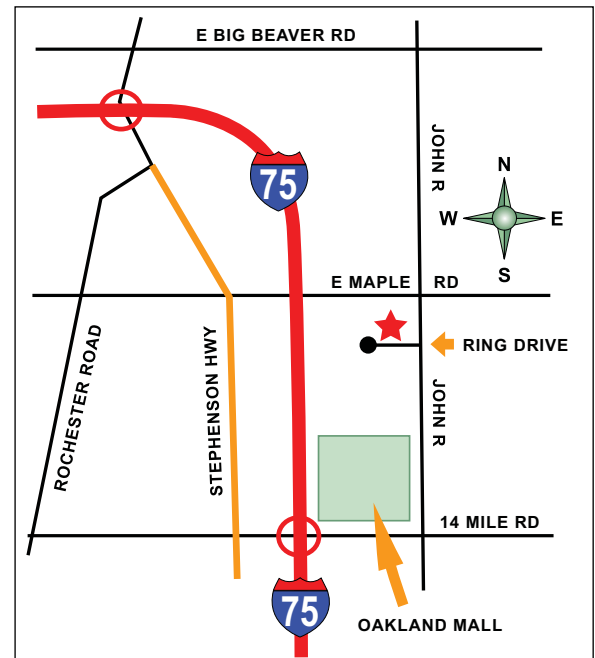
Student Liaison/ Lawrence Tech

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.



ASPE News is published 10 times per year (September through May, plus one summer issue). Yearly advertising rates are \$250.00 per ad for members and \$300.00 for non-members. Insert advertisements are \$250.00 for one ounce and \$100 for each additional ounce. For HELP WANTED ad rates, quarter-page and half-page product ads, please contact Mary Chapman. Checks should be made payable to ASPE E. Mich. Chapter and mailed to the attention of Mary Chapman at 14801 W 8 Mile Rd, Detroit, MI 48235. All newsletter inserts should be mailed to ASPE-EMC Corresponding Secretary George Johnston with a copy sent to Mary Chapman. Circulation 400 - Distributed to: Engineers, Contractors, Inspectors, and other industry professionals in Michigan. For contributing articles contact Mary Chapman, Newsletter Editor at: mchapman@mcadetroit.org.