

February 2005



ASPE NEWS

American Society of Plumbing Engineers

Eastern Michigan Chapter

www.aspeemc.org

Serving our membership since 1975

Vol. 8, Issue 6

Plumbing Design Class

- Date:** Tuesday, Feb. 22, 2005
- Time:** 5:30 - 9:00 PM
Dinner & Class
- Cost:** ASPE & ASSE Members:
No Charge
Non-members: \$15.00
- Location:** PMC Detroit Offices
14801 W. 8 Mile Rd.
- Topic:** Plumbing Specialities
(trap primer, water arrestor)
- Speaker:** George Johnston
Balfrey & Johnston, Inc.
- Sponsor:** Quality Water & Air, Inc.

*Please confirm your attendance with
Wes Patton, VP Tech:
wpatton@ssoe.com
(248) 643-6225 Fax*

JANUARY MEETING RECAP

David Press and Dustin Tiemeyer from Sterling Systems gave us a sterling presentation on AutoCAD and mapping software. The 24 people that attended the meeting brought many questions to the speakers. The meeting was a success, but everyone missed Ginny's cooking!

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PRESIDENT'S REPORT

Esteban Cabello, PE, CIPE

I recently read that Michigan is tied with Alaska for the state with the highest unemployment (7.5% approx.). I hope the construction industry isn't that bad. Spring is right around the corner which typically initiates the construction season. For the last two or three years our area has experienced some contraction. Hopefully, Detroit will turn around and we will all be busy. Speaking of busy, our board has been, and we are planning several events in the coming months. Please note that our meeting date has been changed to Feb. 22 (not Feb.15). George Johnston (our current corresponding secretary), with Balfrey & Johnston, will be our speaker. Upcoming events are as follows, ASPE Night at the Races will be held at Hazel Park Raceway, April 8 (see ad on page 2 for more info). Dan Holohan will be speaking in Southfield on April 28 (see insert for more info). It is mandatory that you register your attendance to any of our regular meetings by contacting Wes Patton (VP Tech) by fax (248-463-6225) or e-mail: wpatton@ssoe.com. This insures an accurate dinner count. Remember, dinner is free for all ASPE/ASSE members.

See you soon,
Esteban

IMPORTANT ANNOUNCEMENT

The ASPE-EMC Board of Directors have voted to move the ASPE-EMC web site under the national domain name, transfer to take place during the month of February. We will no longer have a web response form for class registration or a chapter e-mail address: info@aspeemc.org. HOWEVER, you are still able to register for classes on the Class Schedule web page by clicking on the e-mail link for Wes Patton, who, as VP Tech, is the ultimate recipient of all regular class registrations we receive. Our current web address, www.aspeemc.org, will be online until the end of February 2005. To find us on the national web site, visit www.aspe.org; look for the link for Regions & Chapters; select the Great Lakes Region; under Chapters, select Eastern Michigan and look for the link to our web. Once you have visited our web site through national, bookmark the page in your web browser for quick future referencing. We will continue to maintain our own web site design and information. If you have trouble finding us, call Mary Chapman at (313) 341-7661 ext. 210. She would be happy to walk you through it.

ALSO, February will bring e-mail notification and an easy access link to our electronic version of the ASPE Newsletter (PDF) for those who have supplied us with their email address. Get on the e-mail distribution list by sending an email to mary@pmcdetroit.com.



**ASPE-EMC
Night at the Races
April 8, 2005
Hazel Park Raceway**

Don't Miss a GREAT TIME!

**Tickets: \$25 per person / Table of 6 \$150
Private Room & Betting Window
Buffet Dinner**

For tickets contact

Wes Patton: Ph 248-643-6222 or wpatton@ssoe.com
Derek Brown: Ph 248-643-6222 or dbrown@ssoe.com

**American Society
of
Plumbing Engineers
Eastern Michigan Chapter
2005 Technical Classes**

*Held monthly at the
(except where noted)
PMC of Detroit
14801 West 8 Mile Road
Detroit, MI 48235*

**February 22, 2005 NEW DATE
Plumbing Specialties
(trap primer, water arrestor)**

March 22, 2005
Replacement Standards For ASSE 1016 & 1017

April 26, 2005
Medical Gases

May 24, 2005
To be announced

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 per newsletter for one oz., \$100 for every oz. over. Help Wanted ads, fifty words or less, \$100.00 per issue. For quarter-page and half-page product ads, please contact Mary Chapman. Checks should be made payable to ASPE E. Mich. Chapter and send check with inserts or ad 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: mary@pmcdetroit.com.

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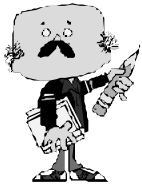
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Professor Plumber sez...

**Bill Grayzar, CPD
VP Education**

Have you ever wondered what it takes to sustain life in outer space outside of a space station or space shuttle?

Well, I got some interesting information about what really goes into a "space suit," known more accurately as an Extravehicular Mobility Unit (EMU), at the ASPE Convention in Cleveland.

What the EMU allows is for humans to work comfortably, safely and effectively in outer space.

Extravehicular Activities (better known as space walks) include such things as refueling and repair of satellites on orbit, retrieval of satellites for refurbishment on Earth, and the

assembly of the international space station. An EMU is sufficient to provide as much as 7 hours of Extravehicular activity per mission with 30 minutes of emergency life support. The EMU, if maintained properly, can have a useful life of almost 30 years.

An EMU is modularized to fit both men and women and serves as a one-person spacecraft, providing protection and earth-like mobility for extravehicular activities. The EMU is sized to fit male and female astronauts from the 5th to 95th percentile. The entire EMU weighs about 275 lbs and is completely self-sustained.

What does the EMU provide?

Assembly of the EMU provides atmosphere containment, high mobility and low torque body joints, thermal insulation, cooling distribution, drinking water, waste collection, sunlight and solar radiation protection, micrometeoroid and debris protection, and simple on-orbit resizing capability.

The EMU also provides Life Support Systems such as oxygen supply, suit pressurization and ventilation, communications, breathing gas purification, temperature control, independent emergency life support, and orbital replaceable unit capability.



For safety, the EMU is constantly monitored by a Caution and Warning system, which monitors containment levels and remaining expendables such as oxygen, water and power.

The EMU has, and will continue to play, a vital role in America's Space Exploration Program by allowing tasks such as inspection, maintenance, repair, construction and even rescue, if necessary, in outer space.

Hope you enjoyed this brief look at what it takes for humans to walk in outer space.

Bill

VP TECHNICAL REPORT Wes Patton, GE

Hello everyone. The January class addressed AutoCAD, and for the month of February we will have a session on Plumbing Specialties. During this class you can get your questions answered about trap primers, water arrestors, etc. Now that we are in the month of February, the end of the ASPE year is fast approaching with three months remaining. Please remember to mark your calendars for March 22, when the chapter will have a session on ASSE 1016 and 1017. This will be a meeting you should avoid missing. Also, there will be manufacturers displaying their products to satisfy these standards. Medical gases and vacuum will be the topics for April and May. Other up-and-coming events to remember are the Night at the Races and the hydronics class. Please remember to pre-register for the classes.

*See you in February,
Wes*

Dan Holohan's
Troubleshooting Steam and
Heating Hot Water Systems

Thursday - April 28, 2005
St. John's Banquet and Conference Center
22001 Northwestern Hwy, Southfield, MI
8:00 AM to 5:00 PM

Up to April 20, 2005 = \$150.00
After April 20 & at Door = \$175.00
Members of Sponsoring Organizations:
Up to April 20, 2005 = \$60.00
After April 20 & at Door = \$75.00
Subtract \$15 for each additional
person from the same company.

See enclosed registration form or visit
the web site for a form (PDF). Questions?
Contact Ron George at rongeorge@charter.net
Visit Dan Holohan's website: www.heatinghelp.com

ASPE NEWS

American Society of Plumbing Engineers-Eastern Michigan Chapter

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First Class Mail

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