ASPEnewsletter

Southwestern Ohio Chapter
October 2011 Volume 30 Issue 3
Chapters are not authorized to speak for the Society

AMERICAN SOCIETY OF PLUMBING ENGINEERS SOUTHWESTERN OHIO CHAPTER
2690 E. Tara Trail
DAYTON, OH 45434-6255
Tel 937-602-2898
Internet www.swoaspe.com

President
Brandt Junker, CPD
TP Mechanical Contractors
Hbrandt.junker@tpmechanical.comH
Tel 513-851-8881
Cell 513-488-6234

Vice President, Technical
Al Fike, PE
HAlfike38@yahoo.comH
Cell 937-602-2898

Vice President, Legislative
Ronald K Bartley, PE, CPD, CPI
KLH Engineers
Hrbartley@klhengrs.comH
Tel 937-220-9700
Fax 937-220-9702

Vice President, Membership/ Affiliate Liaison
Ronald Cobb, PE, CPD
SHP Leading Design
Hrcobb@shp.comH
Tel 513-381-2112

Fundraising Chairman
Jeff Watern, CPD
Helmig, Lienesch, LLC
jwHatern@helmigl.comH
Tel 937-228-4007

Treasurer
Matthew Sciarretti, PE, CPD, LEED-AP
Heapy Engineering, LLC
Hsciarretti@heapy.comH
Tel 937-224-0861
Fax 937.224.5777

Administrative Secretary
Robert McGinnis
Heapy Engineering, LLC
Hrmmcginnis@heapy.comH
Tel 937-224-0861
Fax 937-224-5777

Corresponding Secretary/ Newsletter Editor
HJames N Miller, PE, CPD
Hermdon Engineering Services, Inc
Hjmiller@herndoneng.comH
Tel 513-248-1313
Fax 513-248-2869

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ASPE October Meeting

Date: **TUESDAY, October 18th**

Location: **Greensource** is located in downtown Cincinnati at 19 E.8th St, Cincinnati, OH, 45202.
More info at Hhttp://www.greensourcecincinnati.com/H

Speaker: **Tour of Greensource**

Cost: **$15** at the door or **$90/Year** Meal Assessment

Schedule: 11:30-12:15 PM Tour
12:15-1:00 PM Program and Lunch

Reservations: Contact Bob McCain of BSE at (e-mail) Hrlmccain@bseltd.bizH, (phone) 937-312-0217 or (fax) 937-438-0195 before **MONDAY Oct 17th.** so that a head count can be established. As always, guests are welcome. Bring a friend.

FUTURE MEETING SCHEDULE

All meetings will be held at NIBCO, Inc., in Lebanon unless noted otherwise

Oct 27-30, 2011 Technical Symposium @ Orlando, Florida

November 15th -Ron Bartley, our Legislative VP, will be providing us with a Review of the 2011 Ohio Plumbing code. Ron is uniquely qualified to discuss this topic since he's a registered engineer/ certified plumbing inspector and certified plans examiner, all with the state of Ohio. Ron's got a great sense of humor, which helps when discussing code!

December -Joint Meeting/Christmas Dinner with Dayton Chapter of OSPE. Date to be announced.

Below please find some *tentative* meeting/ tour ideas. Please provide input if you have any other ideas that you'd like us to consider. The meeting schedule will be finished for the September Newsletter.

- Christian Moerlein Brewery Tour -Dinner Meeting
- CWW- Fairfield Tour
- BIM Modeling, Engineering, Coordination to End User
- PreFab Pods & Rack Systems by TP Mechanical w/Tour of TP Mechanical's Fabrication Facility and Mercy Hospital West (under Construction)

From The President…

Wow! September really flew past quickly. Can't believe we're into October already. We've been working hard at putting some interesting tours and meetings together and here's what we've got:

October 18th -Greensource tour. Greensource is a resource building built in 2008 by Monroe Mechanical in conjunction with 50 vendors to create one of the first fully LEED Gold standard buildings in Cincinnati. It's a showcase for Green technology. We're hoping to have a great ASPE turnout as well as some of our ASHRAE and USGBC members too.
Greensource is located in downtown Cincinnati at 19 E.8th St, Cincinnati, OH, 45202.
More info at http://www.greensourcecincinnati.com/

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Legislatively speaking…

● The time has almost come…**effective November 1, the 2011 Ohio Plumbing Code goes into force.** And there will be NO GRANDFATHERING OF PROJECTS DESIGNED UNDER THE 2007 OPC. So pay close attention to the date(s) your project(s) are to be submitted for plan review.

● From around the water cooler comes this:

"I would appreciate knowing your experiences in **using nitrogen to command booms in ORs,** knowing this has the cost of cylinder handling and nitrogen consumption, while this purpose can be served well with instrument air of good quality generated by air compressors, similar to those used for medical air."

The first comment was along these lines:

"This is pretty much a balance of first cost vs operating cost. Unfortunately, I don't have any hard data regarding the full life cycle cost of the two options. Part of the issue is the concept of Instrument Air in the first place.

"You made the statement '...air compressors, similar to those used for medical air.' The problem is that Instrument Air is not similar to Medical Air. Instrument Air was introduced to the 2003 NFPA 99. It is required to meet a much higher standard than Medical Air (200 psig vs 55,filtered to 0.01 microns vs an allowance of 5 mg/m3 of 1 micron particles, 0 hydrocarbons vs 25 ppm, and -40 dewpoint vs 32), the equipment still has to be redundant and either oil free or oil-less, with the same alarms and O2 clean pipe as medical air. The irony is that NFPA 99 prohibits this much cleaner air from being used for respiration.

"I am assuming by 'using nitrogen to command booms' you mean just the holding brake of the booms, not piped to the outlet used to drive medical instruments. It is my opinion that you should be comparing the use of N2 vs good clean dry compressed air and don't use the 'I' word. The use of Instrument Air or N2 is, in my opinion, optional for booms. Unfortunately, some AHJs may not see it that way, so you should check first. Note that many State Health agencies adopt the 2000 NFPA 101. This references the 1999 version of NFPA 99, which does not address instrument air, so as far as they are (or should be) concerned, Instrument Air does not exist."

And there was this:

"I must refer you to "5.1.14.1 Applicability- Support gases (nitrogen and instrument air) shall be gases that are not used for respiration, but are used for powering pneumatic devices (medical-surgical tools, equipment booms, pendants) related to patient care."

And the last word was as follows:

"That would be the point of contention with AHJs. (In my opinion), this says that N2 and IA are (allowed) to be used for booms, and other provisions actively prohibit MA from being used for booms. However, there is no (requirement) to use N2 or IA and only N2 and IA for booms.

"The recent development of the 2012 NFPA 99 sheds some light on the Technical Committee on Piping Systems' intent. Proposal 99-71 submitted by this committee would have modified the definition of support gasses, and the committee's substantiation was "Substantiation: To clarify misperception throughout the industry that Support Gas is required to power booms, pendants and similar devices and make clear that any type air that can accomplish this equipment type's needs is acceptable. Also to clarify that support gas is permitted to be used to blow dry medical instruments in Central Service and Surgical Instrument Processing departments. Unfortunately, this language got lost in the sausage making procedure that is code development, but it is pretty clear that the Technical Committee on Piping Systems believes any type of air can be used."

-Ronald K Bartley, PE, CPD, CPI

From The VP Membership…

I'd like to welcome back a long standing ASPE member to the Southwest Ohio chapter. Dave Dexter has returned to the area and effective October 1st will be switching membership from Central Ohio where he served as chapter president, to Southwest Ohio. Dave is very distinguished and has the following credentials:

· Immediate past-president of the Ohio Society of Professional Engineers

· Ohio's Delegate to the National Society of Professional Engineers 2011/2013

· Central Region Director, NSPE including the NSPE Board of Directors

· Chair of ASPE's Main Design Standards Committee

· Consultant/Contributor to the Ohio Board of Building Standards an Plumbing Unit

· Former Southwest Ohio chapter VPL and President for multiple years

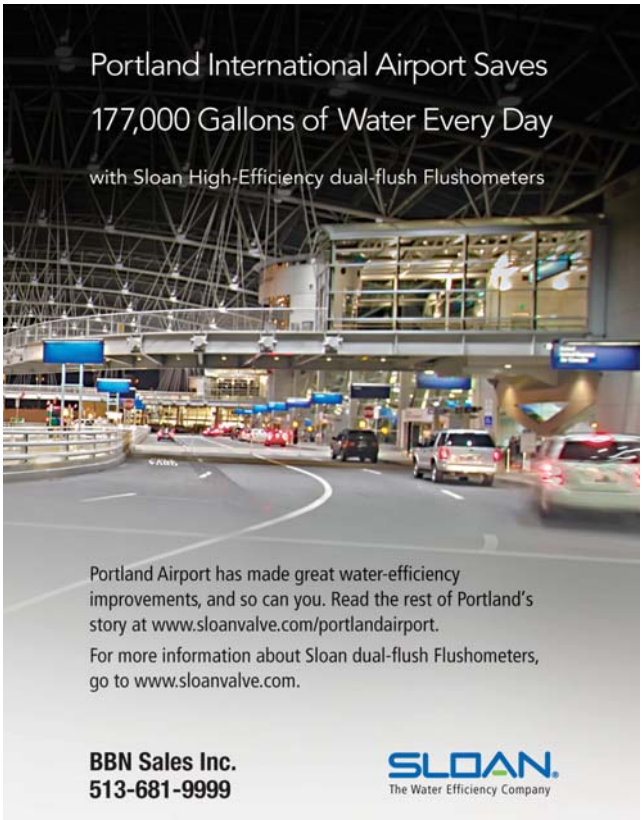
· Inducted into the ASPE College of Fellows in 2008

We look forward to networking with Dave in the upcoming year. Welcome Back!

Total membership for this chapter stands at 63 which includes 42 Full, 4 Associate, 10 Affiliate and 7 Special members.

REMINDER: ASPE has a program, the compensation waiver, which is designed to help a member retain their membership and help with the dues if necessary. You can find information about this program at www.ASPE.org, or feel free to call me (513-381-2112) or e-mail at: rcobb@shp.com.

Ron Cobb, PE CPD
VP Membership



Through the pipes…

● The American Society of Plumbing Engineers is an approved provider and sponsor of continuing education units (CEUs) and professional development hours (PDHs) in all 50 states. Thus, every hour of continuing education that you earn at the 2011 Technical Symposium can be used to meet the continuing education requirements of your professional licenses and certifications, such as PE and CPD.

By attending the 2011 Technical Symposium and participating in five of the 30 exciting educational sessions, you can earn 15 hours of credit. That's 1.5 CEUs or 15 PDHs toward your recertification requirements!

The sessions will cover the hottest topics in the industry, so in addition to earning CEUs, you will be enhancing your knowledge of the most current design techniques and technologies such as:

- Building information modeling
- Rainwater harvesting
- Solar water heating
- On-site water reuse
- Water-conserving fixtures
- Siphonic roof drainage
- Clean agents for fire suppression

The sessions come in six educational tracks, so you can follow one curriculum—such as Sustainable Design or Fire and Life Safety—or mix and match sessions to create your own unique educational program.

The 2011 ASPE Technical Symposium is designed to help you customize and maximize your learning experience, as well as earn CEUs as evidence of your performance capabilities for job advancement. Don't miss out on this unique opportunity to help further your career. **Register today at www.ASPE.org!**

Parting thought…

For everything you have missed, you have gained something else. And for everything you gain, you lose something.

It is about your outlook towards life. You can either rejoice or regret.

-Unknown

Southwestern Ohio Chapter-ASPE
20101-2012 Chapter Meeting Meal Assessment Form

For the 2011-2012 Chapter year, the Board of Directors has established the following individual and corporate meal assessment rates for all regular Chapter meetings:

- ☐ **$90 Individual and Corporate Meal Assessment** (can be used by more than one individual during the 2011-2012 Chapter year)

Please indicate your meal assessment choice, include your check (payable to the Southwestern Ohio Chapter-ASPE and marked "Meal Assessment") and complete the following:

From: _____
_____
_____
_____
Tel: _____
Fax: _____
e-mail: _____

To: **Matt Sciarretti**
Heapy Engineering, LLC
1400 W Dorothy Lane
Dayton, OH 45409-1310

October/November 2011						
Sunday	**Monday**	**Tuesday**	**Wednesday**	**Thursday**	**Friday**	**Saturday**
9	10 Columbus Day	11	12	13	14 Treat yourself; make your reservations!	15
16	17	18 SWO ASPE Chapter meeting	19	20	21	22
23	24	25	26	27	28	29
30	31 Halloween	1	2	3	4	5

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2011 ASPE TECHNICAL SYMPOSIUM

OCT. 27–30, 2011
ORLANDO, FLORIDA

ASPE

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