

ASPE NEWS

American Society of Plumbing Engineers

Eastern Michigan Chapter

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Vol. 12, Issue 4

Plumbing Design Classes

Date: Tuesday, December 16, 2008
Where: Plumbing Training Center
1911 Ring Dr, Troy, MI
SEE map on back page

ASPE HANDBOOK CLASSES
3:30 - 5:30 PM

Basic: Natural Gas & Propane Systems
Adv: Piping Installations & Piping Accessories

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: Applied Hydronic Radiant Heating & Cooling Systems

Speaker: Rudi Tillmann
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

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

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PRESIDENT'S REPORT

John R. Nussbaum, IPP, FASSE, & Anthony D'Ascenzo



I had the privilege of going to Houston, Texas, with Anthony D'Ascenzo (Guardian Plumbing & Heating Inc.) and attend two meetings of significance to the plumbing industry. The first being the Plumbing Contractors of America (PCA) and the second being the Plumbing Council meeting. I was also invited to sit in on the PCA Board of Directors meeting. Attending the PCA educational portion of the conference from Michigan were John and Patrick Jacobs (John M. Jacobs Plumbing & Heating), Anthony D'Ascenzo

(Guardian Plumbing & Heating Inc.), Becky and Bruce Sharp, Jayson Swindell (Bill James Plumbing & Heating), and Rich Gaber (UA Local 98) and myself.

PCA Board of Directors includes staff from MCAA Sean McGuire and John Gentile, Chuck Fell (President), William Erickson (Chair Person), Anthony D'Ascenzo, David J Kruse, Robert Melko, Stan Peters (Executive Director PAMCANI Alliance).

Plumbing Council meeting members include Gary Hamilton (UA), Sean McGuire and Stan Peters (MCAA), Bob Melko (UAC/PHCC), Russ Chaney and Linden Raimer (IAPMO), Tom Gent, Anthony D'Ascenzo and Shannon Corcoran (ASSE) absent.

It was stated that the next UAC Board and Plumbing Council meetings are tentatively set for May 13-16th in Kohler, Wisconsin. Some of what was reported on by Gary Hamilton was that existing buildings' plumbing, mechanical and electrical systems will be 50% of the bulk of work by 2010 growing the service sector. Clean technology will be the next industry revolution. Power is Gold-hello Nuke, Co-Gen, and Energy Revolution. IAPMO, he indicated, was the code of the UA. He also announced that the UA headquarters was moving into a new building in Annapolis, Maryland, in February of 2009. The UA now has a green technology trailer for plumbing display and demonstrations at plumbing industry events across the country. Russ Chaney and Linden Raimer said IAPMO is in the process of writing a green code supplement adaptable to all existing codes to be ready in the beginning of 2010. Council members discussed a joint dedicated marketing and LEED education program for the service and repair portion of the plumbing and mechanical industry to bring existing buildings to a green certification standard. The next PCA and Plumbing Council meetings will be January 22, 2009, at the Chicago Hilton. The World Plumbing Council will meet March 9, 2009, in Frankfurt, Germany.

continued on page 4

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December Tech Program

Applied Hydronic Radiant Heating & Cooling



Rudi Tillmann

Rudi Tillmann is the ProRadiant Product Manager at Viega NA. Rudi has worked for Viega for 7 years, 5 as a product and radiant design engineer and two as their Product Manager. He received his degree in mechanical engineering from the University of Applied Science in Cologne, Germany. During his studies he focused on mechanical hydronic radiant heating and cooling systems. One of Rudi's tasks at

Viega is to transfer technology knowledge from Europe to North America and vice versa. Rudi is an active member of the RPA and ASHRAE.

Program: Presenting hydronic radiant heating and cooling as an energy efficient and comfortable technology as an alternative to solely air-based heating and cooling systems. Design overview and features/benefits of radiant heating and cooling systems. Performances and limitations of water-based radiant heating and cooling systems. Targeted applications.

SPECIAL ANNOUNCEMENT

The next scheduled
CPD exam
will take place on
April 17 or 18, 2009.

Registration opens
January 5, 2009.

VP TECHNICAL REPORT

Edwin Louis Hawley, CPD



Our November guest speaker was Brad Rutherford, manager for Ferguson Enterprises, Inc., (Detroit Region) and his topic was "The Theory of Radiant Heat and Design". Brad has 27 years of experience in the plumbing and heating supplies industry. He is a RPA Certified installer and Designer, a Uponor Certified Designer and licensed by the State of Michigan as a Boiler Installer and a Builder.

Along with all this great experience, Brad included a 22 page handout of his PowerPoint presentation. The systems indicated and illustrated basic applications of units, valving, controls, specific equipment, panels, buffer tanks, heaters, boilers, sensors, all combined in a proper order with CAD type drawings.

We were presented with a timely and very good topic by a great presenter, handout material... a total complete package on the subject, "The Theory of Radiant Heat and Design". I'm really very sorry for those of you who did miss this program.

Vendors, thanks very much, for supporting this program. Attendees, you can show your appreciation by visiting each tabletop display.

- ◆ Dave Watson Associates, Inc., rep. Rick Johnston.
- ◆ Balfry & Johnston, Inc., rep. George Johnston.
- ◆ V.E. Sales Company, rep., Cindy Zatto.
- ◆ Performance Engineering Group, Allan Deal & J. Turnquist provided a complete set of design drawings for a display.
- ◆ Viega, rep. Dann Holmes

At the December 16, 2008, meeting, we will present Rudi Tillmann, who is the ProRadiant Product Manager at Viega North America. He is planning a program of design overviews and features/benefits of Radiant Heating and Cooling Systems. Looking forward to another good turnout, in this series covering the Radiant Heating and Cooling, make your plans now!

Ed, VP Tech



DON'T MISS

NEXT MONTH'S DESIGN CLASS

JANUARY 20, 2009

RADIANT CONTROLS

Presenter: Rob Buyze

President's Report

continued from page 1

The attendees at the PCA Conference had many choice programs to choose from. To name just a few: How Positioning Your Company Develops Your Business, Setting up a CAD and Coordination Services Division, Contract Clauses, Water Efficiency in High Performance Buildings, Evolution of CAD from 2D to BIM, Best Practices for Plumbing Pre-Fabrication, Developing Your Middle Management, Codes Updates, and Plumbing Service. Conference attendees were bused to a sponsored barbeque dinner at CFI Mechanical, hosted by Chuck Fell. His key personnel were on hand to showcase this modern plumbing pre-fabrication operation from design to ready for shipping to the job site. We were impressed.

A high point of these meetings that caught my attention was that an invitation would be initiated to have representation on these committees from ASPE. I was asked to contact Julius Ballanco and have him get in touch with PCA staff person Sean McGuire. This was done on my return home from the conference. ASPE representation would enhance both the PCA and the Plumbing Council. Julius indicated he would follow through on this initiative.

*Your president,
John Nussbaum*

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PLUMBING DIVISION STATE PLUMBING BOARD

A. Michael Buday of Traverse City,
president of ABI Mechanical
Contractors, past president of
Michigan Plumbing & Mechanical

Contractors Association, has been appointed to represent licensed plumbing contractors who hold a master's license for a term expiring June 30, 2011. He succeeds the late MPMCA Past President Charlie Swindell. The State Plumbing Board makes recommendations per the plumbing code rules and licenses plumbers in the state.

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NOVEMBER TECHNICAL DESIGN CLASS

Wes Patton, Photographer



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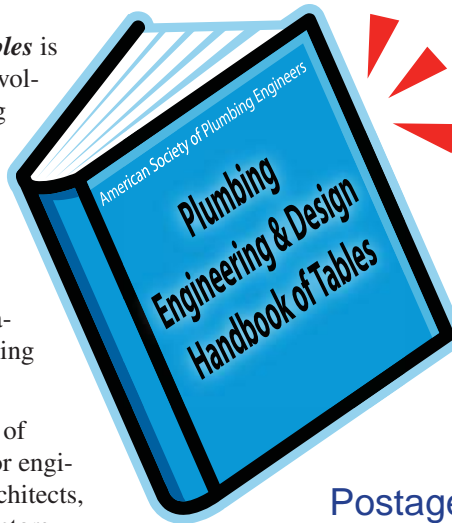
Virtually all engineers, designers and contractors have a plethora of books, from engineering texts and engineering guides to the Cameron Hydraulic Data book to the ASPE Plumbing Engineering Design Handbooks, just to name a few. In addition, there are various tables provided by every imaginable manufacturer,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

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Dumb/Fun Sports quotes...who said it?

1. "I dunno. I never smoked any Astro turf."
2. "I was thinking about making a comeback, until I pulled a muscle vacuuming."
3. "I may be dumb, but I'm not stupid."
4. "I know I am getting better at golf because I am hitting fewer spectators."
5. "(We) should be allowed to wear shorts. God almighty, (LPGA) women are allowed to wear 'em, and we've got better legs than they do."

1. Tug McGraw, asked whether he preferred grass or Astro turf (MLB Relief Pitcher; b. 1944-d. 2004), 2. Johnny Bench (MLB Catcher; Cincinnati Reds), 3. Terry Bradshaw (Former football player/announcer), 4. Gerald Ford (38th US President; b. 1913-d. 2006), 5. Greg Norman (Australian Pro Golfer)

ASPE NEWS

American Society of Plumbing Engineers-Eastern Michigan Chapter

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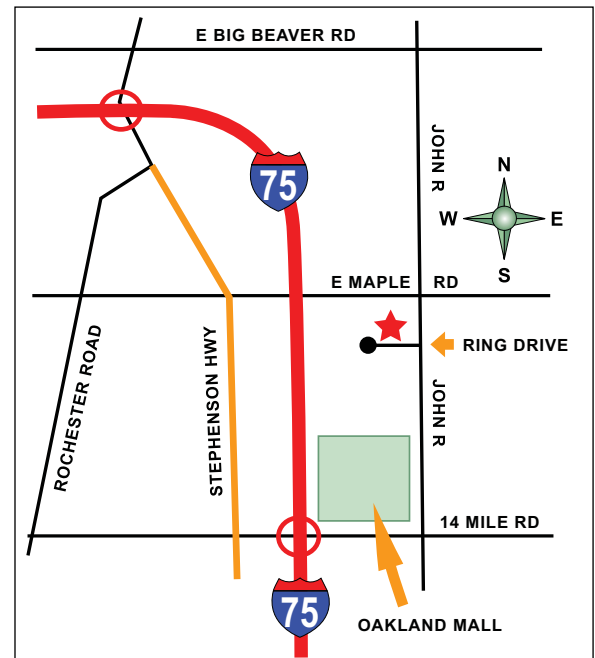
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