



ASPE NEWS

American Society of Plumbing Engineers

Eastern Michigan Chapter

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Vol. 12, Issue 6

Plumbing Design Classes

Joint Meeting with ASHRAE & EMRPA

Date: Tuesday, February 17, 2009
Where: Plumbing Training Center
 1911 Ring Dr, Troy, MI
SEE map on back page

ASPE HANDBOOK CLASSES
 3:30 - 5:30 PM

Basic: Domestic Hot Water & Hot Water Recirculation & Code
Adv: Gasoline, Diesel & Fuel Oil Piping & Dispensing Systems

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: SOLAR TODAY
 "What's New Under the Sun"
Speaker: Bob Rohr
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



Southeastern Michigan is well represented nationally on ASSE Committees again in 2009. As many of you know, ASPE, ASSE, MBPA members and our Manufacturers Representatives have been networking well together. In many instances our members have memberships in more than one association. Having joint meetings have united our various trade disciplines into recognizing that we collectively make up the Plumbing and Mechanical Industry here in Southeastern Michigan. Our ASPE/ASSE monthly meetings have

grown into a well rounded mixture of attendees coming from Contractors, Design Professionals, Organized Labor, Code Officials and Manufacturers Representatives. When our code group meets, it is a true consensus group that is well respected at the national code hearings with representation on the International Code Council Committees in Plumbing, Mechanical and Residential.

I am delighted to name some of your peers and the ASSE Committees that they are serving on in 2009:

Backflow Advisory—Paul Baker, Plumbing Industry Training Center (PITC); Paul Bladdick, LPB Company

Chapter Officer's Training—Esteban Cabello, P.E., CPD, FASPE; Paul Baker, PITC Instructor & Local 98 Member

Codes—Paul Baker, PITC; Paul Bladdick, LPB Company; Barry Pines, CPD, C&R Plumbing

Cross Connection Control Technical—Paul Baker, PITC; Paul Bladdick, LPB Company

Energy & Water Conservation—Ronald L. George, CPD

Fellow Award—Paul Bladdick, LPB Company

Legionnaires Disease—Ronald L. George, CPD

Past International Presidents—John Nussbaum, IPP FASSE

Plumbing Nomenclature—Ronald L. George, CPD, Chairperson

Plumbing Standards Magazine—Paul Bladdick, LPB Company

Plumbing Testing Laboratory—Ronald L. George, CPD

Product Standards—Ronald L. George, CPD

Professional Qualifications Standards—Paul Baker, PITC; Paul Bladdick, LPB Company; Ron Chapman, CPD; Barry Pines, CPD, C&R Plumbing

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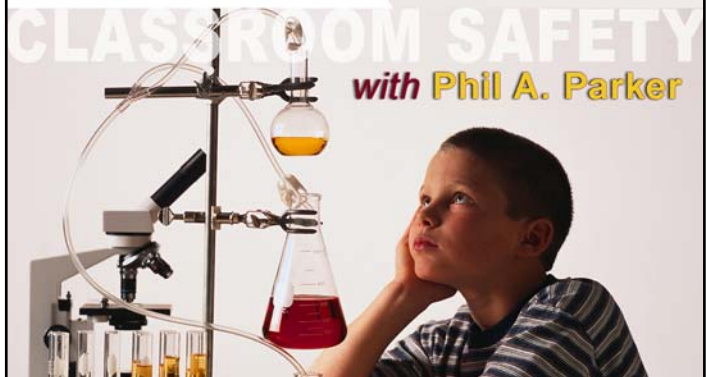
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February Tech Program

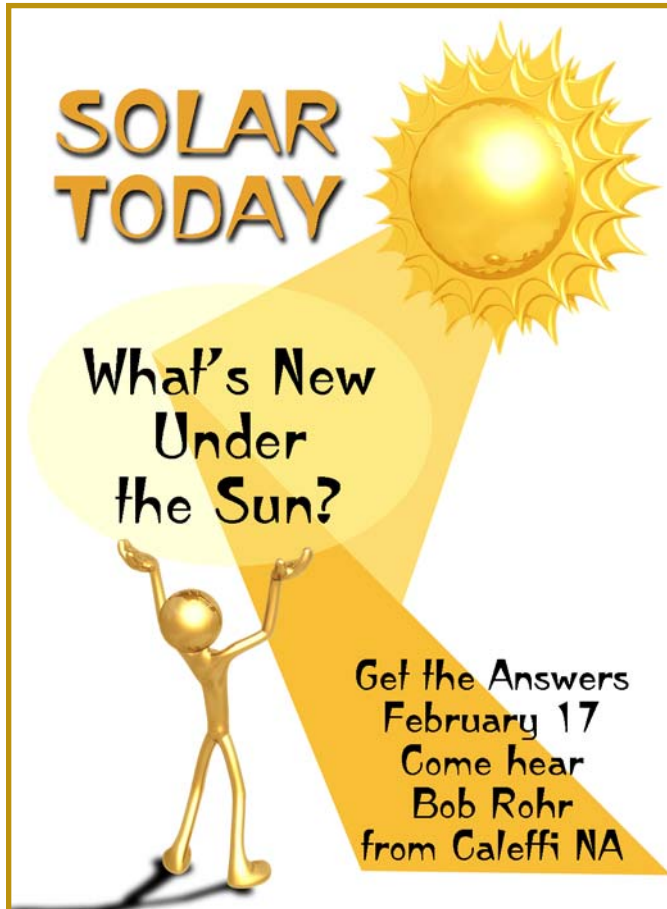
Solar Today “What’s New Under the Sun”



Bob Rohr

Bob “hot rod” Rohr has been a plumbing, radiant heat and solar contractor and installer for 30 years. A longtime RPA member, and columnist for *PHC News* and *Mechanical Business* magazine. Bob has joined Caleffi North America as manager of Training and Education. Caleffi is a worldwide leader in innovative hydronic solutions and now creating innovation into solar water and space heating.

Program: Join Bob “hot rod” Rohr from Caleffi as we explore new solar and hydronic products. See some clever and unique products and learn how to integrate solar into your hydronic mix. Join the Caleffi Team as we explore design and piping concepts for solar thermal. We will go over various software design products to determine solar fraction for your specific area. We will then go into piping, storage and control options for DHW and hydronic heating applications. Learn to determine what system design will fit the project best both from a design and budget standpoint.



VP TECHNICAL REPORT

Edwin Louis Hawley, CPD



We thank our guest speaker, Rob Buyze, for the strong and excellent presentation. Rob is president of HS Buy Van Associates, with over 20 years of practical experience in the field of control strategies for heating and cooling, always incorporating both air and water equipment systems, making sure that they are communicating with each other for the maximum efficiency and results. Energy savings are

achieved by preventing inefficient simultaneous heating and cooling within the zone, integrating control functions of HVAC equipment to work together for *optimum system performance and efficiency*.

Rob spoke of the following points as some powerful examples that describe the benefits provided to the end-user by intergrading control functions:

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- ▼ Helping improve Boiler efficiencies; to optimize with controls to minimize short cycling
- ▼ Cooling Groups; Communications between thermostats
- ▼ Optimum Start / Stop Function, using Programmable Schedules

To further our knowledge in this field many more hours will be needed, but we have a good starting point with Rob’s presentation and handouts.

Remember to thank the wonderful Tabletop Sponsors for their support by stopping by their display tables. We wish to thank the following January Sponsors:

- Viega—ProRadiant Systems and a global leader in plumbing and heating systems, Dann Holmes, representative
- Balfrey & Johnston—representing KD Navien, Tankless Water Heaters, George Johnston II, representative

The February 17th meeting will be a joint venture with ASPE, ASHRAE, and RPA members for **Solar Today “What’s New Under the Sun.”** There will be a full house with members from all the organizations. Our presenter will be Bob “hot rod” Rohr, who is the manager of Training and Education for Caleffi North America. Don’t miss this hot topic on Energy with the latest demands. So join us so you can keep up-to-date in your field of Engineering.

Let’s have fantastic attendance by everyone and we will set a new record, so register early, or as soon as you can.

Ed, VP Tech

President's Report

continued from page 1

Publication & Public Relations—Paul Bladdick, LPB Company

Resolutions—John Nussbaum, IPP FASSE, Chairperson

Seal Control Board—Ronald L. George, CPD (Alternate Engineer)

Technical—Ronald L. George, CPD; Barry Pines CPD, C&R Plumbing

ASSE/NFPA Liaison—Thomas Mraulak, PITC Instructor, Chairperson

Over the years we have set an example of what working collectively as one plumbing industry can accomplish. Joint meetings have kept us current in all new materials, methods and designs to enable us to serve the consumers our customers the general public, giving them a healthy and safe environment to live and work in on a daily basis. We have set an example for other chapters to follow and from what I am told many are considering following in our footsteps.

Our January 20th meeting showed a smaller turnout then we are used to seeing. I have been told that the extreme weather conditions we were faced with was the cause and not the program. We are expecting a large crowd at our February 17, 2009 joint meeting with ASHRAE. I am looking forward to seeing you all there. I wish every one of you a happy, healthy and prosperous new year.

*Your president,
John Nussbaum*

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

1. "I don't care what the tape says. I didn't say it."
2. "It's a partial sellout."
3. "You better cut the pizza in four pieces because I'm not hungry enough to eat six."
4. "Any time Detroit scores more than 100 points and holds the other team below 100 points, they almost always win."
5. "I really lack the words to compliment myself today."











1. Football coach Ray Malavasi (b. 1930 - d. 1987). During his career he served stints as head coach for the Denver Broncos and the LA Rams. 2. Atlanta Braves broadcaster Skip Caray (b. 1939 - d. 2008), trying not to say the game has only drawn 6,000 fans. 3. The Wis-Dumb of MLB's catcher/manager, Yogi Berra. 4. Doug Collins, former head coach of the Detroit Pistons (1995-98). 5. Three-time Olympic gold medalist, Alberto Tomba, Italian alpine skier.

REMINDER

The next scheduled CPD exam will take place on April 17 or 18, 2009. Registration opened January 5, 2009.

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Cindy Zatto, Photographer



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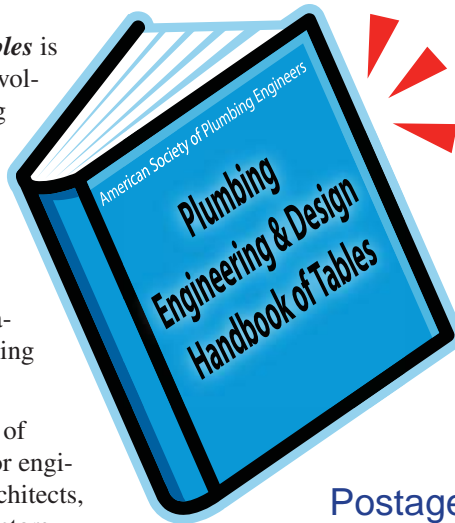
Virtually all engineers, designers and contractors have a plethora of books, from engineering texts and engineering guides to the Cameron Hydraulic Data book to the ASPE Plumbing Engineering Design Handbooks, just to name a few. In addition, there are various tables provided by every imaginable manufacturer, 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
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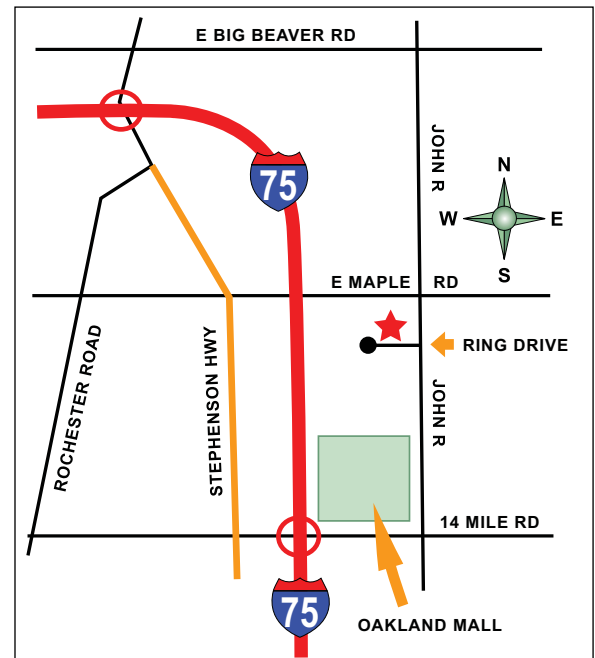
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