

# ASPE NEWS

American Society of Plumbing Engineers  
Eastern Michigan Chapter  
www.aspe.org/Eastern\_Michigan

Serving our membership since 1975

Vol. 8, Issue 9

## Plumbing Design Class

**Date:** Tuesday, May 24, 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:** Applications & Design  
for Backflow Prevention  
**Speaker:** Ronald Chapman, CPD  
Im. Past President, ABPA  
**Sponsors:** TBA

Board of Directors Elections  
will take place at this meeting.

**PLEASE CONFIRM  
your attendance with**

Wes Patton, VP Tech:  
wpatton@ssoe.com  
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## PRESIDENT'S REPORT

Esteban Cabello, PE, CIPE



Our April meeting was not as well attended as in the past, but those in attendance (22 people) learned a great deal on hospital equipment and their requirements as it relates to medical gases. I would like to thank Colleen Anderson once again for her time and excellent presentation. I would also like to thank our generous sponsors: Dane Badgero with Nibco, Merrill Green with Charlotte in conjunction with Brett Young, and Tom Zimmerman of the Burke Agency. Our 'Night at the

Races' was fun for 70 lucky people and Hazel Park will no doubt be our new home for you pony enthusiasts. I'm sure everyone had more luck than me, but, oh well, maybe next year. Thanks to Wes Patton for chairing the event. Our next meeting is our last one before summer break, but it will be an important meeting. We will have elections, awards and learn about backflow prevention. Make sure you attend in order to cast your vote!

Your president,  
Esteban

## Race Night Fun!



SEE event photos on page 4 - Hazel Park Raceway was THE fun place to be on Friday, April 8th for ASPE-EMC's Night at the Races!

## ICC Code Hearings

John Nussbaum, IPP FASSE

February 25-28, 2005  
Cincinnati, Ohio



Michigan was well represented at the most recent International Plumbing Code Hearings. The Code Study and Development Committee of Southeastern Michigan (CSDCSM) was represented by John Nussbaum PMC Detroit, Carl Schroeder and Gil Wilkinson of the Plumbing Industry Training Center - Plumbers Local 98, Paul Bladdick of LPB Company, Barry Pines, CIPD, of C & R Plumbing and Ron George, CIPE/CPD, of R. George Design & Consulting Services. Representing the State of Michigan were Henry Green, Executive Director of the Bureau of

continued on page 5  
See ICC Code Hearings

"Adversity has the effect of eliciting talents, which in prosperous circumstances would have lain dormant."  
-Horace

"Challenges are what make life interesting; overcoming them is what makes life meaningful."  
-Joshua J. Marine

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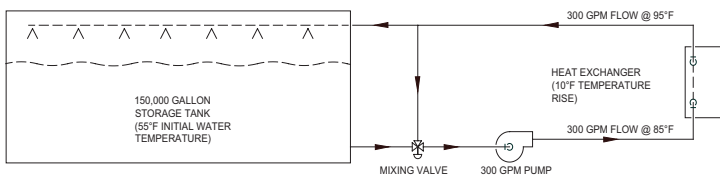


# Professor Plumber sez...

**Bill Grayzar, CPD  
VP Education**

## Test Your Skills

In the following diagram, 85°F water is being pumped from a holding tank at a rate of 300 gpm through a heat exchanger with a 10°F temperature rise. A three-way mixing valve is utilized to maintain a constant 85°F water temperature to the heat exchanger.



Given a tank capacity of 150,000 gallons of 55°F water at start-up and forgetting heat gain from the pump and heat loss from the tank, how long will it take for the water in the tank to rise to 85°F?

Hints: Specific Heat of water = 1 btu/(lb x °F)) and (1 gal. water = 8.33 lbs.)

**GOOD LUCK!**

Look for the solution and answer in the summer newsletter.

## Thank you

To those of you who do not know, I am resigning as V.P. of Education for the Eastern Michigan Chapter of ASPE, effective May 2005. Due to my involvement in several organizations, I have reached a point where something has to go. Unfortunately, my role as a board member in ASPE is one of them. I will, however, try my best to keep up the Professor Plumber Sez article each month in the newsletter. It has been a pleasure and an honor to have been elected to the ASPE board in the first place and I hope that in the future I may have the time to, once again, take an active role in the organization.

Just a reminder, May is the time when we elect new board members for the upcoming year, and make no mistake, our chapter is looking to its members for candidates and support.

I will see you at the next ASPE meeting.

**Bill**

## VP TECHNICAL REPORT

**Wes Patton, GE**

Hello, everyone. We thank Colleen Anderson for an excellent presentation on medical gases, vacuum pumps and anesthesia gas waste. I'm sorry that a family emergency kept me from attending the session, but I heard that the topic was fully addressed with information that will aid you in future projects. Twenty-two members attended this event. I would to thank all of the sponsors that made this event a great success. The last class meeting for this season is Tuesday, May 24, 2005 with the topic of backflow preventers being addressed that evening. This class will be very interesting, speaking of water cross contamination issues is always a hot topic with city officials. Please remember to pre-register for the classes so that the caterer will get an accurate count.

See you at the next meeting,  
Wes

## Speaker Bio

**Ronald J. Chapman, CIPE/CPD**

Ron Chapman has worked at Ford Engineering & Research Center in Dearborn, Michigan for over 32 years. He is a master plumber by trade and maintains certifications in backflow assembly tester and water operator; and is Certified in Plumbing Engineering. Ron is active in many trade-related associations and currently serves as the American Backflow Prevention Association Immediate Past President and the chairman of ABPA National External Affairs Committee.

## ELECTION BALLOT

**2005 - 2006**

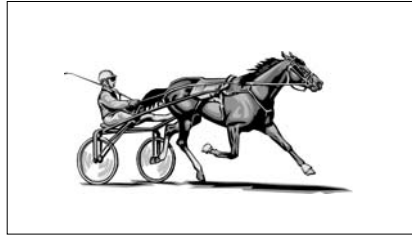
The annual election for the Eastern Michigan Chapter ASPE Board of Directors will be held on Tuesday, May 26, 2005 at the May general meeting. The voting will take place prior to the meeting/ class. Below is a sample ballot with the names of the candidates.

### Proposed slate of officers:

- President:** Esteban Cabello, PE, CIPE
- Vice President Technical:** Phillip McCrory
- Vice President Legislative:** (open)
- Vice President Membership:** Cindy Zatto
- Adm. Secretary:** John Nussbaum, FASSE, IPP
- Treasurer:** John Snyder, CIPE
- Corresponding Secretary:** George Johnston

# ASPE - EMC's Night at the Races

Special thanks to those who were able to join us at the Hazel Park Harness Raceway on Friday, April 8th. We shared a relaxing and fun evening among old and new friends. If you missed out this time, please consider joining us next year and bring your spouses and friends. You won't regret it!



## IPC Code Hearings *continued from page 1*

Construction Codes, Robert Konyndyk, Plumbing Division Chief, and Wayne Jewell, head of the Building Department City of Southfield Michigan.

Carl Schroeder is a member of the International Plumbing Code (IPC) Committee for this code cycle, and Ron George is a member of the International Residential Code (IRC) Committee in plumbing and mechanical, serving as co-chair of the committee. Paul Bladdick and Barry Pines, both, were appointed to the IRC code interpretation committee for plumbing and mechanical. Wayne Jewell was a moderator for three sessions and Henry Green moderated a session.

Paul Bladdick and Barry Pines were outstanding at the microphone, replacing John Matthews who passed away last year. John Matthews had stood many years as the committee's spokesperson at the hearings.



Two days of advanced preparation prior to the hearings was lead by John Nussbaum in PMC Detroit's board room. John provided the monographs and projected the proposed code changes on a screen for the members of the committee to discuss and reach consensus on, twelve members of the committee were on hand for these discussions. A cross section of the plumbing industry was represented. Members of the code committee had proposed changes to the IPC and withdrew a couple of them in favor of more favorably worded proposals. The CSDCSM were in agreement with the proposed changes 80% of the time.

Be aware and forewarned that the codes as you knew them are changing faster than you can imagine, and not in a way that you are accustomed to. Material standards are where the code changes are occurring in a big way due to global markets. Codes and standards are now "international" and are affecting how we are designing and building our plumbing systems. The new methods of pipe joining technologies in materials, tools and equipment are here. Press-fit fittings, mechanical joints and compression fittings that require special tools are now being utilized and installed. The issue of plastic pipe and fittings needing cleaners and glues which may or may not be compatible between manufacturers and countries of origin needs to be addressed. All of this has thrown the codes into a transition period that they are attempting to focus upon as best they can between code cycles, thus the need for our members continued support and participation as a consensus group. The Code Study and Development Committee of Southeastern Michigan, started by John Nussbaum while serving as the director of the Plumbing, Heating and Cooling Contractors Association of Southeastern Michigan (PHCCASM), has gained national prominence over a period of 18 years, starting with BOCA International and currently with the IPC and IRC.

Let us look at some of the changes that have either been accepted or are under consideration for future acceptance into our codes and standards, brought about by our counterparts in Europe and Asia through international trade shows such as ISH. A few examples would be wall-hung instantaneous point-of-use water heaters, electronic plumbing fixtures, brass and the use of air admittance valves in our venting systems. Though our conventional ways of designing and installing plumbing systems have worked well over the years, the down sizing brought about by water conservation is changing the hydraulic means that we use in pipe sizing and the tables in our code books. Definitions must be scrutinized, and when you can't find something look under Engineered Systems. That is where you may find types of single stack systems, such as Sorent systems.

At this year's hearings, the plumbing code committee did away with the label grease traps in favor of grease interceptors. Temperature is the new buzzword this year. Temperature control for hot water storage tanks and water heaters, 140 degree vs. 120 degree temperature, was the big issue for storing, while 120 degree was the accepted maximum temperature at the point of delivery. What defines tepid water is still a question mark. Proper design of systems using ASSE 1070, 1069 and 1016 was the core of a lot of discussion for bath tubs, spas and showers. The deliberation on eye washers revolved around who decides, based on chemical data sheets, the on-site doctor/nurse or the supervisor? The American Society of Plumbing Engineers (ASPE) is in the process of writing a hot water design standard that, at a future date, will take care of the issue.



L to r: Ron George, Gil Wilkinson, John Nussbaum, Barry Pines and Paul Bladdick.

The inclusion of Canadian standards drew a lot of heat because of differences to the comparable US standards. If CSA standards were left in at this time, without being limited to use in Canada, they could cause a lot of grief in the

US markets. Our members are concerned over issues such as inches vs. metric, pipe coloring, mixing of glues and different manufacturers' fittings to pipe, which could cause confusion in the field for the installing plumbers and inspectors as to recognition of the proper standards and third-party testing that the products had been approved under. Paul Bladdick offered the suggestion that CSA Standards have an asterisk by them designating them for use in Canada. They could then be accepted in the ICC code.

The code challenge hearings coming to Detroit in September 2005 present a unique opportunity for those who practice and enforce the codes to sit in on this very interesting and informative process. This will determine the 2006 International Plumbing Code and the International Residential Plumbing Codes.

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# ASPE NEWS

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