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President's Report

By Randy A. Kleinheider, CPD, LEED® AP

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Wow, what a SUPER turnout at the March meeting!!!! The biggest turnout so far this year! A big THANK YOU to everyone that attended last month's meeting.

Well, it's April (almost), and it's Spring (I'm not too sure about that one with the way the weather can't seem to make up its mind). Both of these bring us annual events . . . income tax deadline, and the CPD Exam. The taxes we have to pay, unfortunately. The CPD Exam you get a choice to take. I really encourage everyone to consider taking the exam and get your certification. It provides you a recognized credential that can help in job seeking efforts. It says that you've taken that extra step in your career development, which sets you apart for other individuals. It could open doors that might otherwise be closed. This year's registration is already closed, but I urge you to consider taking the exam next time.

The latest publication from ASPE, **Illustrated Plumbing Codes Design Handbook**, is now available for pre-ordering. Through April 30, you can pre-order this book for a 10% discounted price of \$67.50 (members). This looks to be a real bargain as the book is 500 pages of illustrations and commentary covering both the International and Uniform Plumbing codes. I think it's a MUST for anyone's plumbing library. Go on-line to www.ASPE.org to pre-order your copy.

Got your Golf team lined up??? Don't forget our golf outing is coming up June 7th. That's just 2 months away. You know it will be here before you know it.

ASPE's 2011 Technical Symposium : **Where** - Orlando, FL. **When** - October 27th thru October 30th. **Who (should go)** - You. **Why** - Because it's a great learning opportunity and it'll also be great weather, and it's next to Disney World.

May is Chapter Elections If you are interested in being a part of the next Chapter leadership team helping guide our Chapter future direction, please contact Bill McKanna at: (314) 692-1573; or: bmckanna@murphy-stl.com and get your name on the election roster.

Our next chapter meeting will be Tuesday, April 5th, at the Engineers Club. Please join us, maybe we'll have more spring sunshine . . . or snow. I know Dennis has another great speaker lined up. Hope to see you all then.

Until next time, please remember to RSVP to Mike Todd, and bring a friend along to the meeting!



Membership Anniversaries

April

Member Since

| | |
|--------------------|------|
| Jack bruns P.E. | 1998 |
| Mike Haenel | 2005 |
| Jeff Kuehn CPD | 1996 |
| John Merle | 1998 |
| Norman Merlo | 1976 |
| Scott Moseley P.E. | 2006 |
| James Mackey | 2010 |
| Sid Trojahn | 1983 |
| Mark Miller | 2010 |
| Mike Todd | 2003 |

VP Legislative Report

Eric P. Rogers

I'm sure everyone knows of the "green" design movement that has been going on for several years now. Well if you want to be in the loop and comment on potential code adoptions at the international level then I suggest everyone visit the following link to the ICC website:

<http://www.iccsafe.org/cs/IGCC/Pages/PublicVersionDevelopment.aspx>

This has information about adoption dates, public review documents and how to address comments, etc.

The link for the IAPMO green plumbing and mechanical codes supplement is as follows:

http://www.iapmo.org/Pages/IAPMO_Green.aspx

I intend on getting these added to our local chapter website link page ASAP.

Eric P. Rogers

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VP Technical Report

R. Dennis Callahan

What a great turnout we had for our March 1st meeting, there were 48 people in attendance and hopefully we will have as many or more attend our last meetings (April and May) of the 2010 – 2011 year. Our speaker was Mike Doychak speaking on “factors to consider when designing and selecting a commercial water heater”. Mike started off with giving us generic items to think about when specifying commercial water heaters and they are: **scale protection, vessel lining protection, style of product, efficiency/operating cost, footprint considerations and life expectancy considerations.** After reviewing these items we can then select the right product for the right application.

Scale is the number one failure point of a water heater. The average life of a commercial water heater is about 6-7 years. Water is very corrosive, it is the universal solvent. If we have 1/4” of scale build-up, that equates to about a 35% loss of efficiency in your water heater. We need to think about scale build-up.

Mike showed a slide of an updated map on water hardness of the United States showing the differences in hardness ranging from over 14 grains of hardness, which is considered extremely hard down to 3 grains of hardness, which is considered slightly hard. If you take the average water temperature of 65 degrees and heat it to 140 degrees, for every 25 degrees rise in temperature you double the corrosive action of the water.

There are two types of efficiency certifications; one is the “**HLW Stamp**”, which is required by ASHRAE 90.1 water heater test standard yields “**thermal efficiency**”. The other certification is the “**H Stamp**” (for boiler/hot water supply boiler) as required by ASHRAE 90.1 boiler test standard yields “**combustion efficiency**”.

We discussed different types of tank linings as far as warranty, anode rods required, field repairable, porous and life of the lining.

Continued on page 10

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April Birthdays

- Jack Bruns P.E.**
- Jeff Butcher**
- Mike Gianino**
- Charles Hines**
- John Merle**
- Norman Merlo**
- Kent Richardson**
- Mike Todd**

Next Meeting

April 5th

Speaker will be Brian James from Grundfos

VP Membership

By Mike Todd

Spring Time in St. Louis! The flowers are blooming and their bright colors offer a great contrast to the white snow that currently covers the ground.

With that said, it is time to start planning for this year's Golf Tournament. It will be held again at Warrenton Golf Club on June 7th. Feel free to contact me with any questions about the tournament.

We are still offering the "FREE LUNCH" program to visitors. So if you have a co-worker looking for a great organization, invite them to the next meeting.

February meeting Drawing Winners

Jackpot Drawing
No Winner, Names Drawn were:
Sean Graham, Tim Arnold and Scott Moseley, they were not present to win.


| | |
|---------------|---------|
| 50/50 Drawing | |
| Bob Thomason | \$10.00 |
| Darrell Case | \$12.00 |
| Ray Swafford | \$13.00 |

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ASPE General Meeting Dates for 2010-2011

April 5th, 2011

Brian James from Grundfos.

Lunch Menu for April 5th, 2011

Hot Roast Beef with Wala Wala Onion Sauce

Toasted Potatoes, Tossed Salad, Cheesecake

May 3rd, 2011

Speaker will be Elbert McKinlay from Watts,

topic will be Automatic Control Valves

June 7th, 2011

Golf outing, Warrenton Golf Course

Lunch meeting schedule

11:45 AM Social - 11:55 introductions- Tech Session During Lunch - Meeting

Adjourned at 1:00PM

NOTICE:

Affirmative response or self registration prior to meeting is considered a positive reservation for food and attendance. Should a NO SHOW occur, you will be billed for the dinner.

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VP Technical Report

Continued from page 4

There are three different methods available to heat water for domestic applications: 1) vertical sealed storage tank, 2) instantaneous copper-finned boiler paired with unfired storage tank and 3) submerged combustion heat exchangers into storage vessel.

For each of these methods we touched on the product overview, system sizing, efficiency certification, serviceability, maintenance and system design criteria.

Mike ended his program with the following factors to consider when selecting a commercial water heater: initial purchase of equipment, efficiency desires, location of installation, type of installation, maintenance capability of owner and additional owner requirements and desires.

It was a very informative presentation that was well received by those in attendance.

In April we will have Brian James from Grundfos, speaking on variable speed Booster Pumps. Brian attended the University of Kansas where he received his Bachelor of Science degree in Mechanical Engineering and is a professional Engineer Licensed in the State of Kansas. He spent 6 years with George Butler Associates (a consulting Engineering Firm) and is currently with Grundfos Pumps for the past 6 years as a BoosterpaQ product specialist. For our last meeting in May we will have Elbert McKinley from Watts company speaking on Automatic Control Valves.

Our next meeting is on April 5th, please remember to invite a potential member to come along and get your reservations in to Mike Todd.



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