

THE HOT AIR DIFFUSER IDAHO CHAPTER NEWSLETTER

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2007-2008

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PRESIDENT'S MESSAGE

Greetings ASHRAE members,

I would like to start by thanking Dan Tuskey of Photronics and Greg Walker with CH2M Hill for setting up, and allowing last month's tour of the Photronics clean room facility in Boise. It is one of only a hand full of Class I clean rooms in the world. . We were allowed to see large air handlers, boilers, pumps, chillers, UPS services; and more all in operation. Those who attended all agreed that it was impressive. Also, special thanks go to ASHRAE BOG member Carl Marcum for organizing the event.

We are nearing the end of the ASHRAE year with only 2 programs and a golf tournament remaining.

Speaking of Golf, get your team signed up now by going on-line to:
www.idahoashrae.com

IT DOESN'T GET ANY EASIER

That's right, we now have a professional website that is up and running. It is not yet complete but will be shortly. For the rest of this year and into the future, this site will be your information source for all things ASHRAE. It will be the home of our newsletter, history, event sign-ups, and links to other sites. You will also be able to post advertisements, like the one I recently posted for YMC . Job postings and event pictures will also be there. Shortly, you may be able to purchase merchandise with the Idaho ASHRAE logo

Obviously, this is the way information is posted and commerce is done in the digital age. It is time our chapter joined the fray.

It is also time to nominate and elect our new board of governors. If you or someone you know, would like to get more involved in ASHRAE, there are opportunities to get involved in a committee.

We will be accepting nominations this month, and will vote to finalize next month. With a little blind luck and a big push from Greg Hobbs you could even work your way up to president like I did.

I look forward to seeing you all this Friday at our general meeting. Check the programs section for more information.

Xenon Long

Idaho Chapter President

PROGRAMS

This months presenter is Andy Williams, Engineering Manager for Midgley-Huber Technical Services. Andy will do a Power Point presentation of Variable Frequency Drives Basics. The following subjects will be covered:

- Why use a VFD
- Drive hardware and applications
- How an AC motor and VFD interact
- Pulse Width Modulation - Today's VFD
- VFD Capabilities and Protection
- VFD examples compared to other control methods
- Applications and economic justification
- Q&A

WHERE: Idaho Power Building
1222 Main Street
Boise, ID

WHEN: 11:45 a.m.—1:00 p.m.

A WORD FROM ARDEN

Since we are moving into the last quarter of the ASHRAE year, everyone might take a look at the chapter operations manual and review the nominating committee time schedule, review your bylaws, and just spend a few minutes looking over all the free management training materials shared therein.

Region IX DRC David Olson and DRC to be Rich Rose are moving into their transition. If tradition holds, David will move onto the Society Nominating Committee as the Nominating Member, Arden Davis will move to the Alternate and Gary Cooper will serve as the reserve alternate. The final determination will come from CRC Caucus and Executive Session.

On another note, the A Davis Enterprises, LLC golf team is planning on defending its title for the Idaho Chapter Golf Team trophy. So, come on you HACKERS and come get IT! I would expect some of the contender teams would include David Musgrove, another close competitor would be lead by Brad Bird, Greg Hobbs should be in the hunt also. The former Carrier team should return to the challenge too.

See you at the meeting and the golf tournament!!

Arden Davis—Past Pres.

HISTORY LESSON

Five Years Ago

The chapter president was Preston Nance. The meeting was held on April 11, 2003, at the Double Tree Riverside. Harry Beaulieu gave a presentation on Indoor Air Quality.

Fifteen Years Ago

The chapter president was Richard Kartchner. The meeting was held on April 9, 1993, at Edwards Restaurant. Darwin Roy gave a presentation on DDC Control Systems.

Twenty Years Ago

The chapter president was Phil Terrell. The meeting was held on April 8, 1988, at the Kings Table Restaurant. Marv Benner, Honeywell, gave a presentation on Indoor Air Quality including pollutants, filters, and gas removal (Radon).

ENGINEERING NIGHTMARES

McDonnell Douglas DC-10, 1970s

Nearly a thousand people around the world lost their lives while the kinks were being ironed out of this 290-ton competitor to Boeing's 747. Blown-out cargo doors, shredded hydraulic lines, and engines dropped mid-flight were just a few of the behemoth's early problems.

Firestone 500 tires, 1970s

These steel-belted radials allowed water to seep under the tread, which caused the belting to rust and the tread to separate, typically at high speeds. Dozens of deaths later, Firestone blamed consumers, then recalled 10 million tires.

Purity Distilling Company tank, 1919

You gotta keep your molasses somewhere – how about a rickety tank 50 feet tall and 90 feet in diameter in the middle of Boston? The structure was painted brown to hide the leaks. Eventually it burst (possibly exploding from fermentation), sending waves of molasses up to 15 feet high into the city and killing 21.