THE HOT AIR DIFFUSER
IDAHO CHAPTER NEWSLETTER

FEBRUARY 2009 VOLUME 15 ISSUE 6

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PRESIDENT'S MESSAGE

Hello Idaho ASHRAE members,

Planning for this year's technical session is well under way and shaping up to be a great event . This year we will serve an outstanding breakfast and lunch during a program by an ASHRAE Distinguished Lecturer. We are looking forward to a range of possible topics from Energy Conservation to VAV System Design. Costs will be the same as in the past: $75 for ASHRAE members, which includes two meals, a full day of topics, and surprising door prizes.

Please mark your calendar for **April 10, 2009** and plan on attending this event. We will have web site registration active very soon and will be distributing topic agendas as well.

Remember to attend our meeting for this Friday . I am looking forward to seeing everyone then!

Jeff Fulcher, PE

President

Idaho Chapter ASHRAE

FEBRUARY PROGRAM

Indoor pools and water parks are big energy consumers, and there is no single air management strategy that is appropriate for all climate zones. This month's presentation will focus on ways to reduce annual energy usage in the dry western regions of the U.S. using a combination of exhaust air heat reclaim and evaporative cooling, while enhancing indoor air quality and comfort compared to conventional pool dehumidifiers.

WHEN: **February 13, 2009**
11:45 a.m.—1:00 p.m.

WHERE: **Idaho Power Bldg.**
1221 W. Idaho Street
Boise, ID

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NEWS FROM THE HOME OFFICE

ASHRAE's 2009 Satellite Broadcast Focuses on IAQ for Sustainable Buildings

ATLANTA – What's lean and green and clean all over? Your next sustainable building project and its indoor air quality, thanks to ASHRAE's upcoming satellite broadcast. The program, "Clean, Lean, and Green – IAQ for Sustainable Buildings," will take place **April 22 from 1 to 4 p.m. EDT**.

The free broadcast, sponsored by ASHRAE's Chapter Technology Transfer Committee with support from the U.S. Environmental Protection Agency, will challenge the building community to use good IAQ practices to create a more sustainable built environment. The program will highlight guidance from the publication IAQ Guide: Best Practices for Design, Construction, and Commissioning, developed collaboratively by ASHRAE, AIA, BOMA, EPA, SMACNA and USGBC.

"Saving energy in buildings is paramount, and everyone in the buildings industry must do all they can to ensure sustainability in their projects," says Dave Shugars, Chair of the Satellite Broadcast committee. "But sustainability must never come at the expense of good indoor air quality. Proper operation and maintenance of buildings must be combined with enhanced IAQ practices to ensure healthy, productive indoor environments."

Participants who complete the participant reaction form online at www.ashrae.org/iaqbroadcast the week following the broadcast may be awarded three PDH credits.

The broadcast presenters and their topics are:
Martha Hewett, Director of Research, Center for Energy & Environment, Minneapolis, MN
Practical, Proven Strategies to Deliver Better IAQ

Hoy Bohanon, P.E., Owner and Manager of Bohanon Engineering, PLLC, Winston-Salem, NC
Improving Your IAQ and Reducing Your Energy Costs through HVAC Design

H.E. Barney Burroughs, Owner and CEO of Building Wellness Consultancy, Inc, Atlanta, GA
Keeping Buildings Clean: Avoiding and Building Control of Contaminants to Attain and Maintain IAQ Acceptability

George DuBose, Certified General Contractor, Liberty Building Forensics Group, Orlando, FL
Avoiding Costly IAQ Problems in the Building Envelope

John McFarland, P.E., Director of Engineered Systems, Working-Buildings, LLC, Atlanta, GA,
Integrating Good IAQ into the Design & Construction Process

For more information about the broadcast, please call (678) 539-1206, visit www.ashrae.org/iaqbroadcast or e-mail ashrae-satellitebroadcast@ashrae.org. Online registration for satellite site coordinators and Webcast viewers will begin March 2, and viewer registration will begin March 16. There is no fee for registration.

HISTORY LESSON

Five years ago

The chapter president was Matthew May. The meeting was held on February 13, 2004, at the Double Tree Riverside. Lee Vernam, Paco Pumps, gave a Technical Session presentation before the meeting on pump operation and efficiency. The meeting presentation was also by Lee Vernam, on pump efficiency and proper operation.

Ten years ago

The chapter president was Brent Robertson. The meeting was held on February 12, 1999, at the Double Tree Riverside. Dr. Jeff Burton gave a presentation on indoor air quality. A 3 hour Technical Session prior to the meeting on IAQ and HVAC was also given by Dr. Jeff Burton.

Fifteen years ago

The chapter president was Roger Albers. The meeting was held on February 11, 1994, at Edwards Restaurant. The meeting included a panel discussion entitled "How long can we continue to build until codes won't let us any more?"

Twenty years ago

The chapter president was Pat House. The meeting was held on February 10, 1989, at the Kings Table Restaurant. Chris Powell, Bonneville Blueprint Supply, gave a presentation describing reproduction and other services provided by his company with a focus to expand knowledge of available CADD systems.

Steve Hardy
Historian

QUOTE OF THE MONTH

"In a conversation, remember that you're more interested in what you're saying than anyone else is."

-Andy Rooney (b. 1919), American radio and television writer

INDUSTRY NEWS

R-22 REFRIGERANT PHASE-OUT

On Dec 23, 2008 The EPA introduced a Proposed Rulemaking that would drive an earlier transition to R-410A or similar refrigerants. The new proposed rules are intended to close loop-holes that existed in prior rules. However, by doing so, they have created a nightmare for a lot of Manufacturers. One rule would change or redefine the Date of Manufacturing to be the time or date when a refrigerant circuit is completed. The impact here is that field assembled R-22 systems can not be INSTALLED on or after January 1, 2010. It appears at this point that Packaged Units manufactured pre-2010 may be allowed. However, there are some wording issues that need to be further defined and clarified.

February 6th is the deadline for final comments to the EPA on the sale or distribution of pre-charged appliances. A final rulemaking is expected in July from the EPA. At this point it appears that this means there may not be the possibility of a "build ahead" of R-22 units in 2009 for sale, distribution, and installation in 2010. This may create some hardships for projects anticipated to be installed after January 1, 2010. Some component manufacturers have already started to reduce their inventory of R-22 components. While still available, the lead -times for the R-22 components will most likely be extended. As the summer approaches, the industry will feel this impact. The Air-Conditioning, Heating and Refrigeration Institute (AHRI) have called on the EPA to modify the proposed rules. They feel that the "stranded inventory" costs would decimate our industry.

What does this mean to you? Check all your projects that currently are planned or anticipated for installation after January 1, 2010 and that have been quoted using R-22 as the refrigerant. If at all possible, have these projects moved up to November or December 2009. If they can not be moved up, advise the customers that the refrigerant change will be required and there might be increased costs.

(see www.idahoashrae.com for the full article)

MEMBER PROFILE

Dale Stredder (Board of Governors)

1. How long have you been a member of ASHRAE?
   I became a member in 1995.
2. Who is your current employer?
   Engineering Consultants Incorporated
3. What is your professional area of expertise?
   I do design in both Air & Water side HVAC systems and also do plumbing layout and design, when I have to.

MEMBER PROFILE (CONTINUED)

4. What is your most memorable project?
   That's a hard one, after 38 years, but some that come to mind are BSU Pavilion (Taco Bell Arena), Lowell Scott & Meridian High Schools, High Desert Harley Davidson, Amazing Jakes (Plano Texas). I even remember helping on the Kibbie Dome.
5. Where did you grow up?
   I was born in Cascade and grew up here in Boise.
6. What was your first job?
   My very first job was being a paper boy, my first engineering job was at Engineering Incorporated.
7. Where did you go on your last vacation?
   My wife and I try to go to the Oregon Coast every year; usually on the Harley.
8. Do you have any children? Pets?
   I have a son(37),a daughter (30), a Pomeranian, & a Persian cat. (Hair at my house is almost a condiment).
9. What are your hobbies?
   I ride the Harley as much as possible, even in the winter when the streets are dry.
10. What is your favorite movie?
    Older movies: "The Good, The Bad and the Ugly" and "The Longest Day." Newer movies: "Sixth Sense" and "Groundhog Day"; it is really hard for me to pick one as my favorite I could go on and on...

RESEARCH PROMOTION

We are just over 1/3 of the way to our goal of $8900 for the year, so I wanted to take this opportunity to recognize the companies and individuals who have donated to ASHRAE Research. The companies are: Technical Air Products, Clima-Tech, Engineering Inc., Innovative Air, Robertson's LLC, Norbryhn Equipment Co., and Musgrove Engineering. Individual donors include: Jeff Fulcher, Spencer Shepard, Cameron Sprinkel, Pam Hayes, Scott Mackay, Andrew Beall, George Masing, Bart Petterson, and Arden Davis. Thanks to each and every one of you for your generous support!

I will be renewing efforts to call on those of you who have pledged your support. You can also make a contribution 24 hours a day at www.ashrae.org/contribute if you have a debit or credit card – then you can leave the middleman (me) out of it. Please call on me if I can be of any assistance to you with respect to your donation.

Scott Mackay
RP Chair

SUDOKU OF THE MONTH

Puzzle Difficulty: HARD

Fill in the puzzle so that every row, every column, and every 3 x 3 box contains the numbers 1 through 9. (Answer in next month's newsletter.)

	6			5	8			
1	9			2		4		8
		7	1			9	6	
	4	3			5		9	2
			8		2			
7	2		4			8	5	
	1	8			9	5		
4		9		6			8	1
			3	8			4	

SUDOKU SOLUTION

FROM JANUARY'S NEWSLETTER

9	2	7	6	5	1	4	3	8
6	4	1	8	3	9	5	2	7
3	8	5	7	4	2	9	1	6
1	9	2	3	6	8	7	5	4
8	5	4	1	2	7	6	9	3
7	3	6	5	9	4	2	8	1
4	1	9	2	8	6	3	7	5
5	6	8	9	7	3	1	4	2
2	7	3	4	1	5	8	6	9

JOKE OF THE MONTH

Valentine's Day One-Liners

What do farmers give their wives on Valentine's Day?
Hogs and kisses!

Do skunks celebrate Valentine's Day?
Sure, they're very scent-imental!

What did the paper clip say to the magnet?
"I find you very attractive."

What did the French chef give his wife for Valentine's Day?
A hug and a quiche!

What did one pickle say to the other?
"You mean a great dill to me."

What did the elephant say to his girlfriend?
"I love you a ton!"

What did the bat say to his girlfriend?
"You're fun to hang around with."

Did you hear about the nearsighted porcupine?
He fell in love with a pincushion!

Liz: "I can't be your valentine for medical reasons."
Jon: "Really?"
Liz: "Yeah, you make me sick!"

ATTENTION: ASHRAE MEMBERS

The Chapter is now accepting advertisements in the monthly newsletter.

Sponsorship Rates are as follows:

	Per Issue	Annual (9 issues)
Business Card	$10.00	$50.00
Quarter Page	$25.00	$200.00
Half Page	$40.00	$325.00
Full Page	$60.00	$450.00