

# THE HOT AIR DIFFUSER IDAHO CHAPTER NEWSLETTER

JANUARY 2009

VOLUME 15 ISSUE 5



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## PRESIDENT'S MESSAGE

Greetings Idaho ASHRAE members,

As we start a new year, I wanted to wish everyone a very happy 2009. I hope it turns out to be a good year for all of us.

I also wanted to take this opportunity to get everyone thinking about our technical session and golf tournament. We are tentatively planning on having our technical session on **4-10-09**. This is a great opportunity to get advanced training on several topics for a very reasonable price. I hope you will mark this date on your calendar, as we are looking forward to a great event.

We are planning on wrapping up this year with our golf tournament, currently scheduled for **6-12-09**. With all the snow outside, it is hard to think about golf, but please plan on attending the tournament. It is guaranteed to be a good time, and will help generate funds for our chapter and for ASHRAE research.

I look forward to seeing everyone on Friday!

Jeff Fulcher  
President

Idaho Chapter ASHRAE

## JANUARY PROGRAM

The January program will begin with lunch at the Boondocks Fun Center promptly at 11:45 (please be on time). We will then proceed to a tour of the piping infrastructure at Roaring Springs Water Park at 12:30.

**WHEN: January 9, 2009  
11:45 AM—1:00 PM**

**WHERE: Boondocks Fun Center**

(Take Meridian Exit 44, South on Meridian Road, Right on Overland Road, Right on Blue Marlin Lane)

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## NEWS FROM THE HOME OFFICE

### **ASHRAE Opposes Proposed New Licensure Requirement (ASHRAE Insights)**

ASHRAE and several other engineering societies are opposing an initiative that would require an additional 30 post-graduate credit hours as a prerequisite for obtaining licensure as an engineer.

ASHRAE says the measure would create an unnecessary hurdle to the profession when engineers are already in short supply.

The National Council of Examiners for Engineering and Surveying has developed a model law requiring the additional credit hours. The measure is known as the Bachelor's+30 initiative and would essentially require an engineering professional to obtain a master of science degree before being eligible to sit for the P.E. exam.

ASHRAE maintains that the typical scope of an ABET-accredited bachelor's degree has been demonstrated to accommodate technical breadth and flexibility and the intellectual skills necessary for engineering graduates to fulfill requirements necessary to become licensed as a professional engineer.

ASHRAE's Board of Directors recently approved a resolution against the additional requirement. "ASHRAE feels that the requirement would be a significant deterrent to obtaining licensure." said ASHRAE Presidential Member Richard Hayter, who serves as the Society's liaison to the NCEES Engineering Education Task Force. "The current system of examinations and supervision in practice are workable, effective and adaptable, resulting in highly competent professional engineers."

"ASHRAE opposes efforts to increase educational requirements for engineering licensure and encourages states and licensing boards to reject such proposals," said ASHRAE President Bill Harrison. "ASHRAE will continue to develop educational programs that assure its members remain at the forefront of engineering practices and technologies."

## HISTORY LESSON

### **Five years ago**

The chapter president was Matthew May. The meeting was held on January 9, 2004, at the Double Tree Riverside. Dan Int-Hout, Chief Engineer, Krueger, presented at both the tech session and the meeting. His topics included air distribution, thermal comfort, acoustics, and VAV terminals.

### **Ten years ago**

The chapter president was Brent Robertson. The meeting was held on January 15, 1999, at the Double Tree Riverside. Phil Britain, Jones Boiler, gave a presentation on boiler system design and direct applications in the field.

### **Fifteen years ago**

The chapter president was Roger Albers. The meeting was held on January 14, 1994, at Edwards Restaurant. A pre-meeting technical session by Jerry Kresse covered certification requirements and procedures for those handling Freon. The meeting program was a presentation by Con Mahony, CEO for Atlas Mechanical. The topic is unknown.

### **Twenty years ago**

The chapter president was Pat House. The meeting was held on January 13, 1989, at the Kings Table Restaurant. Phil Walker, Energy Policy Analyst, with Pacific NW Power Planning Council, gave a presentation on the Northwest Power Council's plan and remodel conservation standards.

**Steve Hardy**  
**Historian**

## QUOTE OF THE MONTH

"I have noticed even people who claim everything is predestined, and that we can do nothing to change it, look before they cross the road."

*-Stephen Hawking (b. 1942), British theoretical physicist.*

## INDUSTRY NEWS

### First Refrigerated Beach Planned for Dubai

DUBAI, United Arab Emirates—The world's first refrigerated beach is planned for the new Palazzo Versace hotel in Dubai. The beach will have a network of pipes beneath the sand containing a coolant that will absorb heat from the surface. The swimming pool will be refrigerated and there are also proposals to install giant blowers to waft a gentle breeze over the beach. In the Middle Eastern city, summer temperatures average 40°C (104°F) and can reach 50°C (122°F).

[Read More](#)

### Energy Prices To Stay Low Through 2009

WASHINGTON—The "increasing likelihood of a prolonged global economic downturn" has caused energy prices to decrease, according to a new report by the U.S. Department of Energy (DOE). DOE's Energy Information Administration (EIA) says that oil prices will average the current \$50 per barrel cost throughout 2009. Residential heating oil prices are projected to average 24% less during this heating season compared to last year, and propane prices are expected to be 14% lower than last year. Natural gas prices are expected to be about 32% lower next year.

[Read More](#)

## MEMBER PROFILE

### Jeff Fulcher, PE (Idaho ASHRAE president)

1. How long have you been a member of ASHRAE?

*9 years*

2. Who is your current employer?

*Tikker Engineering*

3. What is your professional area of expertise?

*Mechanical Engineering*

4. What is your most memorable project?

*BSU Student Union Expansion*

5. Where did you grow up?

*Meridian Idaho*

6. What was your first job?

*Engineer for Morrison Knudsen Corporation*

## MEMBER PROFILE (CONTINUED)

7. Where did you go on your last vacation?

*Camping in Yellowstone*

8. Do you have any children? Pets?

*Yes, 1 son (Carter, 4 years old) and another boy on the way, due in February. Yes, 1 pet, a silky terrier named Benji (He is actually my wife's pet).*

9. What are your hobbies?

*Flying - I have been a certified flight instructor for 17 years; RC flying; Camping.*

10. What is your favorite movie?

*Iron Eagle I*

## LOCAL NEWS

### Boise Engineer Receives ASHRAE Distinguished Service Award

Salt Lake- Arden V. Davis received a Distinguished Serve Award from the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) at its Annual Meeting held here in June 21-25, 2008.

The Distinguished Service Award salutes members of any grade for giving freely of their time and talent on behalf of the Society. The honor recognizes participation in chapter, regional and Society activities.

Davis is retired from Idaho Power Company.

As a member of the Region IX chapter programs formation committee, he helped write the original manual of procedures for the grassroots chapters programs. He served as Region IX vice chair of chapter programs and as the Idaho chapter's program chair. In addition he has served on the Idaho Chapter's Education and Technical, Energy and Government Activities committees.

Davis was named Region IX director and regional chair from 1999-2002. He currently serves on the Nominating Committee. He says his ASHRAE service has allowed him to contribute to awareness of energy utilization and conservation in his home state, Idaho.

## SUDOKU OF THE MONTH

Puzzle Difficulty: MEDIUM

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

## SUDOKU SOLUTION

FROM DECEMBER'S NEWSLETTER

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

## JOKE OF THE MONTH

A priest, a doctor, and an engineer were waiting one morning for a particularly slow group of golfers.

Engineer: What's with these guys? We must have been waiting for 15 minutes!

Doctor: I don't know, but I've never seen such ineptitude.

Priest: Hey, here comes the greens keeper. Let's have a word with him.

Priest: Hi George. Say, George, what's with that group ahead of us? They're rather slow today, aren't they?

George: Oh yes, that's a group of blind firefighters. They lost their sight while saving our clubhouse last year, so we let them play here anytime free of charge.

SILENCE.

Priest: That's so sad, I think I will say a special prayer for them tonight.

Doctor: Good idea. I'm going to contact my ophthalmologist buddy and see if there is anything we can do for them.

Engineer: Why can't these guys play at night?



## IMPORTANT DATES

January 19, 2009—MARTIN LUTHER KING, JR. DAY

January 20, 2009—PRESIDENTIAL INAUGURATION

February 14, 2009—VALENTINE'S DAY

April 10, 2009—ASHRAE Technical Session

June 12, 2009—ASHRAE GOLF TOURNAMENT