

THE HOT AIR DIFFUSER

Chapter Newsletter

JANUARY 2016

Volume 22 Issue 5



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JANUARY:

Single Large Diffuser Technology

The January 2015 monthly Idaho ASHRAE meeting will take place at the Idaho Power headquarters. The focus will be three different projects being undertaken by mechanical engineering graduate level students in the valley.

Dammon Woods is a PhD student at University of Idaho, Boise, Dammon will present on model predictive control of radiant slab heating and cooling systems.

Shrief Elsayed Shrief is a Graduate student at University of Idaho, Boise. Shrief will present on using energy signatures as a basis for retro-commissioning

Hanna Luthman is Graduate student at Boise State University and will present on a "User Friendly" spreadsheet based analysis for air conditioning systems and how their efficiency is affected by the weather.

Please come out to learn the latest techniques being used by these young professionals and spend some time with your colleagues.

When:

Wednesday, January 13th, 2015
11:45am to 1:00 pm MST

Please Register online at:

www.idahoashrae.com

Where:

Idaho Power
1221 W. Idaho St.
Boise, ID

DECEMBER:

Single Large Diffuser Technology

The December 2015 monthly ASHRAE meeting was hosted at Idaho Power. Kevin Schreiber from D&D Healthcare was the guest speaker. Rethinking the design of controlled laminar airflow in operating room systems using fully integrated modular systems to help reduce the incidence of healthcare acquired infections (HAIs) and reduce construction timelines and jobsite coordination.

ASHRAE, founded in 1894, is an international organization of some 50,000 persons. ASHRAE fulfills its mission of advancing heating, ventilation, air conditioning and refrigeration to serve humanity and promote a sustainable world through research, standards writing, publishing and continuing education.

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PRESIDENT'S MESSAGE

RUSSELL PRATT

Has anyone else noticed how hard it is lately to find entry level EIT's? It also seems to be difficult for contractors to find installers that have a good basic skill set to start with. Recently, I've found a few piping installation details that leave me scratching my head saying something like "really, you didn't know that a swing check can't be installed pointing down?" So, I did a little research and found that Dennis Technical-Education Center does not have an HVAC technician training program. I've also found that West Ada school district has a pre-engineering program at the Professional Technical Center. It does not have an architectural engineering program that would give kids a head start on a career in HVAC engineering.

I've seen a need and I want to assemble a team of key people with an interest in helping these two facilities. We need to help them create the programs we need to inspire an interest in this career path at an earlier age. We can use the resources we have at the chapter level to start and then leverage local industry support to build. If you agree and have an interest in getting involved, let me know. You can email me at russell.pratt@cshqa.com.

<http://www.westada.org/Page/22635>

<http://www.westada.org/Page/634>



HISTORY LESSON

JANUARY

Five Years Ago

The chapter president was Carl Marcum. The meeting was held on January 12, 2011, at Norco. The program was a tour of the Norco Boise Fill Gas Plant and Fuel Gas Plant.

Ten Years Ago

The chapter president was Bob Tikker. The meeting was held on January 13, 2006, at the Idaho Power Building. Darren Fitch, EMI Filtration, discussed air filters.

Fifteen Years Ago

The chapter president was Ben Kohler. The meeting was held on January 12, 2001, at the Boise state University Engineering Building. The meeting consisted of a tour presented by Dr. Lynn Russell, the Dean of the Engineering Department.

Twenty-Five Years Ago

The chapter president was Scott Richardson. The meeting was held on January 11, 1991, at the King's Table Restaurant. A short video was presented to promote R-123 as the refrigerant of choice to replace R-11 in centrifugal chillers.

Thirty Years Ago

The chapter president was Dave Asmus. The meeting was held on January 10, 1986, at the King's Table Restaurant. A presentation was given by Doug Scott of Scott's Refrigeration.

NEWS FROM THE HOME OFFICE

Application Submission Deadline Less Than Two Weeks Away for Public Policy & Engineering Summer Internship in Washington, DC

December 31, 2015 is the deadline for submitting applications for one of the most unique engineering internships in the United States. *Late applications will be accepted if a letter of intent to submit a full application is received by the December 31 deadline. The application can be found [here](#).*

Founded in 1980 through the collaborative efforts of several professional engineering societies, the Washington Internships for Students of Engineering (WISE) program is an intense, hands-on summer internship in Washington, DC whose goal is to groom future leaders of the engineering profession who are aware of and can contribute to the important intersections of technology and public policy. Students entering their final year of undergraduate study are selected each year in a nationwide competition to spend nine weeks in the summer in Washington, DC. During the internship they learn how government officials make decisions on complex technological issues and how engineers can contribute to legislative and regulatory public policy decisions.

For more information on the program, including the application, please click [here](#).

NIST Seeking Nominations for Appointments to Eight Federal Advisory Committees, Including Smart Grid Advisory Committee

The National Institute of Standards and Technology (NIST) is seeking nominations for appointments to eight Federal advisory committees, including NIST's Smart Grid Advisory Committee. The Smart Grid Advisory Committee provides guidance to NIST on smart grid standards, smart grid implementation, and helps identify needs, gaps, and issues.

Nominations for all committees are accepted on an ongoing basis and will be considered as and when vacancies arise. Full information on the call for nominations can be found [here](#).

State of Colorado Issues Notice of Proposed Rule for On-Site Construction and Safety Codes for Motels, Hotels and Multifamily Dwellings Where No Such Standards Exist

The Colorado Register, published on December 10, 2015, has issued a notice of proposed rulemaking regarding on-site construction and safety codes for motels, hotels and multifamily dwellings in those areas of the State where no such standards exist. This proposed rule, noted as Resolution number 36, can be found [here](#) and is quite lengthy. The rule is quite complex in nature and deals with many different codes including the IECC (both residential and commercial) as well as references to Standard 90.1 (though a year is not noted), and to other ASHRAE publications.

A public hearing has been set for January 4, 2016 at 11:00 a.m. (MST) in Denver at the Department of Local Affairs, Division of Housing, BAA hearing room 315, 1313 Sherman St. Denver, CO 80203.

State of Iowa Issues Update for Administrative Rules on Indoor Air Quality

The Iowa Administrative Bulletin, published on December 9, 2015, has given notice that it is updating its administrative rules on indoor air quality (among others) and is adopting, by reference, ASHRAE Standard 62.1-2013 Ventilation for Acceptable Indoor Air Quality. Previously, this rule had cited the 2010 version of this Standard. The intent is to drop Chapter 4 of the ICC IMC (which deals with ventilation) and substitute Standard 62.1.

Any interested person may make written suggestions or comments on the amendments on or before December 29, 2015. Written materials should be directed to Jennifer Hart, Plumbing and Mechanical Systems Board, 321 East 12th Street, Des Moines, IA 50319-0075 or at jennifer.hart@idph.iowa.gov. Please copy Jim Scarborough at jscarborough@ashrae.org. Also, a public hearing will be held on December 29, 2015 at 10:00 a.m. in the Lucas Office Building Conference Room 517 at the same address as above. At the public hearing persons may present their views orally or in writing. To view the suggested rule change, go to pages 1006-1007 at this [link](#).

NEWS FROM THE HOME OFFICE CONTINUED...

State of New York Reissues Temporary Rules on Legionella

The New York State Register, released on December 2, 2015, has once again published the adoption of emergency rules for the treatment of Legionella. These regulations, which originally became effective in August, implemented requirements that protect the public from the threat posed by Legionella. To ensure that protection is maintained, the Commissioner of Health and the Public Health and Health Planning Council have determined it necessary to file these regulations on an emergency basis. Public Health Law and the State Administrative Procedure Act provide the authority to adopt emergency regulations when necessary for the preservation of the public health, safety or general welfare and that compliance with routine administrative procedures would be contrary to the public interest. The various State agencies intend to adopt this emergency rule as a permanent rule and will publish a notice of proposed rulemaking in the New York State Register at some future date. **The emergency rule, which is effective immediately, will expire February 10, 2016.**

As with the earlier emergency rule published several months ago, portions of ASHRAE Standard 188-2015 Legionellosis: Risk Management for Building Water Systems are referenced. To review the rule please click [here](#). The rule begins on page 28.

State of Oregon Issues Proposed Rule on Methods of Testing for Rating Seasonal Efficiency of Unitary Air Conditioners and Heat Pumps

The Oregon Bulletin, published on December 1, 2015, has issued a notice of a proposed rule that the State is updating its Residential Energy Tax Credit Rules, rate chart and other program aspects. A portion of this proposed rule refers to ASHRAE Standard 116 Methods of Testing for Rating Seasonal Efficiency of Unitary Air Conditioners and Heat Pumps. Additionally the rule references ANSI/AHRI/ASHRAE/ISO Standard 13256-1 Water-source heat pumps – Testing and rating for performance – Part 1: Water-to-air and brine-to-air heat pumps. These rules will be effective on January 16, 2016. The rule, which can be found starting on page 86 and continuing through page 96, references ASHRAE at several points.

To access the rule please click [here](#).

City of New York Proposes New Regulations on Cooling Towers

The New York City Department of Health and Mental Hygiene is proposing new regulations that would require owners of buildings with cooling towers to take steps to protect the health and safety of New Yorkers. The regulations address cooling towers' operations, maintenance, testing and recordkeeping.

The proposed regulations are now open to public comment. Comments on the proposed regulations must be received by 5:00 p.m. on January 4, 2016.

A public hearing will be held on January 4, 2016 from 10:00 a.m. to 12:00 p.m. at the New York City Department of Health and Mental Hygiene, Gotham Center, 42-09 28th Street, Room 14-43, Long Island City, NY 11101-4132.

BCAP Publishes Comparison of Comprehensive Energy Plans

The Building Codes Assistance Project (BCAP) has published a comparison of comprehensive energy plans from Maine, Missouri, New Mexico, New York and Vermont. This comparison outlines how State energy plans in these five States are addressing building concerns. To learn how these States plan to increase energy efficiency, please click [here](#). States currently without a State energy plan are: Alabama, Florida, Kansas, Louisiana, North Carolina, South Carolina, South Dakota, Tennessee and Wisconsin.

Mayors Lead the Way on Climate Change Issues

The Compact of Mayors was launched by UN Secretary-General Ban Ki-moon and his Special Envoy for Cities and Climate Change, Michael R. Bloomberg (former Mayor of New York City). This is under the leadership of the world's global city networks – Cities Climate Leadership Group (C40), Local Governments for Sustainability (ICLEI), and the United Cities and Local Governments (UCLG) – with support from UN-Habitat, the UN's lead agency on urban issues. The Compact establishes a common platform to capture the impact of cities' collective actions through standardized measurement of emissions and climate risk and consistent, public reporting of their efforts..

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Professional Development Hours

Professional Development Hours are now available at

ASHRAE monthly meetings!



Issues registering for monthly meetings?



Please contact Katie Leichter @
kleichter@uidaho.edu

Interested in becoming more involved with your local
ASHRAE Chapter? Positions will be opening up soon!

Please contact Russell Pratt
@ russell.pratt@cshqa.com for
more information.





A Big THANK YOU goes out to ALL our Donors so far for 2015-2016!

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Honor Roll level investors receive recognition in the October ASHRAE Journal, at the Winter Conference and a commemorative coin.

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