



Mississippi Valley Chapter Newsletter

Sept 2009

<http://www.mississippivalleyashrae.org>

Monthly Newsletter

Important Dates

- Sept 17, 2009
Hydronic Systems
- October 15, 2009
Energy Audits
- November 19, 2009
Alternative Refrigerants
- December 17, 2009
Dinner Theater @ Circa
21 – Holly Jolly
Christmas
- January 21, 2010
To Follow
- February 18, 2010
ASHRAE's Building
Energy Labeling
Program
- March 18, 2010
Seminar
- April 15, 2010
Hybrid Geothermal
Systems
- May 20, 2010
To Follow
- July, 2010
Golf Outing

"Hydronic Systems; The Brave New World of Balancing"

MARK HEGBERG

Mark Hegberg is Product Manager for Balancing Products with Danfoss Heating Controls and a former hydronic system design instructor at the B&G "Little Red Schoolhouse".

Mark has over twenty five years of experience in the HVAC field in the areas of Hydronic Systems, Testing & Balancing and Direct Digital Control systems. He has worked in the areas of field applications, installation, testing/commissioning, design and consulting. Mark is also the past chair of ASHRAE TC 7.7 Testing & Balancing, and TC 6.1 Hydronic & Steam Design. He has served on numerous ASHRAE standards projects, and committees and is the holder of the ASHRAE Exceptional Service award.

Technical Topic

"Hydronic Systems; The brave new world of balancing" will focus on providing a strong knowledge base of fundamentals for a systems oriented approach to hydronic system balance and performance. No hype or anecdote, just a down to earth practical examination of a topic that has evoked provocative discussion both pro and con. While readers of the AHSRAE Journal get a one sided view on an important topic that will hurt system operation, come and get a fair, balanced and engineering oriented discussion of how systems really work.

Sept 17th Program

Location: The SteepleGate Inn
Symposium Room
100 W 76th St
Davenport, IA

Program: Hydronic Systems; The Brave New
World of Balancing

Agenda: 4:30-5:30 Program
5:30-5:45 Meeting at SteepleGate
5:45-6:45 Dinner at SteepleGate

Menu: Roasted Pork Loin with Shitake
Mushroom Sauce
Tossed Salad
Fresh Seasonal Vegetables
Baked Potato
Dinner Roll
Cheery Cheesecake



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ASHRAE News

ASHRAE Provides Opportunity for Continuing Education

ATLANTA—In keeping with ASHRAE's goal of continuing education, the Society will once again offer fall online seminars.

These online, instructor-led seminars will run from late September through early November and are available to those interested in expanding their knowledge of the HVAC industry and keeping up to date with the latest technology and their applications. Many popular courses will be offered, several of which will include updated material. The courses will cover a broad range of topics, including:

Understanding & Designing Dedicated Outdoor Air Systems (DOAS)

The Commissioning Process & Guideline 0

Complying with Standard 90.1-2007 HVAC/Mechanical

Introduction to Green Buildings and Sustainable Construction

Complying with Standard 90.1-2007 Envelope/Lighting

The Basics of Radiant Panel Heating & Cooling*

Using Standard 90.1-2007 to Meet LEED Requirements

Chilled Beam Technology for Excellent Indoor Climate in an Energy Efficient Manner

Complying with Requirements of ASHRAE Standard 62.1-2007

Energy Management in Existing Buildings*

Humidity Controls: Basic Principles Loads & Equipment

Humidity Controls: Application, Control Levels & Mold Avoidance

The Basics of a Proposed Standard on High Performance Green Buildings (Standard 189.1)

*Indicates updated course material.

The three-hour-long courses are taught in real-time, from 1 p.m. to 4 p.m. EDT, and feature interactive audio. Either three professional development hours or American Institute of Architects learning units or 0.3 continuing education units are available for each course. Those who sign up for courses before Sept. 11 will receive a reduced registration fee. A 20 percent discount is also available to participants who register for courses with related topics.

A full list of courses and registration information can be found at www.ashrae.org/onlinecourses.

<http://www.ashrae.org/pressroom/detail/17267>

ASHRAE Issues Position Document on Infectious Disease Transmission

ASHRAE's *Airborne Infectious Diseases Position Document* addresses the impact of ventilation on disease transmission and the control strategies that are available. The position paper covers methods of transmission including direct contact, large droplet contact, and inhalation of droplet nuclei. "With a better understanding of ventilation's effect on the transmission of disease, future incidents of the H1N1 virus may now be easier to prevent," said ASHRAE President Gordon Holness.

http://www.ashrae.org/docLib/20090901_AirborneInfxDiseasesPDFrev.pdf

Digital Journal (Login Required)

<http://www.ashrae.org/myashrae/default.asp?url=/publications/page/1385>

Industry News

Study Examines Costs and Benefits of Commissioning

BERKELEY, Calif.—A new study by Lawrence Berkeley National Laboratory quantifies the economic impact of building commissioning. The study finds median payback periods for commissioning to be slightly more than one year for existing buildings and about four years for new construction. The study also finds that commissioning results in energy savings of about 15% in new and existing buildings.

<http://cx.lbl.gov/2009-assessment.html>

Consumers Concerned More About Money Than Environment

KNOXVILLE, Tenn.—Economics tops the environment as the primary concern of consumers when they purchase sustainable products or engage in sustainable practices, according to a survey of U.S. consumers. When asked the most important reason to reduce energy consumption, 73% of respondents chose "to reduce my bills/control costs" and only 26% chose "to lessen my impact on the environment."

<http://www.sheltongroupinc.com/blog/?p=605>

Europe Starts Phase-out of Incandescent Light Bulbs

BRUSSELS, Belgium—Europe has begun a gradual phase-out of incandescent light bulbs by banning the manufacture and importation of traditional light bulbs, 100 W and higher. New European Union (EU) rules follow an agreement reached by the 27 EU governments last year to eliminate incandescent light bulbs over three years to help lower greenhouse gas emissions and reduce energy bills.

<http://www.google.com/hostednews/ap/article/ALeqM5ikrIoVpC6cfEUIySSRBFVOoykueQD9ADUBD01>

Some Buildings Not Living Up to 'Green' Label

NEW YORK—Some buildings are not living up to their "green" labels, according to an article in *The New York Times*. The article cited as an example the Federal Building in Youngstown, Ohio. The building achieved LEED certification from the U.S. Green Building Council (USGBC), but later could not earn a U.S. Environmental Protection Agency ENERGY STAR label because of problems such as a faulty cooling system. According to the article, USGBC's own research suggests that a quarter of the new buildings that have been certified do not save as much energy as their designs predicted and that most do not track energy consumption once in use.

http://www.nytimes.com/2009/08/31/science/earth/31leed.html?_r=1

Houses of Worship Can Receive ENERGY STAR Label

WASHINGTON—Houses of worship now can earn the U.S. Environmental Protection Agency's (EPA) ENERGY STAR label. EPA offers free technical support and information via its ENERGY STAR for Congregations program. According to EPA, the estimated 370,000 worship facilities in the United States spend more than \$3 billion annually on energy costs.

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Check-out the Updated Chapter
Website at:
www.mississippivalleyashrae.org



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