



Mississippi Valley Chapter Newsletter

November 2007

<http://www.mississippivalleyashrae.org>

Monthly Newsletter

Event Schedule

- **September 20, 2007**
Hydraulics – Back to Basics
- **October 23, 2007**
The Path to Sustainability Using Renewable Energy
- **November 15, 2007**
Closed Loop Water Treatment
- **December 14, 2007**
Social Night - Penguin's Comedy Club
- **January 17, 2008**
Ammonia Refrigeration
- **February 21, 2008**
CTTC
- **March 20, 2008**
Distinguished Lecturer
- **March 21, 2008**
Distinguished Lecturer
"What's My Carbon Footprint"
ASHRAE Standards 189P and 105
- **April 17, 2008**
History
- **May 15, 2008**
Student Activities
- **June 2008**
Golf Outing

"Chilled Water in the Middle East"

The content of the presentation will cover the recent boom in chilled water plant construction in the middle east specifically focusing on a 120,000 ton district cooling plant in Doha Qatar.

Speaker: James Nonnenman P.E.

Jim Nonnenmann is a graduate of University of Illinois with a major in Mechanical Engineering. He is currently working for Stanley Consultants, Inc. in Muscatine, Iowa as a project Manager and Senior Mechanical Engineer and it the current President of the Mississippi Valley Chapter of ASHRAE.

Refrigerated Shipping

Celebrated in ASHRAE Technical Program Session

ATLANTA – Londoners enjoying a lamb chop dinner tonight should take time to celebrate a milestone anniversary in the history of refrigeration.

This year marks the 125th anniversary of the first frozen shipment of meat from New Zealand to Europe. In 1882, the *Dunedin* carried 3,521 sheep and 449 lamb carcasses, arriving in London in good condition after a 98-day voyage. "Early attempts to meet the English demand by exporting canned meat failed, as it was an unreliable product disliked by the English population," Dr. Richard Love, lecturer, Massey University, New Zealand, said. "Fortunately, worldwide technology was being developed at this time, and there

November 15th Program

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

Program: Closed Loop Water Treatment

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

Menu: Sicilian Chicken
Caesar Salad
Seasonal Vegetable
Dessert Special

Cost: Members: Free
Others: \$15

RSVP: [Online](#) or call Simon Possin
at 309-793-3568 by Monday,
November 12th.

were several candidate technologies available, such as absorption systems, mechanical compression systems and air-cycle systems, to ensure successful refrigerated shipping.”

Love will share findings from his historical research, *Early Refrigerated Meat Shipping from New Zealand*, in the poster session at ASHRAE’s 2008 Winter Meeting, Jan. 19-23, New York City. The poster session is held from 11 a.m.-1 p.m. Jan. 22 at the New York Hilton. The *Dunedin* used an air-cycle refrigeration system, which was seen as more reliable than a mechanical compression system on an ocean voyage, as it could not suffer from refrigerant leaks, according to Love. In the decades that followed, carbon dioxide- and ammonia-based mechanical compression systems became much more popular. “Today, New Zealand still exports a large amount of frozen product around the world – 92 percent of New Zealand lamb is exported, and meat exports comprise about 14 percent,” Love said. “Refrigerated shipping remains an important technology for the country.” For more information about the ASHRAE meeting, Jan. 19-23, New York Hilton, visit www.ashrae.org/newyork.

Held with the ASHRAE Winter Meeting is the ASHRAE co-sponsored International Air-Conditioning, Heating, Refrigerating Exposition, Jan. 22-24, at Javits Convention Center. For more information, visit www.ahrexpo.com.

ASHRAE Expands Certification to Testing Centers Worldwide

ATLANTA – ASHRAE’s first certification program is now available in testing centers in 22 countries. The certification, Healthcare Facility Design Professional (HFDP), is a computer-based examination that tests an applicant’s mastery of a body of knowledge.

“An indoor environment that is safe, comfortable and enhances productivity at minimum impact to the environment is a basic need throughout the globe,” Richard Hayter, chair of ASHRAE’s Certification Committee, said. “One way by which ASHRAE addresses that need is through its certification programs.”

In addition to the United States and Canada, the exam is now offered in Australia, China, Egypt, Guam, India, Italy, Japan, Jordan, Kuwait, Lebanon, Philippines, Puerto Rico, Qatar, Saudi Arabia, Singapore, South Africa, South Korea, Taiwan, the United Arab Emirates, and the United Kingdom.

Applicants first apply for the examination through ASHRAE, and if they meet the certification qualifications, register for the examination at a testing center. ASHRAE’s certification program identifies individuals who have mastered a body of knowledge covering successful design and operation of healthcare facilities. Future certifications are planned for sustainable facility design, commissioning, and operations and maintenance. The technical content for the HFDP exam was developed in cooperation with the American Society for Healthcare Engineering (ASHE) of the American Hospital Association (AHA). Membership in ASHRAE is not required to participate. A list of

recommended resources on healthcare facility design from ASHRAE and other sources is available. For more information, visit www.ashrae.org/certification.

In addition, ASHRAE will offer an onsite HFDP exam March 10, 2008, at the Gaylord Palms Hotel & Convention Center in Orlando, FL. This exam administration is being offered in conjunction with ASHE's Planning, Design and Construction Conference.

Engineering and Technology Scholarship

In October, ASHRAE Society informed our chapter that Timothy Cross, a student at Black Hawk College in the Residential and Commercial HVAC-R program was awarded the 2007-2008 Associate Engineering Technology Scholarship. The scholarship is a one-year \$3,000 Undergraduate Engineering Scholarship available to undergraduate college/university students enrolled full-time in an engineering technology program accredited by the Accreditation Board of Engineering and Technology (ABET) leading to a Bachelor of Science degree or any engineering technology program leading to an Associate of Science degree relating to HVAC&R. Applicants must have a cumulative college grade point average of at least 3.0 on a 4.0 scale. Tim was one of 21 students across the nation to receive a Society scholarship and it will be presented to him at the November chapter meeting. Congratulations Tim!!!

2008 Spring Seminar:

The Mississippi Valley Chapter is pleased to announce that the Spring Seminar will be held on the day of March 21, 2008. The program will include a discussion on "What's My Building's Carbon Footprint" and what that means to everyone involved in a project. There will also be discussions on the updated ASHRAE Standards 189P and 105. The chapter will be graced with the attendance of a Distinguished Lecturer. Please hold this date on your calendars!!!!

2007/2008 Research Promotion:

We have had a good start for this year but if we are going to be able to reach our goal we need to step up our Individual donation efforts. I am asking all members to donate at the \$100.00 level and give those checks to me. Remember all Trane employees that a fifty dollar donation by you would get you on the \$100.00 honor roll with the Corporate match. All checks need to be made out to ASHRAE Research.

Thank you - **Bruce Britson RP Chair**

2006-2007 Officers/Board of Governors

President: Jim Nonnenmann
Vice President: Andrew Price
Treasurer: Pat Igou
Secretary: Simon Possin
Past President: Bruce Britson
Member at Large: Eric Granzow
Member at Large: Brian Hodgins

2006-2007 Committee Chairs

CRC Delegate: Andrew Price
CRC Alternate: Patrick Igou
Historian: Sherm Sweeney
Membership: Tracy Van Damme
Programs: Patrick Igou
Resource Promotion: Bruce Britson
Seminar: Bruce Davis
Student Activities: Matt Schneider
CTTC: Jon Bovenkamp
Webmaster: John Schaub

Monthly Meetings

The regular monthly meetings for the Mississippi Valley Chapter of ASHRAE are held on the 3rd Thursday of each month from September to May unless otherwise noted. Meetings are located at the Steeplegate Best Western in Davenport Iowa unless noted otherwise.

Only You Can Help!!!

In order for our chapter to grow and maintain the great membership we have enjoyed, we need volunteers to help with the running of the chapter. Volunteers are needed for the following committees:

Membership	CTTC
Student Activities	History
Resource Promotion	

Contact any officer or committee chair to Volunteer!

Check-out the Updated Chapter Website at:

www.mississippivalleyashrae.org



Mississippi Valley Chapter
ASHRAE
Attention: Simon Possin
623 26th Avenue
Rock Island, IL 61201