



Mississippi Valley Chapter Newsletter

January 2008

<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
"What's My Carbon Footprint"
- **March 21, 2008**
Distinguished Lecturer
ASHRAE Standards 189P and 105
- **April 17, 2008**
History
- **May 15, 2008**
Student Activities
- **June 2008**
Golf Outing

Discussion:

The use of ammonia as a refrigerant beyond its historical use as the primary low temperature industrial refrigerant. This includes chillers, central chilled water plants, combustion turbine inlet pre-cooling systems, etc.

M. KENT ANDERSON: **President Emeritus -** **International** **Institute of Ammonia** **Refrigeration**

Kent Anderson has more than 35 years experience in the refrigeration, air conditioning, appliance and construction industries.

An engineering graduate of the University of Iowa, Mr. Anderson completed the Trane Company's Graduate Training Program in 1969 and was employed by Trane for 12 years in product management, applications engineering, marketing and government relations positions. He served on a number of industry technical and policy committees, and was a member of the Board of Directors of the Alliance for Responsible CFC policy. In 1982, Mr. Anderson became Vice President of the Association of Home Appliance Manufacturers (AHAM) in charge of government relations and the AHAM Washington Office. His responsibilities included legislation and regulations at the state and Federal levels involving product safety, appliance energy efficiency and CFCs. From 1985 to 1990 Mr. Anderson was an engineering consultant in Bethesda, MD. He served as a consultant to government and industry on technical issues involving energy conservation and environmental policy.

An active member of ASHRAE, he has been a member of a number of

January 17th Program

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

Program: Ammonia Refrigeration

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

Menu: Prime Rib Au Jus
Tossed Salad
Seasonal Vegetable
Dessert Special

Cost: Members: Free
Others: \$15

RSVP: [Online](#) or call Simon Possin at 309-793-3568 by Monday, January 14th.

Technical Committees, the Task Group on Halocarbon Emission, the Task Group on Global Warming and served on the project committee that developed ASHRAE Guideline 3-1990, "Reducing Emissions of CFC Refrigerants". He has been Chairman of the ASHRAE CFC Advisory and Government Affairs Committees, and was a member of the ASHRAE Standards and Long Range Planning Committees. Mr. Anderson was President of the ASHRAE National Capital Chapter in 1990-91, and received the ASHRAE Distinguished Service Award in 1992. He was elected a Director at Large on the ASHRAE Board of Directors in 1996.

Mr. Anderson has been President and a Director of the Engineers Council of Maryland. He also served as Chairman of the Montgomery County (Maryland) Energy Conservation Advisory Committee. In 1990, Mr. Anderson was named the Executive Director of the International Institute of Ammonia Refrigeration (IAR) in Washington, DC, and in 1996 he was elected President of the IAR.

IBD Satellite Broadcast/Webcast - April 16, 2008

On April 16, 2008, ASHRAE's Chapter Technology Transfer Committee (CTTC) will present a satellite broadcast and simultaneous webcast on "Integrated Building Design: Bringing the Pieces Together to Unleash the Power of Teamwork." Online registration for site coordinators and webcast viewers begins March 1 at www.ashrae.org/idbbroadcast. Registration for satellite viewers begins March 15. Information about the program and speakers is available at www.ashrae.org/idbbroadcast. Three PDH credits will be granted to those who view the program and then complete the Participant Reaction Form on our webpage following the broadcast. An added benefit of a \$50 discount will be taken off a one-year membership to anyone who joins ASHRAE as a new member in conjunction with the broadcast. Check out the ASHRAE website for more details. If you have questions, call (678) 539-1139 or email ashrae-SatelliteBroadcast@ashrae.org.

ASHRAE Continues Building Community of HVAC&R

ATLANTA – Eighty-five years after creating its first chapter outside the United States, ASHRAE has chartered its 170th chapter, based in Indonesia.

"ASHRAE recognizes that technology developed outside North America enhances our knowledge base," Kent Peterson, ASHRAE president, said. "One way we can share that knowledge is by bringing members together via chapters, which allows them to work together, share ideas, and advance the standards of practice to improve the built environment. We see our chapter program as a way to build the community of HVAC&R."

ASHRAE's continued growth is part of its overall strategic plan, which calls for the Society to be a global leader in the HVAC&R community. In addition to chapters in the United States, Puerto Rico, Canada and

Mexico, ASHRAE has chapters in Brazil, Argentina, Singapore, Hong Kong, Malaysia, Taiwan, Philippines, Thailand, India, Saudi Arabia, Egypt, Lebanon, Kuwait, Greece, Sri Lanka, Pakistan, the United Arab Emirates, Portugal, Romania, Poland, Bahrain, Spain and Indonesia. ASHRAE formed its first non-U.S. chapter in Toronto in 1922. The first chapter outside North America was formed in Singapore in 1984.

Bush Signs Bill Boosting Fuel Standards

WASHINGTON (AP) — President Bush signed into law Wednesday legislation that will bring more fuel-efficient vehicles into auto showrooms and require wider use of ethanol, calling it "a major step" toward energy independence and easing global warming.

The legislation signed by Bush at a ceremony at the Energy Department requires automakers to increase fuel efficiency by 40 percent to an industry average 35 miles per gallon by 2020. It also ramps up production of ethanol. Congress sent the bill to the White House late Tuesday — delivering it in a gas-hybrid sedan — that increases the federal auto mileage requirement for the first time in 32 years and also requires a huge increase in the use of ethanol as a substitute for gasoline. The measure passed by veto-proof majorities in both houses. The House passed the bill 314-100, with 95 Republicans joining Democrats in support of the legislation, after the Senate approved it last week 86-8.

"This is a choice between yesterday and tomorrow" on energy policy, declared House Speaker Nancy Pelosi, D-Calif., who had personally conducted the sometimes testy negotiations that led to the bill's approval in the House.

Democrats said the legislation represents a turn away from fossil fuels to using more renewable energy sources and put greater emphasis on conservation. It increases energy efficiency "from light bulbs to light trucks," said Rep. John Dingell, D-Mich., a longtime protector of the auto industry who was key to a compromise on vehicle efficiency increases.

The bill requires the industry to achieve an average of 35 miles per gallon for all vehicles, including SUVs and small trucks, by 2020, about a 10 mpg increase from what these vehicles get today. While all vehicles from small sedans to large SUVs must make some improvement in fuel economy, the required improvements may vary among vehicle classes as long as the overall industry average is 35 mpg.

The bill also calls for: A sixfold increase in ethanol use to 36 billion gallons a year by 2022, a boon to farmers. Of that, 21 billion gallons will have to be from feedstock other than corn such as prairie grasses or wood chips. Improved energy efficiency of appliances such as refrigerators, freezers and dishwashers, and a 70 percent increase in the efficiency of light bulbs. Energy efficiency improvements in federal building and new efficiency standards for construction of new commercial buildings with an aim that they produce as much electricity as they use.

The new lighting standards alone are projected to lower consumers' annual electricity bills by \$13 billion in 2020, remove the need for 60 mid-size power plants and reduce emissions of carbon dioxide, the leading greenhouse gas, by 100 million tons a year, said the advocacy group Alliance to Save Energy. Democrats said the fuel economy requirements will save motorists \$700 to \$1,000 a year in fuel costs and reduce oil demand by 1.1 million barrels a day when the fuel-slinging vehicles are widely on the road.

The overall bill including more ethanol use and various efficiency requirements and incentives, will cut U.S. oil demand by 4 million barrels a day by 2030, more than twice the current daily imports from the volatile Persian Gulf, Democrats said.

But some Republicans complained the legislation fails to address the need for more domestic production of fossil fuels, especially oil and natural gas. "What we have here is a mandatory conservation bill," said Rep. Joe Barton, R-Texas. He argued that the auto fuel efficiency requirements and the huge increase in ethanol use may not prove to be technologically or economically possible.

Earlier this year, Bush announced his own plan, which he said was aimed at cutting U.S. gasoline use by 20 percent in 10 years. Like the legislation passed by Congress, the president's plan included a sharp increase in ethanol use. It also urged Congress to overhaul fuel economy rules to give auto companies more flexibility, some of the provisions lawmakers adopted. But Bush — until now — remained strongly opposed to any arbitrary, numerical increase in auto fuel efficiency.

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. Johnson Controls has implemented the same matching program as Trane's and we have \$190.00 in matching funds to date. All checks need to be made out to ASHRAE Research. I may not be in our area anymore but will still be finishing out the year and continue to hound you on making an investment in RP.

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 Hodgkin

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
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