



# FORT WORTH CHAPTER AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR CONDITIONING ENGINEERS

[www.ashrae-ftw.org](http://www.ashrae-ftw.org)  
webmaster:John Rhodes  
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March, 2009

THE  
THERM

## SPECIAL EVENING

### CHAPTER MEETING

March 18, 2008

Great Wolf Lodge  
1400 E. Highway 26  
Grapevine, Texas

**This is a joint meeting with the Dallas Chapter to meet and hear our Society President, Mr. Bill Harrison speak to the members.**

William Harrison  
2008-09, President

William Harrison is president, Trane  
Arkansas, Little Rock, Ark.

As ASHRAE's president, Harrison directs the Society's Board of Directors and oversees the Executive Committee. His presidential theme, **Maintain to Sustain** – Delivering ASHRAE's Sustainability Promise, focuses on operating buildings to deliver the energy efficiency inherent in their design, including effective commissioning, improved documentation, and programs to educate and certify building operators.

"If the studies are accurate, we have a no-regrets method to reduce energy use in

buildings by 10 to 40 percent, solely by improving building operations," Harrison said. "All we have to do is communicate and educate more effectively. It is our duty. We are pledged to deliver ASHRAE's promise of sustainability, and to do that we must maintain to sustain, we must train to sustain, and we must influence the operation of our buildings to conserve energy. "

He also is chair of the Headquarters Building Renovation Committee. He has served as president-elect, treasurer, vice president, Region VIII director and regional chair, chair of Member Council, Technology Council and the Finance Committee, a member of the Nominating Committee, and vice chair of the Refrigeration Committee and the Society Rules Committee. Harrison was president of the Shreveport Chapter. He has received the Distinguished Service Award.

Harrison received a Bachelor of Science in industrial engineering from the University of Arkansas.

ASHRAE, founded in 1894, is an international organization of some 50,000 persons. Its sole objective is to advance through research, standards writing, publishing and continuing education the arts and sciences of heating, ventilation, air conditioning and refrigeration (HVAC&R) to serve humanity and promote a sustainable world.



## CHAPTER UPDATES

Attendees: 9 Members and one guest: David James, Rick O'Connor, Larry Akers, Richard Watters, Ian Bost, Gina Akers, W.O. Kelly, Doug Hayes, Dan Merkel and John Rhodes.

Meeting Called to order at 7:18 am by David James, Chapter President.

### Reports:

President-Elect (Jay Martin): No Report.

Secretary (Ian Bost): The roster will be printed Monday February 23<sup>rd</sup>.

Treasurer (Richard Watters): There is a total of \$10,696 in the account. The proceeds from the golf tournament have not been sent to ASHRAE.

Board of Governors (Rick O'Connor): Rick is going to help Doug at the ACCA event.

Board of Governors (Doug Hayes): Doug is helping out at the ACCA event. He is going to display our chapter banner. He will be forwarding more information on this event in a email.

Honors & Awards (Larry Akers): Larry is gathering the list for Chapter Service Award.

Student Activities (Cody Pace): Not in attendance. Cody recommends that we acknowledge Zahid for him being awarded the membership grade of FELLOW.

Historian (Dan Merkel): The future cities event was successful. Dan has photos of this event and the Winter Party. He will get these photos to John Rhodes.

Special Events (W.O. Kelly): The winter party proceeds were \$1,073.77. We had 75 people sign up for the party and 78 people attended.

Golf Tournament (Jay Sullivan): The next golf tournament will be near the end of April. We have two tentative dates, one April 27 and the second the first week in May. The tournament will be at Great Southwest Golf Course. Oslin Nation would like to pay for everyone's food and for drinks. The tournament will most likely be held on the 11<sup>th</sup> of May because of the CRC and other chapter events.

Webmaster (John Rhodes): The information on the CRC is on the website. He would like to have something for the student activities. He will add the golf tournament as soon as he gets the information.

### Old Business:

- None.

## The President's Message

This month I want to extend my personal invitation to each and every member to attend the joint meeting with Dallas. Please contact those members you know who do not attend regularly and drag them along to hear Society President, Mr. Bill Harrison. Also, if you know someone who may be contemplating becoming a member of ASHRAE this would be the perfect time to get them to join you.

Be sure to make your reservations for CRC. If you have any problems registering please contact me as soon as possible so we can assist you. Would like to see some new members attend the conference this year. Mark your calendar for April 23 – 25.

If you have any suggestions or comments for the Chapter please contact me at

817/921-5434 or [djames@haroldjames.com](mailto:djames@haroldjames.com)

*Respectively,  
David James, Chapter President*

#### New Business:

- W.O. Kelly made a motion to send the proceeds from the Winter Party to ASHRAE for Research and Rick second the motion.
- CRC is in Lubbock this year.
- This month the officers are going to attend a Strategic Planning for the Region.
- March 18<sup>th</sup> will be a joint meeting with President Harrison at the Gray Wolf Lounge at 8:30 pm. The cost is approximately \$38 to \$40 a ticket. More information will be forthcoming. This will take place as our meeting for the month.

President David James adjourned the meeting at 7:51 am.

#### **CHAPTER MEETING (February):**

Meeting Called to order at 11:51 pm by David James, Chapter President

#### New Business:

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#### Technical Session Minutes:

David James introduced our speaker:

Speaker: Ralph Kittler, P.E.

Program: Natatorium Design and Dehumidification

#### Biography:

Mr. Kittler, an ASHRAE Distinguished Lecturer, is well regarded in the HVAC industry as an expert in dehumidification and Indoor Pool Design. He has been in the dehumidification and Natatorium design field for over 15 years. He is the revisor responsible for Chapter 4 (Large Building Air Conditioning Applications) of ASHRAE's 1999/2003/2007 Applications Design Handbook which covers Natatorium Design and speaks regularly at ASHRAE meetings across the country. He has also published several articles in trade journals and magazines.

Mr. Kittler is a Co-Founder and Director of Sales & Marketing for Seresco Technologies Inc. He is a Professional Engineer with a degree in Mechanical Engineering from Lakehead University, Ontario Canada in 1989.

#### Synopsis:

Mr. Kittler spoke on the general requirements for the designs of natatorium units. We learned that an increase air temperature of 3 deg. F can reduce the evaporation rate from 490 down to 425. A way to solve the window condensation problem is to supply air across the window, blanket every window with air. He also informed us that fire doors typically do not have thermal breaks. The wall system should have the vapor barrier on the warm side of the walls (winter months). He also noted that water proof paints are very poor vapor barriers. He recommended that stainless steel products were not utilized within the pool areas, including showers & locker rooms.

You can use ceiling fans to help move the air in the pool areas. Pool water toys can double or even triple the water evaporation rate and must be considered when selecting a unit. The best practice for conditioning a locker room attached to a pool is to provide it with its own unit. The condensation retrieved off natatorium units can typically fill the pool with water over the course of a year.

Closing: David James adjourned the meeting at 12:58 pm.



**HAPPY ST. PATRICK'S DAY !!!!**

2008 – 2009  
**FORT WORTH CHAPTER of ASHRAE**  
**OFFICERS AND COMMITTEE**

President, David James ..... 817/921-5434  
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Secretary, Ian Bost..... 817/338-1277  
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Treasurer, Richard Watters .... 817/338-1277  
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**BOARD of GOVERNORS**

Rick O'Connor..... 972/789-3420  
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Doug Hayes..... 817/829-4959  
..... [doughayes@flash.net](mailto:doughayes@flash.net)

Tony Finch..... 817/838-7400  
..... [tonyf@texasairsystems.com](mailto:tonyf@texasairsystems.com)

**COMMITTEES**

Attendance, David James..... 817/921-5434  
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Honors and Awards, Larry Akers... 817/336-0543  
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Webmaster, John Rhodes..... 682/687-7655  
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Special Events, W.O. Kelly ..... 817/714-0504  
..... [wok59ag@aol.com](mailto:wok59ag@aol.com)

Sporting Events, Jay Sullivan .. 817/838-1307  
..... [jay.sullivan@trane.com](mailto:jay.sullivan@trane.com)

**Editor's Bits and Pieces**

Wondering what's going to happen with the stimulus plan? We can't control that, but we can work on the ASHRAE Stimulus Plan. That's right, it time to motivate our Region VIII membership to get involved in ASHRAE by letting them know about the April CRC in Lubbock. So pass the word.

As Delegates and Alternates for your chapter, I hope you will soon be making plans to attend. I would ask you to encourage your members to also attend.

Follow this link to the <http://www.crclubbock.com/> website and you'll find everything you need. One web page gets you to the registration page run through ASHRAE, automatic registration at the hotel, links to airline and car rental reservation pages.

For those who like to stay connected when you're out and about, here's a new little added feature; CRC agenda for mobile users. Give it a shot and add it to your mobile favorites. <http://www.crclubbock.com/mobile%20agenda.htm>

Ya'll come. . .we're looking forward to it.



**Agnew Associates, Inc.**

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**For Release:**  
**February 18, 2009**

Contact: Wendy Angel  
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**Economic Stimulus Bill Reinforces Importance of Energy-Saving Standard 90.1**

ATLANTA—In the economic stimulus package just signed into law by President Obama, ANSI/ASHRAE/IESNA Standard 90.1-2007 and its energy-saving features are recognized through special funding measures.

For states to receive additional funding from the \$16.8 billion allotted to the Department of Energy, Office of Energy Efficiency and Renewable Energy, governors would be required to work toward implementation of a building energy code at least as stringent as Standard 90.1-2007 and to develop a plan for achieving 90 percent compliance with the code, including provisions for training and enforcement programs.

“For more than 30 years, Standard 90.1 has been one of the building industry’s most important benchmarks for energy efficiency,” says ASHRAE President Bill Harrison. “Its inclusion in the economic stimulus package demonstrates not only its importance in the building industry, but the importance and economic potential of saving energy and promoting energy-efficient technologies.”

Standard 90.1 provides minimum requirements for the energy-efficient design of buildings in the United States, except low-rise residential buildings. Written during the 1970s energy crisis, ASHRAE Standard 90.1 first was published in 1975 as an effort to cut energy use in buildings. The 2004 version of the standard is referenced in the U.S. Energy Policy Act, which requires states to adopt commercial building codes that meet or exceed the standard’s requirements.

ASHRAE has set a goal of making the standard 30 percent more stringent over the 2004 version by the 2010 publication.

The stimulus package, the American Recovery and Reinvestment Act, focuses on economic stimulus through both tax credits and public-sector spending, with a heavy focus on infrastructure and energy. Several provisions are of interest to and could bring new opportunities to the building sector, including:

- Tax credits for the production of renewable energy are extended until at least 2012
- Research expenses associated with renewables, conservation, and carbon capture and sequestration could result in higher credits in 2009 and 2010
- The Department of Energy is authorized to provide grants up to 30% of the cost of installation of items such as fuel cells, solar, small wind, geothermal heatpumps, and combined heat and power systems
- Department of Energy, Energy Efficiency and Renewable Energy receiving \$21.4 billion for research, weatherization assistance, grants and other programs
- Department of Labor receiving \$750 million for job training, with significant focus on emerging industry sectors including energy efficiency and renewable energy
- Federal agencies are receiving considerable funds for retrofitting and upgrading existing facilities to meet federal energy and water use requirements and alleviate any maintenance backlogs

For more information on ASHRAE government affairs, please visit [www.ashrae.org/advocacy](http://www.ashrae.org/advocacy).

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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- The Fort Worth Chapter Roster is complete and has been sent out. If for some reason you did receive yours please contact me and I will resend. There will be a few “paper” copies available at the April meeting if anyone would like one.
  - Please note we have something new for the newsletter starting this month. We all try to promote “Membership” and we have new members each year. They may introduced at one of the meetings but alas we tend to forget who they are, where they work.... SO, we have decided to have a special column for those who have joined our Chapter. These are the members that have joined since July of 2008; the beginning of this Chapter Year. At some point we should all try to welcome them and encourage them to become active in what’s happening with our Chapter.



# Financial Data

Date of Meeting:	2/18/2009
Members	46
Guests	9
<b>Total:</b>	<b>55</b>

Starting Balance (2/1/09): **\$ 10,696.09**

Deposits:

February Luncheon	1,235.00
January Luncheon Jacobs	340.00
Dec-Feb Dues	980.00
October Golf Tournament	1,650.00
Roster	600.00
<b>Subtotal:</b>	<b>\$ 4,805.00</b>

Payments:

ASHRAE Research - Winter Party	1,073.77
ASHRAE Research - Golf	4,215.80
TCU Engineering	250.00
February Luncheon	1,079.70
January Parking	70.00
Great Southwest Golf Course	250.00
<b>Subtotal:</b>	<b>\$ 6,939.27</b>

**New Balance as of 3/9/09: \$ 8,561.82**

# WELCOME

## NEW MEMBERS 08 - 09

David Gelbaum	9/22/08
Brandon Jarrett	2/9/09
Brian Magilley	11/16/08
Clayton Lane	9/16/08
Kerry McLeroy	1/22/09
Daryl Dubberly	9/3/08
Younes Rouissi	2/2/09
Matthew Terry	9/26/08
Jesse Rivera	2/17/09
John Ringel	8/20/08
Brett Denham	11/18/08
Claire Boecking	8/11/08
Matt Kachelhoffer	11/13/08
Russ Rogers	9/18/08
Scott Fielder	10/30/08
Gregory Woodard	10/28/08
Charles Thompson	9/23/08
Darryl Ross	7/28/08



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