



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

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February, 2009

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CHAPTER MEETING

February 18, 2008

Petroleum Club

39th Floor

11:45 a.m. Lunch

12:15 p.m. Program

Topic:

**Natatorium Design
and Dehumidification**

These facilities are notoriously complex to design and can be expensive to operate. The presentation covers the many critical system design aspects of a Natatorium which include the fundamentals of psychrometrics, dew point, humidity/condensation control, moisture load calculation, air distribution, ventilation requirements, water chemistry and how to optimize your operating conditions to minimize operating costs.

Speaker:

Ralph Kittler, P.E.

ASHRAE Distinguished Lecturer and well regarded in the HVAC industry as an expert in dehumidification and indoor pool design.

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.



David James, President

The President's Message

The Chapter members and guests enjoyed a very special evening recently at Joe T Garcia's. The night was cold outside but the warmth inside was felt by all. Plenty of laughter, wonderful fellowship and the band once again provided great music for us all to dance around the floor. The Chapel was very nice and perfect for the evenings' event. A special thanks to W.O. Kelly for all his time and effort in making this a success.

2009 is in full swing for most of us. It has been incredibly "up and down" on a daily basis in our industry.

The Board members are making sure every member is aware of the joint meeting in March with Dallas. The guest speaker will be Bill Harrison, Society President. The meeting will be held at the Great Wolf Lodge, Grapevine, so make your reservations early. I wish all the members could attend, but at the very least more will come and bring prospective members to hear him speak. Several of us have been here to see Bill in his accomplishments each year to his succession as Society President. More information will be available on the website.

Don't forget CRC in Lubbock, April 23 – 25.

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

817/921-5434 or djames@haroldjames.com

*Respectively,
David James, Chapter President*

CHAPTER UPDATES

BOG MINUTES:

Attendees: 11 Members and one guest: David James, Rick O'Connor, Larry Akers, Richard Watters, Ian Bost, Cody Pace, Gina Akers, Richard Long, W.O. Kelly, Jay Martin, Dan Merkel and Garrett Brown.

Meeting called to order at 7:02 a.m. by David James, Chapter President.

Reports:

President-Elect (Jay Martin): Sent out the December newsletter and will send out the January newsletter shortly. Jay is going to send out 5 people for the BOG to nominate for the nominating committee.

Secretary (Ian Bost): We are finishing up the Roster.

Treasurer (Richard Watters): The balance from the golf tournament is \$3,500. Seven teams have yet to pay. (\$3,300 has yet to be received from some of the participants.

Board of Governors (Rick O'Connor): We have started collecting donations from members for Research Promotion.

Honors & Awards (Larry Akers): Larry is going to find out about the Golden Gavel Award.

Historian (Dan Merkel): The future city competition is next Saturday the 24th.

Membership Promotion (Garrett Brown): We need another membership promotion night. It will possibly be an evening seminar.

Special Events (W.O. Kelly): We have 52 people signed up for the Winter Party.

Refrigeration (Richard Long): No Report.

Golf Tournament (Jay Sullivan): Jay is going to help Richard with the invoicing.

Old Business:

- Roster: Distribution date
- Ticket sales for the Winter Party
- Mortex would like to be a super sponsor for the golf tournament.

New Business:

- Need to make sure that the Golden Gavel Committee gets a printed copy of the Roster.
- Dan Merkel would like to have a softball tournament on June 6th.
- If there are things that you would like changed on a society level then the CRC is a time to bring them up.
- The next BOG meeting will be held at Jacobs on the 24th floor. Jacobs will sponsor the parking.

President David James adjourned the meeting at 7:50 am.

CHAPTER MEETING (January):

Meeting Called to order at 11:50 p.m. by David James, Chapter President.

New Business:

- Art Giesler advised those who were attending the Winter Expo in Chicago of a Region 8 dinner on Monday night.
- Jay Martin spoke about the members selected to the nominating committee. These potential committee members were voted on by the Chapter and approved. The following people were nominated: Cody Pace, W.O. Kelly, Richard Long, and Brodie Heflin.
- David James and W.O. Kelly reminded everyone about the Winter Party being held at Joe T Garcia's, January 24th.
- Jay Sullivan is narrowing down a place and time for the spring golf tournament.
- Dan Merkel left signup sheets at the front table for the softball tournament.

Technical Session Minutes:

Tony Finch introduced our speaker, Brandon Wallace of BRD Noise and Vibration Control.

Brandon's presentation was extremely informative as to the relationship of noise vs. vibration. His presentation showed us how to measure noise and sound and formulas to make these calculations to provide proper HVAC installations

We thank Brandon for his time and sharing his expertise. I think everyone saw something through this presentation they were unaware of and could help them in their respective field for mechanical applications.

Respectively,

Ian Bost, Chapter Secretary

2008 – 2009

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Webmaster, John Rhodes..... 682/687-7655
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Special Events, W.O. Kelly 817/714-0504
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Sporting Events, Jay Sullivan 817/838-1307
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Editor's Bits and Pieces.....

Several articles have been forwarded to me as Editor, from Society to keep us informed. I am forwarding this information to you to we can all be "In The Know".

In response to overwhelming support from membership, in 2006 ASHRAE dedicated resources to the development of personnel certification programs. ASHRAE's first ever certification program, the Healthcare Facility Design Professional (HFDP), launched in June 2007. The second program, the High-Performance Building Design Professional (HBDP) program, launched one year later, in June 2008. Two more programs – in building operations and maintenance and in commissioning process management, respectively, will launch in 2009.

Each ASHRAE certification program will have its own eligibility requirements that candidates must meet in order to be eligible to earn that certification. These requirements will consist of sets of stated combinations of education and experience in the HVAC&R industry. Each candidate will be required to submit a completed application indicating how he or she meets the eligibility requirements for a specific certification program. After receiving approval from ASHRAE, the candidate will be instructed on how to register for the appropriate examination. A candidate who successfully passes an ASHRAE certification examination will be known as a Certificant. A new application will be required for each ASHRAE certification program. Membership in ASHRAE will not be required for participation in any ASHRAE certification program. However, ASHRAE members will receive discounts on certification examinations.

Each ASHRAE certification program meets the high standards you expect from the Society. Subject matter experts who represent a variety of perspectives develop both the content outline for a program and the program's certification examination. ASHRAE's intent is to make the certification programs as international as possible. So, for example, each program's eligibility criteria are written to recognize appropriate academic and work experience from anywhere on the globe. In addition, examination items reference both inches/pound (IP) and system international (SI) units of measurement. Also, ASHRAE uses a network of almost 200 testing centers in the following 27 countries :

Australia	Nigeria
Bermuda	Philippines
Canada	Puerto Rico
China/Hong Kong	Qatar
Colombia	Saudi Arabia
Egypt	Singapore
Germany	South Africa
Guam	South Korea
India	Spain
Italy	Taiwan
Japan	United Arab Emirates
Jordan	United Kingdom
Kuwait	United States of America
Lebanon	

For more information about ASHRAE's certification programs, please visit www.ashrae.org/certification.

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<http://www.ashrae.org/certification/page/1899> for ASHRAE's newest certification program, which will launch at the <http://www.ashrae.org/events/page/1925>.
<http://www.ashrae.org/events/page/1925><http://www.ashrae.org/certification/page/1683>

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## ASHRAE Hosts Conference on Net-Zero Buildings

ATLANTA – To help drive the building industry toward market-viable net-zero-energy buildings, ASHRAE is hosting a specialty conference on the topic in March in San Francisco.

“We have reached a time when the building industry is being called to shift to a new level of performance that will reduce our energy and carbon footprint,” Bill Harrison, ASHRAE president, said. “It is time to advance net-zero-energy building knowledge.”

ASHRAE’s *Countdown to a Sustainable Energy Future...Net-Zero and Beyond* conference takes place March 29-31 at Hyatt at Fisherman’s Wharf in San Francisco. The conference will provide a forum to discuss the role of policy and regulatory involvement in addition to providing application knowledge for the various aspects of net-zero-energy buildings for both residential and non-residential buildings. It will include building science, energy efficiency in HVAC, lighting and appliances, and renewable energy sources applied to buildings.

To register or for more information, visit [www.ashrae.org/netzeroconference](http://www.ashrae.org/netzeroconference).

ASHRAE defines net-zero-energy buildings as those which, on an annual basis, use no more energy from the utility grid than is provided by on-site renewable energy sources. These buildings use 50 to 70 percent less energy than comparable traditional buildings, and the remaining energy use comes from renewable sources, like solar panels or wind turbines incorporated into the facility itself, according to Harrison.

He noted that the state of California recently announced its goal of new residential developments being net-zero-energy by 2020 and new commercial developments being net-zero by 2030.

“As the industry seeks solutions to these challenges, ASHRAE must be there to help disseminate the knowledge,” he said.

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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On Wednesday, April 22, 2009, ASHRAE's Chapter Technology Transfer Committee (CTTC) will present a satellite broadcast and simultaneous webcast on "**Clean, Lean and Green – IAQ for Sustainable Buildings.**"

Online registration for site coordinators and webcast viewers begins March 2nd at www.ashrae.org/iaqbroadcast. Registration for satellite viewers begins March 16th. Information about the program and speakers is available at www.ashrae.org/iaqbroadcast.

Three PDH credits may be granted to those who view the program and then complete the Participant Reaction Form on our webpage following the broadcast.

A brochure will be sent to you soon to share this information with your chapter members. Please watch for updates via *ASHRAE Insights* and www.ashrae.org.

If you have questions, call (678) 539-1206 or email ashrae-SatelliteBroadcast@ashrae.org.

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ATLANTA – Changes to the purpose and scope of ASHRAE/IESNA Standard 90.1 as well as new lighting requirements are being proposed through public review.

ANSI/ASHRAE/IESNA Standard 90.1-2007, *Energy Standard for Buildings Except Low-Rise Residential Buildings*, provides minimum requirements for the energy-efficient design of buildings except low-rise residential buildings.

Among the proposed addenda out for public review is addendum *aq*, which proposes changes to the purpose and scope of the standard. The proposed modification addresses applications not covered in the existing standard scope, such as requirements for laboratories, data center cooling and kitchen exhausts. It would also permit the 90.1 committee to address technologies, such as computer equipment and refrigerated casework, and would extend existing requirements for envelope, space cooling and lighting to a larger group of spaces where energy is consumed.

"ASHRAE is committed to substantially reducing energy use in buildings," Mark Hydeman, vice chair of the committee, said. "This addendum is a critical step toward achieving that goal. For example, it requires all cooling and heating equipment that operates under standard conditions to comply with the existing minimum efficiencies of the standard regardless of the facility that they are in. Manufacturing and process environments often operate at much longer hours than office buildings and retail facilities, which served as the basis for the life-cycle cost analysis of the minimum efficiencies."







## Air Conditioning Contractors of America

Dear Doug,

Thank you for reserving your free admission to the 2009 Indoor Air Expo, held in conjunction with the 41st ACCA Conference, February 24-26 at the Fort Worth Convention Center.

The first week of February we will be mailing you your credentials for free admission. The envelope will contain your badge and other pertinent information and will be mailed to the address you gave us when you signed up. **You must bring the contents of this envelope with you to the registration desk at the Indoor Air Expo in order to get your free admission.**

Remember, the free admission is for the **expo hall only during open expo hours** (11:30am - 2:00pm on February 25 and 26) and does NOT include any educational sessions, networking events, meal functions, or any other event at the ACCA Conference.

We strongly encourage you to consider [upgrading to take advantage of the full range of activities at the ACCA Conference](#). There are a number of registration options available.

This year's ACCA Conference features [25 cutting-edge seminars](#) taught by America's leading contractors, explosive general sessions from some of the nation's most provocative business thinkers, and unprecedented networking opportunities that will allow you to meet and mingle with the best HVACR contractors in the business.

A [full registration](#) is the most flexible package available, affording you full access to all events held February 24-26 at the ACCA Conference in Fort Worth.

But if you can't make it to the full conference, **there are also daypass options available for Tuesday, Wednesday, or Thursday**. A daypass is a great way to gain access to continuing education for yourself and all your company's employees. This is training only available once a year in one part of the country, and since it's in your backyard this year, don't pass up the opportunity!

Check out the full [conference schedule online](#) and then take a look at the [registration options](#). While the expo is a great experience, **the education at the ACCA Conference will pay huge dividends for you and your business all year long.**

If you have any questions about registration at the ACCA Conference & Indoor Air Expo, please contact Vickie Ellis at [vickie.ellis@acca.org](mailto:vickie.ellis@acca.org) or 703-824-8856. We look forward to seeing you in Fort Worth!

[\(ACCA Conference Registration\)](#)

Regards,  
Kevin Holland  
ACCA

*If you wish to have an article published in the newsletter please forward to me no later than the 1<sup>st</sup> of the month. If you have knowledge of someone in the Chapter that needs special recognition please be sure to let us know. If anyone is ill and needs help and prayers please let us know of that as well.*

Jay Martin, Newsletter Editor  
Chapter President-Elect



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