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Produced by: Richard Watters, P.E.  
Chapter Newsletter Editor/ Chairman

*The Therm*, is a monthly Newsletter for chapter members and HVAC&R professionals alike, that provides information about the Fort Worth Chapter of ASHRAE.

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## President's Message

Welcome to 2011, we are just about half way through our ASHRAE year and still going strong. We are going to race out of the gates with our Winter Party (the Wednesday following our January Chapter Meeting, Jan 26th).

I would like to say thank you to everyone who was able to attend our meeting last month on High Performance Building Design by Melissa Menna. We had a total of 56 members and 6 guests attend.

Everyone who attended the meeting last month and the seminar should have received an email with your PDH certificate from Dan Merkel. If you did not receive an email, please contact Dan ([dmerkel@texasairsystems.com](mailto:dmerkel@texasairsystems.com)) and we will be sure that you are included on the distribution list.

Our number of delinquencies is down this month, from 23 to 10 people. Please renew your membership. Also, please remember to pay your local chapter dues. The chapter uses this money to help keep costs down on the chapter activities as well as to support our local student chapter activities.

The Winter Party will be held at Joe T Garcia's (in the small private party room across the street) starting at 6:30. This year we will be playing casino games for prizes which were donated by many fine sponsors for the event. The tables will be run in most cases by local ASHRAE members, and I guarantee a good time for all. Tickets cost \$40 per person and will include tokens to get you started on the gaming tables. RSVP for this event using the eventbrite email you should have received last week (let us know if you didn't get it). For more details please visit <http://winterparty2011.eventbrite.com/>

Our January meeting will be held on Wednesday the 19th. Brandon Wallace will be presenting on How to Specify Acoustic Performance. This course will help you to understand basic HVAC acoustic terminology and how to apply and specify noise and vibration acoustic performance criteria

We continue to make great strides towards the President's Award of Excellence (PAOE). We have been granted nearly 5,400 points so far, putting us about over half of the way to our goal so far. We will need to ramp up our

Next Chapter Meeting

High Performance Green Buildings

January 19, 2010  
11:30 A.M.

Petroleum Club  
Carter::Burgess  
Plaza  
777 Main St.  
39th Floor  
Fort Worth, TX

[Click here for map.](#)

## President's Message (continued)

efforts in the coming months to make sure we show up in Dallas as the Chapter to beat.

We have an upcoming seminar on Commissioning by Michael Kawecki.

Last, but certainly not least, the Society Winter Meeting will be in Las Vegas this year. The meeting will be from January 29th through February 2nd. [Click here for additional information.](#)

I am looking forward to seeing all of you later this month and please see our Chapter's Website for future event times.

Sincerely,  
[Ian Bost](#) Chapter President

## January Program/Speaker Bio.

### Speaker Info:

Brandon Wallace

### Speaker Bio:

Brandon Lee Wallace, Southwest Regional Sales Manager of BRD Noise and Vibration Control, Inc. is a graduate of Kansas State University with a B.S. in Chemical Engineering.

Brandon started with the Trane Company in 1999 at their Screw and Scroll Chiller Business Unit as a Marketing Engineer after successfully completing the Trane Co.'s extensive six month Graduate Training Program. During his 7 years at Trane, Brandon held the positions of Domestic and International Marketing Engineer with market responsibilities for North America, Latin America and Southeast Asia and Field Sales Support Manger responsible for executing domestic price/volume/share goals, providing product support to Trane field sales offices, and managing the Field Sales Support team. In 2006, Brandon joined BRD as their Southwest Regional Sales Manager.

BRD Noise and Vibration Control, Inc., has been at the forefront of noise control systems for HVAC equipment and Brandon's knowledge and experience of HVAC equipment helps enhance BRD's leadership and understanding of this market.

BRD is a recognized leader in the field of noise reduction systems for air-cooled and water-cooled chillers and for curb mounted rooftop packaged air conditioning equipment. BRD is a frequent presenter at ASHRAE Chapter meetings.

### Presentation Outline:

This course will help you to understand basic HVAC acoustic terminology and how to apply and specify noise and vibration acoustic performance criteria.

- 1) HVAC Acoustics 101
- 2) Common specification issues
- 3) What and how to specify acoustic performance

## Board of Governors Meeting Minutes – December 15, 2010

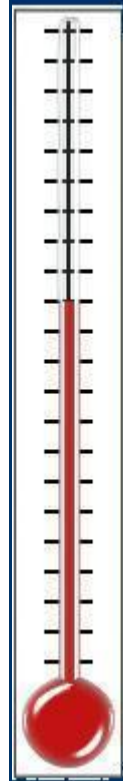
### Attendees:

10 Members: Ian Bost, Richard Watters, Daniel Merkel, Patty Parish, Tony Finch, Jay Sullivan, Cody Pace, Clif Upham, Nick Schroeder, and Larry Akers.

Called to order at 10:35pm by Ian Bost, President

Ian discussed our current PAOE status. We are currently at 5,396 points which is approximately 50% of our goal.

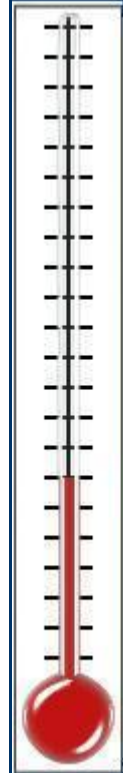
PAOE Points



10,117

5,966

RP Dollars



\$30,000

\$9,579

## Board of Governors Meeting Minutes – December 15, 2010 (continued)

We were the first chapter to reach par in Chapter Operations and Membership. We were not the fist chapter to reach par in CTTC and Student Activities. We are at 125 pts for Historical and par is 200. We could still get these points. We are behind on CTTC Student Activities and Historical.

### Reports:

#### President-Elect (Watters)

- Richard attended a phone conference for President-Elect training last month in preparation for nominations and CRC. Richard announced that he is going to the president elect training. This training is set for February 11th and is a Friday and Saturday. Richard and Ian both plan to attend.
- Richard also requested the reports for the Term be sent to him by the other BOG members in a more timely manner: no later than 1 week from meeting date.
- This is the meeting where we are to present our nominating committee for next year. Richard named the members of the Nominating Committee that were going to be proposed to the new membership. Namely: Larry Akers, Buddy Pace, Cody Pace, Richard Watters, and Fraser Ringel.

#### Secretary (Merkel)

- The roster has been published in hard copy format, and will be available for electronic download. Printing cost was \$419.49, and we had 7 full page sponsors, and 1 business card sponsor.
- Roster will be updated electronically when we receive notice Society has approved our updated constitution and by-laws.

#### Treasurer (Finch)

- By the 31st, Tony plans to have the list of local members who are not paying local dues. He will then provide Larry a copy of the list of members who are life members so they see / hear from a familiar face before they see a bill/invoice. The intent is also to explain what some of the local operating expense are.
- The Future City Competition is this coming January 22. ASHRAE is sponsoring \$100 for a special award. Our intent is to have a student member (s) act on our behalf as judges.

#### BOG At-Large (Martin, Rhodes, Sullivan)

- No report.

#### CTTC (Upham)

- Announce the seminar on Commissioning by Michael Kawecki – Locations, dates, fees are all still up in the air, but it may be either January/March
- The January Meeting on Specifying Acoustic Performance by Brandon Wallace is still a go.
- The January Seminar on Ground Source Heat Pump by Dr. Kavanaugh still needs to be finalized with locations, dates, fees. It is possible to do it at UTA, and likely the fee will be \$150
- The ALI is quite pricey. It is in the range of \$3k – 5k. It does include some hand outs; however, it does not fit our budgeting for this year.
- A Comment from Nick: Topics like one Victor Goldschmidt has done and from firms that are hiring tend to be topics of interest by students.

#### Historian (Parrish)

- Patty updated that she is still working toward putting together a history of Golden Gavel and is looking to do 4 recall interviews and 4 history articles yet this year.

#### Honors & Awards (Akers)

- No Report.

#### Membership Promotion (Olivo)

- Not in Attendance.
- Via Ian: The Delinquency Report went down from 23 to 22.

## Board of Governors Meeting Minutes – December 15, 2010 (continued)

### Research Promotion (Martin)

- Not in Attendance.
- Via Jay Sullivan and Tony Finch: The Golf Tournament this fall approximately raised \$6, 240; however, “Real soon like” we’ll know the answer exactly. Currently our RP totals are at 470, and will see a boost with this addition.

### Special Events (Carter)

- Not in Attendance.
- Via Ian and Jay Sullivan: We are curious about having a Clay Shoot again this year and will now send Matt to determine a status for possibly one in the spring, or when it is warmer.
- For the spring golf tournament, we will ask Matt for an update next month and perhaps we will know the status of sponsorships.
- The Winter Party is January 26. It is \$40 to attend, and there are sponsorship spots available: \$250, \$500, \$1000

### Student Activities (Schroeder)

- We have issued three scholarships at TCU for \$100. We are looking to submit their essays to the webmaster. Overall TCU seems to keep running smoothly, and we will check with Charlie on general status.
- The UTA student branch is currently working on their student design competition and is taking Nick to weekly meetings about this. Additionally, Nick has requested/stated that speakers working at companies hiring would be of great desire by students.
- Nick will be circulating some comments about our student activity progress by the RVC

### Webmaster (Pace)

- The website has been updated to include the currently approved Constitution and Bylaws.
- The website will have the Roster. It will be searchable and available to members via a log-in method.
- Please visit the website for more details.

### Welcome (Bartek)

- Not in Attendance.

### YEA (Martinez)

- Not in Attendance.
- Via Ian: The mentors program has been gathering mentees and mentors. Currently we have more mentors than mentees.
- We are wondering if we will hear from ASHRAE about the New Faces in Engineering. Dan Merkel will follow up with Society to learn of status by the end of the year.

### Old Business:

- Our Delinquencies are down from 23 to 22.
- The Petroleum Club will be closed from March 13th through March 26th. We have a joint meeting scheduled for March 16th. Victor Goldschmidt is the speaker. We need to find a new location. Some suggestions have been to host it at UTA, TCU, CB26th, city club, Ridglea CC, and the FW club.

### New Business:

- We are still looking for more Technical Articles for the Therm or Website and they are highly welcomed.
- Please continue to report your activities to the RVC, the President and the Webmaster so they may be included on the Chapter’s Website.

President Ian Bost adjourned the meeting at 11:25am.

## General Business Meeting – December 15, 2010

Meeting Called to order at 12:00pm by Ian Bost, Chapter President.

Proceeded with self-introductions and the introduction of our guests by Tony Finch.

### Old Business:

- Meeting minutes from last month's meeting were approved by motion from Tony Finch, Seconded by Larry Akers.
- Delinquencies are down and we are at 59% of our PAOE goal, 5,396 points out of 10,117.

### New Business:

- Ian continued discussion and mentioned we have two new members: Mitchell and James. He further commented on the commissioning seminar which will be held in January. He asks to please look forward to our Acoustic performance.
- Ian later discussed the Winter Party, which will be held on January 26th. Please join us at Joe T's.
- ASHRAE's Winter Meeting is this January 29th – February 2nd In Las Vegas! Please let us know if you are planning on attending.
- Rosters are completed and were in the back for pickup and will be made available via the website soon.
- Ian then turned the meeting over to Richard Watters.
- Richard then introduced the Nomination of the Nominating Committee.
  - Larry Akers, Buddy Pace, Cody Pace, Richard Watters, and Fraser Ringel.
- Richard asked if there were any nominations from the floor. Seeing none, he closed discussion. It was then moved to approve these members by John Rhodes, seconded by Nick Schroeder. The motion was then passed unanimously via acclamation.

### Technical Session Minutes:

Cliff Upham introduced our speaker.

#### Speaker:

Melissa Menna, LEED GA, of Bentley Systems, Inc.  
Building Performance, Sales Engineer

#### Topic of Discussion:

Energy Modeling

#### Synopsis:

The speaker today discussed the fast-paced and informative discussion, on various green building issues, including:

- Rating systems and their impact on the marketplace (LEED, California's Title 24, etc...)
- Early "green" designs and how they succeeded or failed
- The ongoing struggle between design intent and actual operations
- Accurately predicting the energy performance characteristics of a building.
- Energy analysis and detailed simulation software for architects and engineers.

### Closing:

Ian Bost adjourned the meeting at 12:54pm.

## Chapter Financial Report

STARTING BALANCE DATE 11/24/2010  
NEW BALANCE DATE 12/15/2010

### Treasurer's Report

*Tony Finch*

#### Financial Data:

Starting Balance (11/24/10):	<b>\$8,803.95</b>
Deposits:	
12/15/2010 Cash deposit for NSF	\$62.00
12/15/2010 Golf Tournament Payments	\$850.00
12/15/2010 Jacobs May 2010 Luncheon Payment	\$380.00
12/15/2010 December Chapter Luncheon	\$920.00
12/15/2010 Eventbrite Online Seminar Payment from 11-17-10 meeting	\$70.00
12/15/2010 Eventbrite Online Payment from 11-17-10 meeting	\$75.00

**Subtotal: \$2,357.00**

#### Payments:

12/15/2010 Check Returned NSF	\$50.00
12/15/2010 Bank Charges for NSF	\$12.00
12/15/2010 Check #5228 Dan Merkel - Printing Reimbursement	\$419.49
12/15/2010 Check #5229 ASHRAE Research	\$6,629.00
12/15/2010 Check #5230 Petroleum Club - Chapter Luncheon 12-15-10	\$1,218.96
12/15/2010 Check #5231 Petroleum Club - November Parking Fees	\$67.50
12/15/2010 Check #5232 N. TX Future City Competition	\$100.00

**Subtotal: \$8,496.95**

**New Balance as of 12/15/10: \$ 2,664.00**

## Grassroots Committee Reports

### Research Promotion

We have raised \$9,579 to date towards research promotion, and we are 32% of the way to Society's goal for us and 27% of the way to our challenge goal for this year. Our next big fundraising event will be the holiday party on January 26th which will feature casino games with lots of great prizes. You can read more about it in the special events section of this newsletter. We will be looking for company sponsorships (\$150 will get you signage and recognition) and are encouraging you to consider purchasing tables so you can reward your employees with a fun night out or to host some business associates and their guests. ASHRAE research is a great cause and the perfect excuse to get those expense accounts rolling!

Thank you for all of your support so far!  
Thanks, Jay Martin

## Grassroots Committee Reports (continued)

### Special Events

No update.

### Student Activities

The TCU chapter continues to hold regular meetings. Student Scholarships went to: Leanne Werner and Jaci Grainger.

Dr. Agonafer has been "cleared" by UTA Compliance to have the FW chapter cover his ASHRAE membership, and his application has been submitted w/payment by Tony Finch.

A meeting of the UTA ASHRAE student chapter is tentatively planned for January 26th at noon, with pizza provided by our FW chapter. Walter Williams, P.E., a principal at HHS Associates, will hopefully be speaking, possibly followed by a brief tour of the UTA thermal energy plant afterwards. HHS Associates is the commissioning agent for the ~\$10M energy conservation project UTA Facilities Management is currently overseeing.

### YEA Committee

We have had a lot of people fill out an application for the Mentoring Program, but we now have more mentors than mentees. I will have to ask the TCU and UTA members to fill out an application if they have not already done so. We encourage anyone interested in the program to please ask an officer or me for more information.

Thanks, Saul Martinez

### Honors and Awards

It is becoming more important for all ASHRAE members to keep their ASHRAE Bio's updated as you do ASHRAE related work. For those ASHRAE members who do not know, ASHRAE has established links thru the ASHRAE Website that allows you to update or create an electronic ASHRAE Bio for each member. ASHRAE is now asking that all nominations for awards have an ASHRAE Bio attached to the Award Nomination.

For the younger members, this is probably an easy thing to do if you have access to a computer. For you older members who do not have the computer skills, it may not be so easy. If you have problems with this, please let me or any of the Ft. Worth Chapter officers know and we will assist you in either creating a Bio for you or updating an existing Bio.

It is a whole lot easier to keep track of all your ASHRAE accomplishments if you update your Bio each year.

Larry Akers  
Honors and Awards Chairman

## ASHRAE Refrigeration Awards

We are looking for nominees who are interested in submitting a project for the following ASHRAE Refrigeration Awards:

Milton W. Garland Commemorative Refrigeration Award for Project Excellence  
Refrigeration Comfort Cooling Award for Project Excellence

The Refrigeration Committee of ASHRAE seeks to promote refrigeration education and development at all levels of the society. As a part of these activities, the Committee can recognize and honor two projects annually for excellence. These two awards are the Milton W. Garland Commemorative Refrigeration Award and the Refrigeration Comfort Cooling Award.

The Milt Garland and the Comfort Cooling awards are given to project designers and owners to recognize innovative concepts, incorporation of new technologies, or solutions to complex refrigeration problems. These awards communicate innovative solutions to other ASHRAE members and highlight the technical achievements of ASHRAE members to associated professionals, other societies, and other refrigeration facility owners.

## ASHRAE Refrigeration Awards

For each winning award the project's designer receives a plaque at ASHRAE's annual meeting. The winning project is described in the printed program along with the names of the awardees. The project's owner is honored with a plaque at a refrigeration program meeting of the local ASHRAE Chapter. And the local Chapter receives a felt patch to go on its award banner. Winning projects are announced in Insights, the ASHRAE Newspaper; and a news release is developed and distributed to the Chapter and award recipients for use in other publications and media. Documentation accompanying the winning projects is also made available to ASHRAE's Journal.

Refrigeration plays a critical role in the health, safety, and comfort of humanity. Sharing inventive solutions and technological developments ensures that the refrigeration field continues to advance in meeting these needs. Participation in these Award competitions brings peer recognition to innovative projects, recognizing the commitment made by owners and the technical proficiency of the project design team.

Additional information can be found at the ASHRAE web site [www.ashrae.org/refrigeration](http://www.ashrae.org/refrigeration).

Please contact Clif Upham (Chapter Technology Transfer Chairman) if you are interested in submitting a project for one of these awards at [clif.upham@engineeredair.com](mailto:clif.upham@engineeredair.com).

## ASHRAE Applauds Signing of Federal Buildings Personnel Training Law of 2010

ATLANTA – Federal legislation signed into law this week will provide training for federal building personnel in the areas of building operations and maintenance, energy management, safety and design functions.

On Tuesday, Dec. 14, President Obama signed the Federal Buildings Personnel Training Act. The Act was introduced in April by Reps. Russ Carnahan (D-Mo.) and Judy Biggert (R-Ill.) and Sen. Tom Carper (D-De.) and Susan Collins (R-Me.). It was supported by more than 33 leading organizations involved in the design, construction, operation and maintenance of buildings, including ASHRAE.

The legislation will help provide federal workers with the necessary training to construct and maintain environmentally sound buildings. Federal workers will be able to be trained in a series of core competencies relating to building operations, maintenance, energy management, and safety and future performance. Workers can take courses and be able to obtain licenses and certification for their efforts.

"This law is a significant advancement for the design, construction, operation and maintenance of our nation's federal buildings," Lynn G. Bellenger, ASHRAE president, said. "ASHRAE applauds the federal government for demonstrating what can be accomplished in building and maintaining energy efficient buildings with excellent indoor environmental quality."



## Chapter Officers and Committee Chairs

### Officers

President	<a href="mailto:ian.l.bost@ashrae.org">Ian L. Bost</a>	(817) 338-1277	<a href="mailto:ian.bost@mail.ashrae.org">ian.bost@mail.ashrae.org</a>
President-Elect	<a href="mailto:richard.watters@ashrae.org">Richard J. Watters</a>	(817) 338-1277	<a href="mailto:richard.watters@mail.ashrae.org">richard.watters@mail.ashrae.org</a>
Secretary	<a href="mailto:daniel.merkel@ashrae.org">Dan Merkel</a>	(414) 807-0204	<a href="mailto:daniel.merkel@mail.ashrae.org">daniel.merkel@mail.ashrae.org</a>
Treasurer	<a href="mailto:tony.finch@ashrae.org">Tony Finch</a>	(817) 656-6076	<a href="mailto:tonyfinch@mail.ashrae.org">tonyfinch@mail.ashrae.org</a>
Governor	<a href="mailto:jay.martin@ashrae.org">Jay Martin</a>	(214) 490-2072	<a href="mailto:jay.martin@mail.ashrae.org">jay.martin@mail.ashrae.org</a>
Governor	<a href="mailto:john.rhodes@ashrae.org">John Rhodes</a>	(972) 206-2590	<a href="mailto:johnrhodes@mail.ashrae.org">johnrhodes@mail.ashrae.org</a>
Governor	<a href="mailto:jay.sullivan@ashrae.org">Jay Sullivan</a>	(817) 805-0020	<a href="mailto:jay.sullivan@mail.ashrae.org">jay.sullivan@mail.ashrae.org</a>

### Committee Chairpersons

Attendance	Aaron Bartek	(817) 838-4363	<a href="mailto:aaron.s.bartek@carrier.utc.com">aaron.s.bartek@carrier.utc.com</a>
Audit	Phil Farco	(817) 267-8651	<a href="mailto:phil_farco@mason-dallas.com">phil_farco@mason-dallas.com</a>
Chapter Technology Transfer	Clif Upham	(214) 483-5000	<a href="mailto:clif.upham@engineeredair.com">clif.upham@engineeredair.com</a>
Historian	Patty Parrish	(817) 791-3227	<a href="mailto:patty.parrish@us.belimo.com">patty.parrish@us.belimo.com</a>
Honors and Awards	Larry Akers	(817) 336-0543	<a href="mailto:lakers@fribergassociates.com">lakers@fribergassociates.com</a>
Membership	Tyson Olivo	(940) 765-9081	<a href="mailto:tolivo@victaulic.com">tolivo@victaulic.com</a>
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Refrigeration	Jeff Hammond	(817) 735-7421	<a href="mailto:jsh@freese.com">jsh@freese.com</a>
Research Promotion	Jay Martin	(214) 490-2072	<a href="mailto:jay.martin@mail.ashrae.org">jay.martin@mail.ashrae.org</a>
Student Activities	Nick Schroeder	(817) 272-9075	<a href="mailto:nschroeder@uta.edu">nschroeder@uta.edu</a>
Special Events	Matt Carter	(817) 805-0020	<a href="mailto:mattc@mjec.com">mattc@mjec.com</a>

## Editor's Notes

There are many notices coming soon. Please watch for these in your upcoming Chapter Newsletter. Things that have been discussed and may be coming: (if you have any input on one of them or all of them please contact your Chapter Board Members)

- Fall Sporting Clay Tournament (date TBD)
- Winter Party (January 26, 2011)
- ASHRAE Winter Meeting - January 29th through February 2nd
- Don't forget CRC in Dallas, Texas - April 14th through 16th
- Spring Golf Tournament (date TBD)

If anyone has news that pertains to ASHRAE locally please let me know and we will see about including it in an upcoming Therm.

Remember: **THIS IS YOUR CHAPTER NEWSLETTER.**

Thank you, Richard Watters

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