



January 11, 2010: Vol. 52, No. 6

Produced by: Ian L. Bost, 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.

## President's Message

Welcome to 2010, we are just about half way through our ASHRAE year and still going strong. We are about to race out of the gates with our Winter Party (this Thursday, Jan 14) and our tour of the Miller Brewery on Friday (Jan 15).

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 Thursday. 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. Additional tokens can be purchased at the event, with the proceeds going to our local operating budget for the chapter. RSVP for this event using the eventbrite email you should have received last week (let us know if you didn't get it).

Our tour of Miller Brewery will kick off at 4pm on Friday the 15<sup>th</sup>. Please meet at the main entrance to the facility on time if you plan to attend. The tour will focus on the refrigeration and process systems in the plant. This event will be free to those who attend, please RSVP using the eventbrite email you should have received last week.

Our December lecturer, Mike Olson with ABB, made an excellent presentation on the adaption of VFDs for a number of building HVAC applications. This information works hand-in-hand with the concepts described by Tom Hartman during his discussion back in October. These concepts are too important to ignore in this day and age, especially as efficiency and sustainability become the focal points of our clients.

Ken Fulk, the Director and Regional Chair for ASHRAE Region VIII, also visited us in December. He shared some news from both Society and the Region and promoted our Chapter Regional Conference (CRC) which will be held this coming April in Monterrey Mexico. We would like to have a strong showing at the CRC this year, so please let us know if you have any interest whatsoever in attending. We will do as much as we can as a Chapter to help facilitate your journey down there. In addition to great training opportunities and the annual business meetings, there are also many great activities and fellowship events that make this trip well worth it.

Our January meeting will be held on Wednesday the 20<sup>th</sup>. Chad Dunn with Triatek will be presenting lab control

Next Chapter Meeting

Lab Control Basics

January 20, 2009  
11:30 A.M.

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

[Click here for map.](#)

## President's Message - Cont.

basics. This discussion will focus on the use of venturi air control valves for critical airflow environments. This will be invaluable information for anyone who has a chance to design systems for hospitals and laboratories.

We continue to make great strides towards the President's Award of Excellence (PAOE). We have been granted nearly 3,500 points so far, putting us about a third of the way to our goal so far. We will need to ramp up our efforts in the coming months to make sure we show up in Monterrey as the Chapter to beat.

I look forward to seeing you a bunch in January.

Sincerely,

Jay Martin  
Chapter President

## January Program/Speaker Bio.

### TOPIC OF DISCUSSION:

Lab Control Basics

### SPEAKER:

Chad Dunn

Speaker:  
Chad Dunn  
Triatek

### CVR Bio:

Mr. Dunn is responsible for Triatek's Worldwide Distribution Network and has over 9 years of experience with Triatek working with specifying engineers, distributors, and end users regarding critical air flow environment controls. During his tenure, Mr. Dunn has managed complex customer installations that range up to over 1000 venturi air valves in a single laboratory project, and is an expert in the design and implantation of these systems.

### Presentation Outline:

Review basic system, mechanical equipment and control strategies and sequences, and test and balance and commissioning strategies and issues

## Board of Governors Meeting Minutes - December 16, 2009

### Attendees:

2 Guests: Ken Fulk, Alan Neely

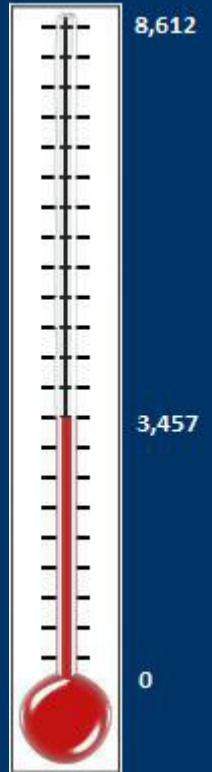
14 Members: Jay Martin, Ian Bost, Richard Watters, Dan Merkel, Patty Parish, David James, Cody Pace, Richard Long, Larry Akers, Matt Carter, Jay Sullivan, W.O. Kelly, Tony Finch, and Brodie Heflin.

Meeting Called to order at 10:37am by Jay Martin, Chapter President.

Ken Fulk addressed BOG.

- Presence at meeting was to check the health of the Chapter and be helpful. Society and Regional Officers are a resource.
- Extended praise to the Fort Worth Chapter for strong performance and leadership. Region VIII is a strong region in Society, so that makes the Fort Worth Chapter a strong Chapter within Society as a whole.
- The website is great; one of the best in the Region
- Reminders:
  - February 5 and 6 = Regional Planning and President Elect Training
  - Look at individuals as emerging leaders for our Region or Society.
- April 22 - 24 = CRC will be in Monterrey

PAOE Points



RP Dollars



## Board of Governors Meeting Minutes - December 16, 2009 - Cont.

- Let's make it the best CRC and the highest attended.
- Chapters should consider a support program for sending members that may have financial difficulty getting to CRC otherwise. Perhaps a plan to fund up to a certain dollar amount.
- Regional Newsletter was sent.
  - Want to do this a couple times a year.
  - Please send feedback and questions to the Regional Newsletter Chairman.
  - For the next Newsletter, would like to have a discussion on best Chapter practices that each would like to share with the other Chapters.
- Update on membership and RP
- Consider CTTC Technology Awards

### Reports:

#### President-Elect (Ian Bost):

- Started write-up of Chapter for CRC and PAOE
- Newsletter was issued

#### Secretary (Richard Watters):

- Richard, Ian, and Dan met and completed the paperwork for our Chapter taxes. The completed form was filed in early November.
  - Ken Fulk advised that we should present these to the BOG in the future for review.
  - This will be presented at the next BOG in January for discussion.
- Roster was completed and should be sent to all members with passwords for accessing the PDF online. Members will be able to update their information with Society, and the Roster will be updated monthly. The Roster will go to print before the end of the year.

#### Treasurer (Dan Merkel):

- Taxes done.
- No new transactions since the Therm was published, so the balance in the account is the same.
- Jacobs is up-to-date with their luncheon payments.

#### Board of Governors (David James):

- No report

#### Board of Governors (W.O. Kelly):

- No report

#### Board of Governors (Cody Pace): NIA

- No report

#### ByLaws Revision (John Rhodes): NIA

#### CTTC (Tony Finch):

- Tech award paperwork is out on the tables for today's luncheon, in the Therm, and on the website.
- January's presentation will be on Lab Controls.
- Other topics now have speakers.
- Jay Martin to call and make arrangements for our Government Speaker.

#### Historian (Patty Parish):

- Met with Dan and Buddy Pace.
  - Questionnaire and interview was done and sent to Cody Pace for inclusion on the website.
- Pictures of the past meeting were sent to Cody.
- Per Ken Fulk, the Regional Historian position is now filled by a new person - Manuel Lizcano.

## Board of Governors Meeting Minutes - December 16, 2009 - Cont.

### Honors & Awards (Larry Akers):

- Distinguished Service Award was submitted
- Waiting on letter from J. Martin for Fellow paperwork, approaching second due-date.
- Looking at Emil Friberg for Exceptional Service Award

### Membership Promotion (Brodie Heflin):

- Membership is up to 292
- 26 delinquents, down to about 10%. 11 of these are Life Members.

### Research Promotion (David James):

- We have collected \$8,822

### Special Events (Jay Sullivan):

- Winter Party will be in January at Joe T Garcias. It will be a casino night with members serving as dealers.
  - Sponsorship is at \$3000
  - Ticket price to be determined - \$40
  - There will be a buffet dinner
  - A budget will be presented to BOG before the purchase of prizes
  - Will send an evite to membership

### Student Activities (Matt Carter):

- UTA Design Team wrapped up. Nick and Jay Sullivan attended. Some students may be at the General Business Meeting.
- TCU Student Chapter is not off the ground yet. A pitch will be made for next semester.
- E Week is being discussed.

### Webmaster (Cody Pace):

- Roster to be uploaded to a password protected folder, and the login credentials will be sent to each member.
- Ken Fulk
  - Website looks great
  - Updates to Roster should appear online - monthly
- Richard Long voiced concern with how Society handles member database and updates to it. It is a painful process and not easy to work with.

### Old Business:

- Search for Petroleum Club replacement is tabled, and the Petroleum Club closing may be postponed.

### New Business:

- We are at 30% of our RP goal for this year.
- \$100 donation in memory of Les Tye will be withheld at this time.
- January meeting will be for membership promotion.
  - Bring a guest, and if they register, you will be entered in a \$100 raffle
  - Member will get a free meal for bringing a new member
- Will need a laptop on the day of the next meeting.
- January 15th will be the Factory Tour of Miller Brewery. This has been confirmed for 20 - 30 people
- January 14th will be the Winter Party

### Other Items: None

President Jay Martin adjourned the meeting at 11:25am

## General Chapter Business Meeting Minutes - December 16, 2009

Meeting Called to order at 12:00pm by Jay Martin, Chapter President.

Proceeded with self-introductions and the introduction of our guests by Dan Merkel.

Jay acknowledged our two special guests: Region VIII DRC, Ken Fulk and Houston Chapter Treasurer, Alan Neely.

Ken Fulk spoke to the Chapter:

- Presented the Regional Activity
- Spoke about the recent renovation of the ASHRAE Headquarters
- Stated ASHRAE Mission Statement
- Strategic plan and goals:
  - Sustainable design
  - Education
  - HVAC&R experts
  - Global leaders
- Region VIII consists of 15 Chapters, 6 Sections, and a total membership of about 3,500.
- Region VIII is the best region in ASHRAE, and the Fort Worth Chapter is a strong chapter within our Region
- Discussed ASRAE Society and makeup
  - \$19M annual budget
  - 52,000 global members
  - 172 Chapters
- Discussed Design Guidelines and other publications
- Discussed new Green Building Standard, which should hopefully be ready to publish next year

### Old Business:

- Thomas Wallace, Student member attended our meeting and was a part of last semester's ASHRAE Student Design Competition

### New Business:

- Jay Sullivan spoke on the Winter Party, to be held on January 14th. Cost will be \$40 per person, and details will be emailed to the membership. Sponsorships are still available.
- January 15th will be our Refrigeration Tour of the Miller Brewery.
- Tony Finch discussed the Technical Award Program.

### Technical Session Minutes:

Tony Finch introduced our speaker:

#### Speaker:

Mike Olson

**Topic of Discussion:** Total Energy Management of Building Systems - VFDs and the Green Building

ASHRAE Standard 90.1 requires efficient part-load control above a certain HP and the easiest and best way to accomplish the part-load efficiency specified is VFDs. Likewise, LEED points are available for use of VFDs on fans and pumps and the Energy and Atmosphere category awards points for electrical part-load efficiency.

Discussed:

- Distortion from drives and the unbalanced loads
- Onboard controls on VFDs to meet the requirements of ASHRAE Standard 90.1
- Preventative maintenance strategies
- Case study
  - High rise building

## General Chapter Business Meeting Minutes - December 16, 2009 - Cont.

- Hospital

Provided a demonstration of a sample drive and fan.

### Closing:

- Last month's meeting minutes were approved.

Jay Martin adjourned the meeting at 1:04pm.

## Chapter Financial Report

The December - January financial report will be included in next month's Therm.

## Historian Report

### Emil Friberg, P.E.

Friberg Associates Inc.  
ASHRAE Member since June 1965

I had the privilege of sitting down with Emil after a recent class and truly felt his love and passion for ASHRAE and the Fort Worth Chapter. He is proud to say that this ASHRAE group has been a high standard group since the 1960's but he is extremely thrilled to see the enthusiasm of the current board and its leadership in strengthening the presence and success of the Fort Worth Chapter. I asked him what he feels our challenges are in today's market. He replied making the ASHRAE Standard 62 and 90 compliant with each job. As well as achieving LEED certification on jobs. It is a new ballgame.



### Buddy Pace

Texas Air Systems  
ASHRAE Member since Sept 1995

Buddy has been married for 23 years and has 2 beautiful children. He is co-owner of one of the fastest growing companies in the metroplex. He does remember back in the day when our monthly meetings were held over dinner at night at Woodhaven Country Club. There was a tech session prior to sitting down to dinner. Only around 30 active members at the time. He was involved with Travis Blair when it was moved to the Petroleum Club and moved to a daytime luncheon in 2002. Dee Gibson encouraged him to take a chair. In 2003, he became President of the Fort Worth Chapter. Together with Les Brown they started the push to reach high goals in the PAOE points.



He provided insight into the mysterious "briefcase" that has been handed down over the years in the Treasurer position of the board. He clarified that it was originated Charlie Wiedemeyer and Ralph Drews back in the late 60's or early 70's. Buddy was instrumental in starting the box of name tags which allowed each person to easily find their name tags at each meeting and then held responsible to replace it in the same filing location to be easily found at the next event. Otherwise they would be scattered over a table to search through. Buddy believes we have a strong board of governors at present and hopes the board will continue to provide seminars for educating our members and future members.

## ASHRAE Technology Awards

### Show the World You Made It!

Be the winner of the industry's most prestigious honor for efficient use of energy in building and environmental system performance. The ASHRAE Technology Awards recognize, on a global scale, successful applications of innovative design, which incorporate ASHRAE standards for effective energy management, indoor air quality, and mechanical design.

### Awards are given annually in the following categories:

- Commercial buildings
- Health care facilities
- Public assembly
- Institutional buildings
- Industrial facilities
- Residential
- Alternative or renewable energy use

### Fort Worth Chapter Competition:

- Recognizes local members at the chapter level for outstanding design and innovations for effective energy utilization.
- The format of competition and judging at the chapter level can be setup by the local chapter (see attached **Short Form** and example Short Form).
- The chapter submittal deadline should be before **April 15<sup>th</sup>, 2010** to allow enough time to complete and submit a Short Form Award Application to the CTTC RVC before the **May 1<sup>st</sup>, 2010** Deadline.

### ASHRAE would like to recognize our 2009 first place National winners:

- **Kenneth Sonmor**—St. Laurent Office Tower/Montreal, Canada
- **Laurier Nicols**—Centre Communautaire de Mississini/Misstissini, Quebec, Canada
- **Thomas Durkin**—HVAC Renovations at George Washington Carver Elementary School Indianapolis, Indiana
- **Jacques de Grace**—Normand-Maurice Building/Montreal, Quebec, Canada

## Technology Awards Program



The purpose of the ASHRAE Technology Awards program is to:

1. Recognize ASHRAE members who design and/or conceive innovative technological concepts that are proven through actual operating data;
2. Communicate innovative systems designs to other ASHRAE members;
3. Highlight technological achievements of ASHRAE to others, including associated professionals and societies worldwide, as well as building and facility owners.

Each year the Society may present awards in seven categories: Commercial Buildings (New and Existing); Institutional Buildings (New and Existing); Health Care Facilities (New and Existing); Industrial Facilities or Processes (New and Existing); Public Assembly (New and Existing); Residential (New and Existing); Alternative or Renewable Energy Use.

For each category a first, second, and honorable mention winner may be named. Also, one of the category first place winners may be selected to receive the ASHRAE Award of Engineering Excellence. The recipient will have demonstrated the best overall compliance with the judging criteria.



## Technology Awards Program



The ASHRAE Technology Awards recognize outstanding achievements by members who have successfully applied innovative building design in the areas of occupant comfort, indoor air quality and energy conservation. Their designs incorporate ASHRAE standards for effective energy management and IAQ. Performance is proven through one year's actual, verifiable operating data.



**FOOD**



**FUN**

## **SAVE THE DATE**

### **Fort Worth ASHRAE Winter Casino Night**

**January 14, 2010**

**La Puertita at Joe T Garcia's**

**2201 N Commerce St.**

**Fort Worth, TX 76016**

**GREAT PRIZES**



### **Grassroots Committee Reports**

#### **Special Events**

Winter Casino Night

The Fort Worth ASHRAE Chapter will be hosting a Winter Casino Night at La Puertita at Joe T Garcia's (the same location as our previous Winter Party). The event will be held on the evening of January 14, 2010. Be there for food, fun and great prizes. There are still sponsorship opportunities available. Please contact Jay Sullivan at 817-805-0020 if you're interested in helping support your Fort Worth ASHRAE Chapter. We'll see you there.

Thanks, [Jay Sullivan](#)

#### **Chapter Technology Transfer Chair CTTC**

Please join us for the tour of Miller Brewery on **Friday, January 15, 2010 at 4:00 PM.**

Thanks, [Tony Finch](#)

# Help Spread The Word About ASHRAE!



## ASHRAE Winter Conference Jan 23-27

ASHRAE returns to Orlando January 23-27 for the Winter Conference and AHR EXPO. Your chapter can help promote the conference in your newsletters and on your web pages. Visit [www.ashrae.org/orlandoresources](http://www.ashrae.org/orlandoresources) and download additional information to help share the latest updates about the technical program, speakers, networking opportunities and more. Feel free to copy from the press release to use on your website and use the web ads to link to the official conference web page - [www.ashrae.org/orlando](http://www.ashrae.org/orlando).

Thanks in advance for sharing the news!



For more information on the 2010 Winter Conference, visit [www.ashrae.org/orlando](http://www.ashrae.org/orlando).

Questions? Comments? Send an email to [orlandoconference@ashrae.org](mailto:orlandoconference@ashrae.org).

ASHRAE, Inc.  
1791 Tullie Circle NE  
Atlanta, Georgia 30329

## ASHRAE Launches Virtual Conference

ASHRAE is adding a Virtual Conference option for the 2010 Winter Conference so members don't have to miss information presented in technical sessions. The Orlando Virtual Conference allows participants to view presentations, post and view questions and comments, and see presenters' responses. It includes more than 250 presentations (synced audio and PowerPoint presentations), with online access to the material for one year. The Virtual Conference is free for paid attendees at the Winter Conference. Registration for the Virtual Conference opens on Nov. 13.

[Click here](#) to learn more about the Virtual Conference.



The Virtual Conference allows remote access to sessions.

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