



May 11, 2010: Vol. 52, No. 10

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

The Chapter Regional Conference (CRC) was held this past weekend in Houston. 10 members of the Chapter were able to attend and represent our interests at the Regional level. The Chapter was awarded the Golden Gavel as best chapter in the Region. This is only the 6<sup>th</sup> time in our 50+ year history that we have achieved this prestigious award. I received the Jack Thompson Award for outstanding service to ASHRAE and the Fort Worth Chapter. Our chapter received the Membership Round 'em Up Award for the most improvement in membership promotion and with the fewest delinquencies.

Matt Carter was awarded the (Student Activities Award) for being the best Student Activities Chairman in the Region. Tony Finch received the CTTC Most Improved Chapter Award. Rick O'Connor (2008-2009) received: Full Circle, Bronze Award, Top Five by Size – Dollars/Member based on Goal. Patty Parrish receive a Gold Ribbon for History Award. Larry Aker received the Regional Award of Merit. David James received PAOE and Star Awards. Cody Pace received the Best Webmaster for 2010.

Ian Bost won the Regional Technology Award in the category of New Institutional Buildings for his work on the new TCU Admissions Center. His project will be submitted to next Society after a collect the energy usage of the building for a year. At that time he will represent our Region and the Chapter on the world stage.

Our final luncheon of the year will be on May 19<sup>th</sup> on the 26<sup>th</sup> floor of Carter Burgess Plaza. Mike Kawecki, will be discussing mechanical strategies for LEED Platinum buildings and will be providing some real-life case studies.

It should come as no surprise that we are back on top within the Region in points tallied towards the President's Award of Excellence (PAOE), and are in 8<sup>th</sup> place in Society and 3<sup>rd</sup> place nationally with 8,879. We will continue to work hard to increase our point tally to try and make up some ground – we have a very good chance of winning the national crown (we're only 161 points behind the National Chapter, the current leader).

We are 86% of the way to our research promotion goal of \$29,000. Our golf tournament in April netted just over \$7,000 for research. We are currently just a little over \$4,000 away from achieving our lofty goal which works out to \$100 per chapter member. Remember, every little bit helps – as your employer if they wouldn't mind making a tax-deductible donation to ASHRAE research. It is very easy to donate by credit card online – look for

Next Chapter Meeting

LEED 2009 Overview

May 19, 2010  
11:30 A.M.

Carter::Burgess Plaza  
777 Main St.  
29th Floor  
Fort Worth, TX

[Click here for map.](#)

## President's Message – Cont.

the link on our website right below the R/P fundraising gauge. If your organization wants to know how they will be recognized, please direct them to our R/P honor roll:

<http://www.ashrae-ftw.org/research-promotion/2008-2009-honor-roll/>

Don't forget about the joint seminar with the Dallas Chapter on the new Standard 189.1 on June 2 at UTA. This standard will be the basis for the new International Green Construction Code which will be published by the ICC. Only a few people have signed up so far, so please register as soon as you read this. The seminar will be worth 3 PDHs and it will be taught by Jeff Ross-Bain, a member of the sub-committee which wrote the standard.

See you in a couple of weeks...

Jay Martin  
Chapter President

## May Program/Speaker Bio.

### Topic of Discussion:

LEED 2009 Overview

### Speaker:

Michael A. Kawecki, LEED AP, GA

### Speaker Bio:

With ten years of experience in design and construction, Michael has performed various roles, including architect, owner, contractor and consultant. As Founder of Axiom Sustainable Consulting, LLC, he is a LEED Accredited Professional, Green Advantage Faculty and the 2008 Chair of the USGBC South Central Regional Council. He was the Project Manager for Hensley Field Operation Center, the first LEED certified facility in Dallas. This facility achieved Gold certification at no additional cost. During that time, His most recent LEED job was Francisco Medrano Middle School, the first school in Texas to achieve LEED certification under LEED for Schools (and the eight in the nation). Michael was one of a dozen individuals who founded the North Texas Chapter of the USGBC and served as 2007 Chair for the Chapter. With a focus on educating the community, Michael has presented LEED to thousands of individuals over the last six years, including developers, contractors, product manufacturers, retailers, property and facility managers, educators, interior designers, architects and engineers.

### Company Bio:

At Axiom, we understand that environmental, social and economic goals must be balanced in order to achieve a successful project. Our expertise goes beyond design, into construction and facility management. Working with both public and private entities, we provide an array of services that move our clients toward sustainability. Our team has a long history in sustainable building and we are at the forefront of what's happening now and what the future will bring. We offer the latest in education, project-specific consultation, portfolio consultation, and transitional leadership and leading edge publications.

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

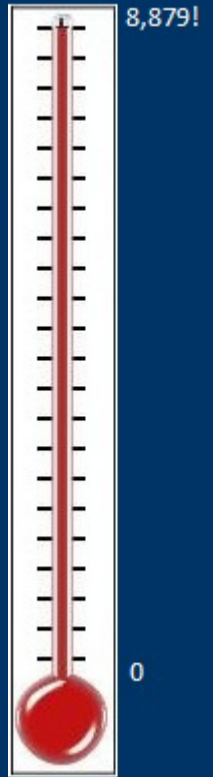
### Attendees:

8 Members: Jay Martin, Richard Watters, Dan Merkel, Patty Parish, David James, Matt Carter, Larry Akers, and Cody Pace.

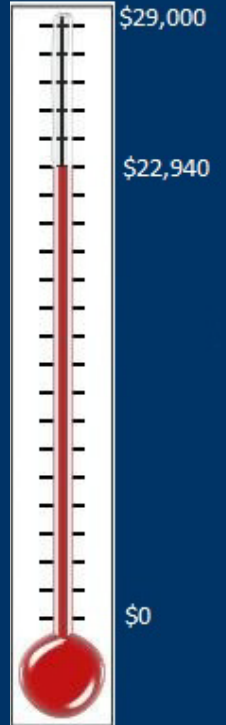
Meeting Called to order at 11:05am by Jay Martin, Chapter President.

Jay updated us on PAOE status: we currently have 6760 points.

PAOE Points



RP Dollars



## Board of Governors Meeting Minutes – April 15, 2010 – Cont.

We need to improve the roster this month. We have lost 13 members.

Research Promotion is in need to donations. Everyone please ask your respective companies for donations.

### Reports:

President-Elect (Ian Bost): NIA

Secretary (Richard Watters):

- Reviewed 2008 taxes with Dan. Previously filed with Society's EIN. Now have correct EIN for the Fort Worth Chapter. Filling out amended return.

Treasurer (Dan Merkel):

- Reviewed 2008 taxes and called the IRS for clarification on Schedule A documentation.
- Received \$6,000 for the Golf Tournament, which was a net of \$3,000 for ASHRAE Research.

Board of Governors (David James): no report

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

Board of Governors (Cody Pace): no report

ByLaws Revision (John Rhodes): NIA

CTTC (Tony Finch): NIA

- Need to issue tech award to Region
- File speaker evaluations ASAP

Historian (Patty Parish):

- CRC Display
- Update History

Honors & Awards (Larry Akers):

- Need to submit award applications ASAP - this is being done
- Will send PDFs

Membership Promotion (Brodie Heflin): NIA

- Delinquencies at 10
- Still showing a net loss of members - need to find about 10 people to join down the stretch

Research Promotion (David James):

- We are at \$16,000 in our fund raising for Research Promotion, with a promise of \$6,000 coming.

Special Events (Jay Sullivan): NIA

Student Activities (Matt Carter):

- Need to do 16/40/40 xfer program pitch and YEA pitch at next meeting
- Jay Martin to write letter to TCU recognizing Bittle's contributions

Webmaster (Cody Pace):

- Everything is good on the web-front.

### Old Business:

- Seminar for 189.1 on June 2 – organizing to be joint with Dallas at UTA.

## Board of Governors Meeting Minutes – April 15, 2010 – Cont.

- May meeting to be held on 26th floor.
- Commissioning webinar next week at 777 Main St

### New Business:

- Everyone push for donations and look for new members where you can.
- Please try to attend the CRC – make reservations ASAP
- A permanent address would help the Chapter be able to receive correspondence from other agencies and give us an address to use for publications. Any change in address due to a new President, will now need to be filed with the IRS.
  - A P.O. Box would cost \$72 per year
  - Dan Merkel motioned that the Chapter invest in a P.O. Box. Richard Watters seconded, all were in favor, and the motioned passed.

President Jay Martin adjourned the meeting at 11:25am.

## General Chapter Business Meeting Minutes – April 15, 2010

### Business Meeting Minutes:

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.

### Old Business:

- Approve minutes:
- ASHRAE webinar on Wednesday 4/21 12-3p – Commissioning for High Performing Buildings. \$15 per person and will include lunch. must RSVP to have lunch (we will only buy as many as we need)
- CRC – Moved to Houston May 6-8
  - Alan Neely from Houston came to speak about the event
  - Please try to attend if possible, it is a very good time.
  - If you have any issues with ASHRAE policies, standards, etc. please see Ian Bost, your delegate to the CRC to see if we want to voice that concern at the regional level – it is your best chance to affect change at the Society level.
- Research Promotion
  - We raised approximately \$6,000 for research with our golf outing on Monday
  - Major push for research funding is ongoing; please consider asking your company to donate or making a contribution on your own. These are tax deductible
- May meeting (5/19) will be held on the 26th floor of 777 Main

### New Business:

- Moawya Allaham with Nexant is here to distribute flyers and talk with anyone who is interested about Oncor's Commercial Energy Audit Program
- Bylaw Approval
  - Our proposed bylaw changes were issued to the membership on March 20th for review. Since we have more than the requisite number of voting members present (47) we will vote to gain Chapter approval. Approval requires a 2/3 majority so we will have to pass out ballots.
  - Gary Fields motioned to accept the ByLaws as presented. Larry Akers seconded. All voting members present were in favor, and the motioned pass unanimously.
  - Now that they are approved these will be forwarded to Society for their approval before they can be adopted.

## General Chapter Business Meeting Minutes – April 15, 2010 – Cont.

- CTTC
  - May Meeting will be “Mechanical Strategies for LEED Platinum Projects (case study)” by Mike Kaweck
  - Joint seminar with Dallas Chapter on new Std 189 to be held June 2 at UTA. Please stay tuned for a flyer for the event
- Student Activities
  - TCU Branch was formally recognized by Society since last meeting
- Special Events
  - Our final fellowship meeting of the year (Past President’s night) will be held at Joe T’s on June 16 at 6pm. The cost will be \$40 per person.

### Technical Session Minutes:

Tony Finch introduced our speaker:

### SPEAKER:

Paul L. Pieper

### TOPIC OF DISCUSSION:

Meeting and Exceeding High Performance Standards, Codes and Guidelines with Air-to-Air Energy Recovery Systems and Equipment

As we move towards net zero energy buildings and a sustainable future for the built environment, many designers struggle with the seemingly conflicting requirements of the latest standards, codes and guidelines when trying to provide high performance HVAC systems that are energy efficient and capable of delivering superior IEQ. Fortunately, air-to-air energy recovery systems and equipment provide one of the most cost-effective and efficient ways to recycle waste energy while creating quiet and comfortable indoor environments. An overview of current and proposed standards and guidelines will be presented to identify areas where energy recovery is mandated and where energy recovery can be employed to meet and exceed performance requirements for efficiency, thermal comfort and ventilation air.

- Discussed ASHRAE Standard 84-2008 and Standard 1060-2008
- Examined performance metrics for air-to-air energy recovery
- Examined 1060 vs. 90.1 effectiveness
- Considered LEED v3/2009 and ways to optimize performance

Closing:

Will post presentation online.

Joint meeting/seminar with Dallas at UTA next month. Please register.

Jay Martin adjourned the meeting at 1:05pm.

## Chapter Financial Report

STARTING BALANCE DATE 3/31/2010  
NEW BALANCE DATE 5/10/2010

### Treasurer's Report

*Dan Merkel*

#### Meeting Information:

Date of Meeting: 4/15/2010  
Members 47  
Guests 10  
**Total:** 57

#### Financial Data:

Starting Balance (3/31/10): \$ 2,598.40  
Deposits:  
March Luncheon Payments at door \$740.00  
Individual Dues Paid \$35.00  
March dues dated 4-15-10 \$560.00  
cx Webinar \$400.00  
Freese and Nichols Sponsorship \$200.00  
Golf Tourney Collections \$12,033.00  
**Subtotal:** \$13,968.00

#### Payments:

Luncheon Meeting Payment \$950.76  
cx Webinar \$242.70  
Golf Tourney Donation to Research \$7,001.40  
Golf Tourney Expenses \$5,431.60

**Subtotal:** \$13,626.46

**New Balance as of 5/10/10:** \$ 2,939.94

## Job Listings

### **ENERGY ENGINEER (2010-1326)**

#### ***Fort Worth, Texas***

Freese and Nichols' Fort Worth office is looking for a high-energy, client-focused Energy Engineer to help build out our energy advisory services practice. This candidate will work with our current staff to lead the planning, development, and execution of complex engineering projects, as well as electrical measurement, verification, and tracking for the purpose of auditing and validating permanent energy reductions. Additionally, the candidate will be expected to collect and analyze field data, analyze energy usage, make energy efficiency recommendations according to industry best practices, and prepare audit reports containing recommended scopes of work and life-cycle cost analyses.

#### **Primary Responsibilities**

1. Detailed engineering analyses including electric and carbon baseline profiles, end-use analysis and retrofit analysis for building systems with particular focus on lighting, HVAC, pumping systems, building automation and controls, chillers, boilers, refrigeration, and other commercial and industrial equipment and systems.
2. Prepare cost proposals for utility, state or federal-sponsored energy efficiency programs, and execute all grant- and incentive-related documentation, including project technical documentation, detailed project costing, and Measurement, Verification, and Tracking (MV&T) plans to meet all state and federally mandated requirements. MV&T may include mathematical modeling to support the implementation of evaluation protocols.
3. Coordinate with staff, contractors, and client stakeholders to prepare reports for internal management of programs and assure that completed projects meet pre-determined financial and system performance goals.

#### **Minimum Qualifications**

1. BS in Mechanical Engineering, Industrial Engineering, Electrical Engineering or related engineering degree, and current Texas Professional Engineer (PE) registration (or the ability to become licensed in Texas within the first year).
2. At least two of the following: Certified Energy Manager (CEM), Certified Energy Auditor (CEA), Certified Lighting Efficiency Professional (CLEP) and/or LEED AP certification.
3. 3-5 years experience in energy efficiency programs or measurement, verification and evaluation. Must have the ability to recognize, identify, assess and produce detailed calculations for energy conservation projects (ECPs).
4. Experience navigating utility, state and federal energy efficiency programs.
5. Experience with energy simulation software applications such as DOE-2, Visual DOE, eQUEST, Power DOE and Trane Trace 700
6. Strong building energy auditing experience and solid knowledge of the LEED rating system. Have participated in ASHRAE level 2 and level 3 audits and retro-commissioning (RCx) studies.
7. Excellent verbal and written communication skills and proficiency with Microsoft Office.
8. Excellent client relationship skills.
9. Experience in the analysis, layout, design and installation of mechanical, electrical, and control systems for military, institutional, educational, municipal, higher education and industrial clients.
10. Experience in preparation of construction documents.

**Qualified candidates are invited to submit their resumes *online* in confidence to [www.freese.com/careers](http://www.freese.com/careers). Jobs can be identified by requisition number or title.**

*Equal Opportunity Employer*

## Job Listings – Cont.

### **MECHANICAL HVAC ENGINEER (2010-1322)**

#### ***Fort Worth, Texas***

Freese and Nichols' Fort Worth office is looking for an experienced HVAC design engineer to provide HVAC design analyses and construction document layouts and designs for military, institutional, educational, municipal, higher education and industrial clients. Candidate should have a Bachelor's degree in Mechanical Engineering; 4+ years related experience working in the consulting field, either for a full-service A&E or MEP firm; and a Texas professional engineer registration (or the ability to become licensed in Texas within the first year). Experience using AutoCAD or Microstation is preferred. Ability to perform energy modeling is a plus. Experience using Revit or Bentley BIM is a plus. LEED® accreditation or experience with sustainable design is a plus.

**Qualified candidates are invited to submit their resumes *online* in confidence to [www.freese.com/careers](http://www.freese.com/careers). Jobs can be identified by requisition number or title.**

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## Chapter Officers and Committee Chairs

### **Officers**

President	<a href="mailto:jay.martin@mail.ashrae.org">Jay Martin, P.E.</a>	(817) 735-6756	<a href="mailto:jay.martin@mail.ashrae.org">jay.martin@mail.ashrae.org</a>
President-Elect	<a href="mailto:ian.bost@mail.ashrae.org">Ian L. Bost, P.E.</a>	(817) 338-1277	<a href="mailto:ian.bost@mail.ashrae.org">ian.bost@mail.ashrae.org</a>
Secretary	<a href="mailto:richard.watters@mail.ashrae.org">Richard J. Watters, P.E.</a>	(817) 338-1277	<a href="mailto:richard.watters@mail.ashrae.org">richard.watters@mail.ashrae.org</a>
Treasurer	<a href="mailto:daniel.merkel@mail.ashrae.org">Dan Merkel, E.I.T.</a>	(414) 807-0204	<a href="mailto:daniel.merkel@mail.ashrae.org">daniel.merkel@mail.ashrae.org</a>
Governor	<a href="mailto:djames@haroldjames.com">David James</a>	(817) 921-5434	<a href="mailto:djames@haroldjames.com">djames@haroldjames.com</a>
Governor	<a href="mailto:wok59ag@aol.com">W.O. Kelly, III</a>	(817) 714-0504	<a href="mailto:wok59ag@aol.com">wok59ag@aol.com</a>
Governor	<a href="mailto:cody.pace@mail.ashrae.org">Cody W. Pace, P.E.</a>	(817) 338-1277	<a href="mailto:cody.pace@mail.ashrae.org">cody.pace@mail.ashrae.org</a>

### **Committee Chairpersons**

Bylaws	John Rhodes	(972) 386-5629	<a href="mailto:johnrhodes@mail.ashrae.org">johnrhodes@mail.ashrae.org</a>
Audit	Phil Farco	(817) 267-8651	<a href="mailto:phil_farco@mason-dallas.com">phil_farco@mason-dallas.com</a>
Chapter Technology Transfer	Tony Finch	(817) 656-6076	<a href="mailto:tonyfinch@mail.ashrae.org">tonyfinch@mail.ashrae.org</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	Brodie Heflin	(817) 735-6251	<a href="mailto:brodie.heflin@mail.ashrae.org">brodie.heflin@mail.ashrae.org</a>
Newsletter	Ian L. Bost, P.E.	(817) 338-1277	<a href="mailto:ian.bost@mail.ashrae.org">ian.bost@mail.ashrae.org</a>
Refrigeration	Richard Long	(817) 354-2898	<a href="mailto:rjdklong@juno.com">rjdklong@juno.com</a>
Research Promotion	David James	(817) 921-5434	<a href="mailto:djames@haroldjames.com">djames@haroldjames.com</a>
Student Activities	Matt Carter	(817) 838-1379	<a href="mailto:matt.carter@mail.ashrae.org">matt.carter@mail.ashrae.org</a>
Special Events	Jay Sullivan	(817) 805-0020	<a href="mailto:jay.sullivan@mail.ashrae.org">jay.sullivan@mail.ashrae.org</a>

## Upcoming Events

- ASHRAE FTW
  - ASHRAE's Half Day Course on Standard 189.1-2009 (June 2, 2010)
  - Past Presidents' Night (June 15, 2010)

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Fort Worth Chapter of ASHRAE  
6300 Ridglea Place, Suite 700  
Fort Worth, Texas 76116