

Next Chapter Meeting

November 18 @

11:30am

Petroleum Club

777 Main Street

Fort Worth, TX 76108

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President's Message—Clif Upham

Greetings! I wanted to thank everyone who attended our Fall Golf Classic at Waterchase Golf Club and I especially would like to thank David Muzzy and Sean Rath for all of their hard work putting the tournament together! It was a huge success and it looks like we made around \$8,000 for ASHRAE Research Promotion.

Regarding our chapter membership, we are currently up four (4) members over last year, but if you know of anyone who may be interested in becoming a member of our chapter or who would like to know the benefits of being a member of our chapter please have them contact me or Keith Woodlee, our Membership Promotion Chair at Keithw@encoremechanical.com.

This month we have another very exciting topic on "Net Zero Buildings" and our speaker will be Scott West. We'll be having a joint meeting with IBSPA (International Building Performance Simulation Association) so it should be a great opportunity to meet and network with folks from their organization.

We are also having a YEA Happy Hour afterwards at the Flying Saucer downtown Fort Worth at 5:30 PM.

Best Regards,

Clif Upham

President

ASHRAE Fort Worth Chapter

cupham@bartosindustries.com

President – Clif Upham

President-Elect – Patty Parrish

Treasurer – Joe Baierski

Secretary – Connie Staudt

RP Chairman – Jay Sullivan

[RSVP](#) for the November Chapter Meeting

Upcoming Events

NOVEMBER CHAPTER MEETING

Wednesday, November 18 @ 11:30am

Petroleum Club
777 Main Street
Fort Worth, Texas 76108

[RSVP](#) - Join us in November for our next Chapter Meeting

Speaker – *Scott West*

Topic – *Net Zero Buildings*

Presentation: This session will focus on design and implementation of net zero energy buildings (NZEBS) and how they can be turned into an operational reality. Achieving net zero energy buildings is the adopted goal of the Architecture 2030 Challenge and is often viewed as the standard for climate neutrality for new buildings. Net zero energy buildings offer particular design challenges but are possible in many circumstances with current technology. This presentation covers introductory and intermediate concepts related to NZEBs, highlights various NZEB design case studies and evaluates the current state of the art.

Presentation Objectives:

- Defining Net Zero Energy
- Learn how integrative design can help achieve project energy goals
- Review net zero energy building case studies and share lessons learned
- Evaluate the economics of NZEB design and construction
- Opportunities and challenges related to on-site renewable energy production

Bio: Scott is an energy and sustainability specialist for HKS in the DesignGreen group in Dallas. Scott's work includes energy modeling and sustainability support for new building design and LEED projects as well as existing building energy audits and retrofits. He is a regular speaker on topics related to energy modeling and high performance building design such as net zero energy. Scott has experience with a wide array of analytical software tools and enjoys conducting energy models to inform building design. He is active with ASHRAE standards development on the topics of energy modeling and high performance building design. Scott has a BS in Mechanical Engineering from the University of Arkansas, as well as an MBA in Finance.

YEA HAPPY HOUR

Join us on Wednesday, November 18 @ 5:30pm to network with a YEA Happy Hour.

The Flying Saucer
111 E. 3rd Street
Fort Worth, Texas 76102



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Upcoming Events cont...

ASHRAE AND IBPSA-USA SimBuild 2016 CONFERENCE

ASHRAE and IBPSA-USA have announced a second, co-organized conference that encompasses the ASHRAE Energy Modeling and IBPSA-USA SimBuild Conferences.

The co-organized conference, titled ASHRAE and IBPSA-USA SimBuild 2016: Building Performance Modeling, takes place August 10-12, 2016, Salt Lake City, Utah. There is currently an open call for papers.

“The first jointly organized conference held in 2014 was a huge success in its ability to bring to the building energy analysis and performance simulation community together and provide the conference content to serve attendees,” Dennis Knight, Conference chair, said. “The ASHRAE and IBPSA-USA SimBuild 2016 conference seeks to build upon that success and further improve the industry’s ability to accurately model building performance.”

For more details, visit the ASHRAE [website](#) for SimBuild 2016.

2016 SPORTING CLAY SHOOT EVENT

Watch for details on our upcoming sporting clay event in Spring 2016!

Alpine Shooting Range
5482 Shelby Road
Fort Worth, Texas 76140

UNFUNDED RESEARCH

There is currently over \$1.25 million worth of Research Projects awaiting funding. Without your support, that won't change.

- Comprehensive Performance Rating (CPR) for Light Commercial Unitary HVAC, Phase 1
- Defining the Capabilities, Needs and Current Limitations of Building Information Modeling (BIM) in Operations and Maintenance for HVAC&R
- Survey of Particle Production Rates from Process Activities in Pharmaceutical and Biological Cleanrooms
- Effect of Unsaturated Fluorocarbon Contaminants on the Reliability and Performance of HVAC&R Equipment
- Testing and Modeling Energy Performance of Active Chilled Beam Systems
- Development of New Accelerated Corrosion Tests for All-American Micro-channel and Tube and Fin Heat Exchangers
- Transport of Contaminants from Garages Attached or Integral to Low-Rise Residential Buildings
- Performance of Pressurized Stairwells with Open Doors.

[Click here](#) to Contribute to help fund these projects.



Upcoming Events cont...

2016 WINTER CONFERENCE – AHR EXPO ORLANDO, FLORIDA

Registration is open for the 2016 Winter Conference in Orlando, January 23-27, at the Orlando Hilton. [Click here](#) to register and get more details.

The AHR Expo will take place January 25-27 at the Orange County Convention Center. Visit the [website](#) to register and get more details on the event.

HVAC DESIGN TRAINING – FEBRUARY 2016 HOUSTON, TEXAS

ASHRAE's HVAC Design: Level I - Essentials training provides participants with instruction that accelerates their transformation into effective members of a design, construction or facilities maintenance team. Developed by industry-leading professionals selected by ASHRAE, the training provides attendees with the fundamentals and technical aspects of HVAC design. Attendees will gain practical skills and knowledge to design and maintain HVAC systems that can be put to immediate use.

Visit the [HVAC Design Training in Houston](#) webpage for more details on the value of this training.



ASHRAE Learning Institute 2015 Fall Online Course Series	
2 WAYS TO REGISTER Take 3 or more courses and save 15% off registration!	
Internet: www.ashrae.org/onlinecourses	
Phone: Call toll-free at 1-800-527-4723 (US and Canada) or 404-636-8400 (worldwide)	
Note: You may register up to 24 hours prior to an online course. Courses are in US Eastern Time. Earn CEU/PDH credits.	
Energy Management Best Practices Mon, October 12, 2015 – 1:00 pm to 4:00 pm EDT	Laboratory Design: The Basics and Beyond Mon, November 2, 2015 – 1:00 pm to 4:00 pm EST
Complying with Standard 90.1-2013: HVAC/Mechanical Wed, October 14, 2015 – 1:00 pm to 4:00 pm EDT	Fundamental Requirements of Standard 62.1-2013 Wed, November 4, 2015 – 1:00 pm to 4:00 pm EST
Commissioning for High-Performance Buildings Mon, October 19, 2015 – 1:00 pm to 4:00 pm EDT	The following course is comprised of two parts. Registrants must attend both parts in order to receive CEU/PDH credits.
Combined Heat & Power: Creating Efficiency through Design & Operations Mon, October 26, 2015 – 1:00 pm to 4:00 pm EDT	Commissioning Process in New & Existing Buildings Part 1 - Wed, October 21, 2015 – 1:00 pm to 4:00 pm EDT Part 2 - Wed, October 28, 2015 – 1:00 pm to 4:00 pm EDT
ASHRAE HVAC Design Training 2 Courses, 5 Days of Intense Instruction Atlanta • Houston • Miami • Minneapolis Halifax • Vancouver • Hong Kong • Kuala Lumpur	
HVAC Design: Level I – Essentials - Registration is \$1,264 (\$1,009 ASHRAE Member) Gain practical skills and knowledge in designing and maintaining HVAC systems that can be put to immediate use. The training provides real-world examples of HVAC systems, including calculations of heating and cooling loads, ventilation and diffuser selection using the newly renovated ASHRAE Headquarters building as a living lab.	
HVAC Design: Level II – Applications - Registration is \$854 (\$699 ASHRAE Member) <i>HVAC Design: Level II – Applications</i> provides instruction on HVAC system design for experienced HVAC designers and those who complete the HVAC Design: Level I – Essentials training. The training provides information that allows practicing engineers and designers an opportunity to expand their exposure to HVAC systems design procedures for a better understanding of system options to save energy.	
Visit www.ashrae.org/hvactraining to register.	



Oct. 2015—Meeting Minutes-Board of Governors

Call to Order – Sign-in – 10:34am – Petroleum Club

President's Award of Excellence (PAOE) **Updated**

	<u>Par</u>	<u>Last Year</u>	<u>YTD</u>	<u>Goal</u>
o Membership Promotion:	800	700	200	1200
o Student Activities:	500	1025	305	1500
o Research Promotion:	1050	1005	0	2700
o Historical Reporting:	300	150	0	500
o Chapter Operations:	1000	1640	805	1500
o Chapter Technology Transfer:	1050	1005	350	1750
o Government / Grassroots	650	1350	75	850
TOTALS	5350	6370	1,735	10,000

Officer Reports

President (Upham)

- o Per ASHRAE, the President for each year's home or work address is the address for the Chapter.

President-Elect (Parrish)

- o Get reports to Patty by the End of Month. Send Newsletter to Golden Gavel Committee each month.

Treasurer (Baierski)

- o Reminder to file taxes for 2014-15 Year. Need to file by November 1.
- o iPad purchase seemed to work out great, worked well for golf tournament.
- o Need to invoice Jacobs for the past two months for luncheons. Joe to meet with Patty to go over the invoice template and filing taxes.
- o Golf tournament payments went well. Only need to receive payments from 3 teams (2 from Tony Finch at Texas Air Systems), and verify that all Sponsors paid.
- o Joe to meet with Jay Sullivan regarding the amount of profit from the golf tournament to send to ASHRAE Research Promotion.

Research Promotion (Sullivan) (not in attendance)

- o Schedule an appointment to meet with Joe regarding the profit from the Fall Golf Classic Tournament.
- o PAOE to Report?

Secretary (Staudt)

- o Name tags for Officers. Status – not completed to date. The vendor did not meet deadline for completion of the tags. Canceled that order and will get a different vendor. Goal is to have completed by the November meeting.

BOG At-Large (Ellis, Muzzy, Merkel) (not in attendance)

Committee Chair Reports

CTTC (Cantu)

- o November Meeting – Petroleum Club on November 18. Topic: Net Zero Buildings by Scott West. Joint meeting with IBPSA.
- o December Meeting – ASHRAE Research Donor Recognition luncheon at Colonial Country Club on December 16.
- o For 2016, January and March speakers are set. Will need February, April and May. At least one Distinguished Lecturer.
- o NTAEE joint meeting is set for April 2016. Need to set topic. Get a DL on Energy Related Topic. Get with David Muzzy to select a topic.
- o Email upcoming meeting details to Connie to put on the website and in the newsletter.
- o Need to set a Building Code Official Spring Event in February. Possibly with the City of Fort Worth. Scott West to head up/plan a seminar/luncheon before CRC.



Fort Worth
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Oct. 2015—Meeting Minutes-Board of Governors cont...

Historian (Muir)

- Schedule recall interviews
- Suggested candidates – need to complete 5 – Options: David Muzzy, Art Giesler, Larry Akers, Sid Ellis, John Speck and Cody Pace
- Complete one interview before the November meeting, start interviewing one per month.
- Schedule an appointment to go to the library with Patty Parrish to review papers/artifacts for Fort Worth Chapter. Joe Baierski to get the library cards to Brian.
- Start digitizing items.

Honors & Awards (Akers) (not in attendance)

- MBO
- PAOE

Membership Promotion (Woodlee) (not in attendance)

- PAOE Point Update – Clif to get from Keith.
- Had pre-planning meeting with Ian Bost.

Refrigeration (Cashen)

- Refrigeration Tour will be scheduled for the Spring 2016. Emailed Panther Island, no response to date. Will call to follow up. Will contact Martin House as well. Options of AAC or Nebraska Furniture Mart (with a Top Golf event following it).
- A Sporting Clay Shoot will be scheduled Spring 2016 at Alpine Shooting Range in Fort Worth, working on available dates.
 - Set up for approximately 50 people
 - Lunch from Hickory Stick BBQ (2 meats, 2 vegetables, tea and cobbler)
 - 10-12 stations on the course
 - Shooters bring their own gun, 100 rounds of ammo, eyes and ear protection (can be rented)
 - Carts available, people movers will be constantly circulating to transport people between stations if carts are not used
 - Sponsorships available (Platinum, Gold, Silver, food and beverage, giveaway prizes, raffles)
 - Non shooter passes available, VIP team passes
 - Identify which groups to invite
 - Registration fee \$125 per person (includes shooting fees, food and cart)
- PAOE Point Update

Special Events (Rath and Muzzy) (not in attendance)

- Great job with the Golf Tournament
- Update on how the tournament went
- Thank you to volunteers and sponsors

Student Activities (Henning)

- PAOE Update – need to email Bill Simpson
- Change Adam's email address to his Gmail
- Need to check in with UTA, have added 6 new members
- TCU is doing very well. Meeting set with Scott West w/IBPSA on Energy Modeling.
- Status of Design Competition with UTA

Webmaster (Staudt)

- Need more content for website from all chairs and upcoming events.
- Need to get Facebook, Twitter and Linked In account login information.
- Work with Van to design logo for the Clay Shoot and add information to the website and newsletter.

YEA (Fiddelke)

- YEA Happy Hour at Chimy's off W. 7th Street in Fort Worth at 5:30pm.
- YEA Tailgate – Thursday, October 29 at 6:30pm for TCU vs West Virginia game. Sponsored by Trane.

Government (Tamagni) (not in attendance)

- Status of Government Activities

Sustainability (West) (not in attendance)

- Status of Sustainability Activities



Fort Worth
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Old Business

- Get reports to Patty by the end of the month
- File taxes.

New Business

- Get Clay Shoot Scheduled – Van is working on Clay Shoot details.
- Start Planning Spring Golf Tournament – David Muzzy

Closing

- Meeting adjourned at 11:30 am

In attendance—

Name	Position
Clif Upham	President
Patty Parrish	President-Elect
Joe Baierski	Treasurer
Connie Staudt	Secretary/Webmaster
Adam Henning	Student Activities
Van Cashen	Refrigeration
Brian Muir	Historian
Jacob Cantu	CTTC
Ashley Fiddelke	YEA

October 2015 – General Business Meeting

Call to Order

- o Meeting called to order at 12:00pm, self-introductions made.

Old Business

- Motion to Approve the meeting minutes from the September Meeting, Seconded by Joe Baierski.
- Thank you to David Muzzy and Sean Rath for all of their hard work putting together another successful Fall Golf Tournament. Thanks to the volunteers and supporters as well.

New Business

- Happy Hour this evening at Chimy's on W. 7th Street at 5:30 PM
- Next meeting will be back at Petroleum Club on November 18th and will be a joint meeting with IBPSA and will be on Net Zero Energy Buildings by Scott West
- Watch for more details on the Spring 2016 Sporting Clay Shoot Event
- YEA/Trane sponsored Tailgate Event – TCU vs West Virginia, Thursday, October 29

Program

- Introduce our speaker: Jacob Cantu

Speaker: Jason Hornsby
Topic: High Volume Low Speed Fan Technology

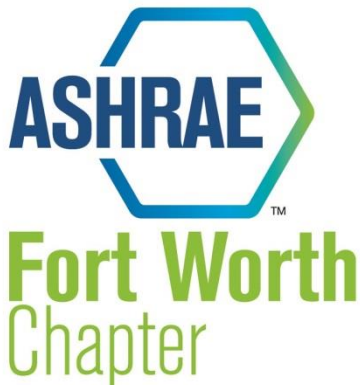
Jason Hornsby is regional sales manager for MacroAir's South Central territory. He is responsible for energizing relationships with MacroAir's reps and distributor groups with a focus on product training and managing fan sales. Hornsby specializes in HVLS fan application, sizing, placement, installation and troubleshooting. His 22-year career in the HVAC representative industry, has allowed him to gain unique product knowledge and system design experience. The last 14 years, he has been the owner of Vector Sales Inc., an HVAC distributor in Baton Rouge, Louisiana. Hornsby enjoys spending time with his high school sweetheart wife and their three children. An avid outdoorsman, Jason enjoys duck hunting and bow fishing from his airboat in the marshes of Louisiana.

Reminders

- Please complete program evaluation forms on the tables
- Next meeting will be back at Petroleum Club on November 18th and will be a joint meeting with IBPSA and will be on Net Zero Energy Buildings by Scott West
- Happy Hour at – 5:30pm - Chimy's on W. 7th Street

Closing

- o Meeting adjourned at 12:45 pm



Treasurer's Report – Joe Baierski

Treasurer's Report

Joe Baierski

Starting Balance (10/1/15):

\$30,198.32

Deposits:

10/20/15 – Square Oct Luncheon Dep

\$991.94

10/22/15 – Square October Luncheon Dep

\$175.02

10/21/15 – Eventbrite October Luncheon Dep

\$450.00

Subtotal: \$1,616.96

Payments:

10/26/15 – Check 5647 Fall Golf Catering

\$1,120.00

10/26/15 – Check 5648 Fall Golf David Muzzy Expenses

\$1,161.84

10/21/15 – Check 5651 Petroleum Club Parking

\$85.00

10/21/15 – Check 5650 Petroleum Club Luncheon

\$1,248.04

10/26/15 – Check 5649 Fall Golf Sean Rath Expenses

\$532.67

Subtotal: \$4,147.55

New Balance as 10/31/15

\$27,667.73

THERM Subscription Management

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Fort Worth Chapter of ASHRAE

PO Box 893

Fort Worth, TX 76101

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