



March 14, 2013: Vol. 55, No. 07

Produced by: Tony Finch
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

Hi I'm Dan Merkel, President of the ASHRAE Fort Worth Chapter.

This month's address is coming from Berlin 6 hrs ahead of schedule. I wanted to make sure everyone is aware our monthly meeting is actually March 21st (the third Thursday, of march) at TCU. [Click here for details.](#)

We are also hosting a plant tour at Parkland Hospital on the 20th. [Click here for details.](#)

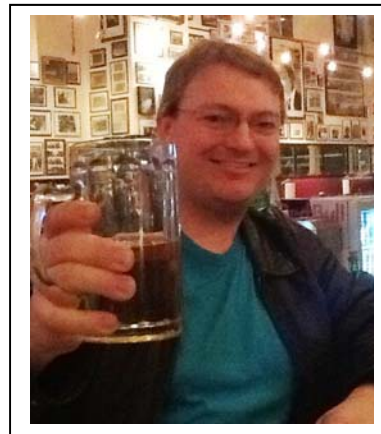
Our golf tournament is April 1st at Timmeron Country Club in Southlake. [Click here to register for the golf tournament.](#)

Don't forget about ASHRAE CRC in April in Austin.

Lastly, please see the rest of the Therm for more information.

Take care & Prost!

Dan



Next Chapter Meeting

March 21, 2013

11:30 A.M.
TCU: Energy Institute, Campus Development And Energy Management

TCU Meyer-Martin Complex
2850 Stadium Dr
Fort Worth, TX

[CLICK HERE TO CONTRIBUTE!](#)

Parkland Hospital Tour – March 20, 2013

Pre-tour Presentation (15-20 minutes) **start at 11:45:**

Cityville, Kessler Conference Room
2222 Medical District, Suite 210
Dallas, Texas 75235

There is a parking garage in the Cityville complex that should accommodate us.

From there we will walk to the CUP for the tour (physical address):

5218 Tex Oak Ave
Dallas, Texas 75235

Please be sure to eat on the way as we won't have space to accommodate a meal. Also, we will begin promptly at 11:45 so as to respect everyone's busy schedule.

March Program – March 21, 2013

Presentation Title: Energy Institute, Campus Development and Energy Management

Location: Meyer-Martin Complex (part of the Daniel-Meyer Coliseum)

- 10:30am Access will be available
- 11:10am Registration starts
- 11:30am Lunch service starts
- 11:45am Announcements
- 12:00 – 12:45pm Program

Program Agenda and Speakers

- Introduction by Todd Waldvogel; Associate Vice Chancellor for Facilities
- TCU Energy Institute Update by Harriet Shields
- TCU Capital Development Update by Harold Leeman
- TCU Energy Management by David Muzzy

Parking is available in lots #6, #1, and #2.

Members may go to TCU website: www.tcu.edu, click visitor, maps and directions.





PRESENTS



THE SPRING GOLF CLASSIC

MONDAY, APRIL 1, 2013



WHERE: TIMARRON GOLF CLUB, 1400 BYRON NELSON PARKWAY, SOUTHLAKE, TX 76092
FORMAT: 4-PERSON SCRAMBLE, SHOTGUN START AT 1:00 P.M. / REGISTRATION OPENS AT 11 AM
BOXED LUNCH SERVED AT 11AM
COST: \$125.00 PER PLAYER, INCLUDES GOLF, DINNER, AND AWARDS
CONTESTS: LONGEST DRIVE + CLOSEST TO PIN + PUTTING
HOLE-IN-ONE: \$10,000 (\$5,000 TO PLAYER AND \$5,000 TO ASHRAE RESEARCH)

PARTICIPANTS

SPONSORSHIP

CAPTAIN: _____
 CAPTAIN'S EMAIL: _____
 CAPTAIN'S PHONE: _____
 PLAYER #2: _____
 PLAYER #3: _____
 PLAYER #4: _____

NUMBER OF PLAYERS _____ x \$125.00 = \$ _____
 HOLE SPONSOR SIGN (\$150.00 PER HOLE) = \$ _____
 SPECIAL HOLE SPONSORSHIPS:
 \$250.00 - TABLE DISPLAY = \$ _____
 TRAILER SPONSORSHIP (\$500.00) = \$ _____

NOTE: ALL SPECIAL SPONSORSHIPS COME WITH A SPONSOR SIGN!

TOTAL ENCLOSED: \$ _____

(PLEASE MAKE YOUR CHECK PAYABLE TO FORT WORTH CHAPTER OF ASHRAE)

E-MAIL, FAX OR MAIL ENTRIES TO:

DAVID MUZZY, TCU
 3589 BELLAIRE DRIVE NORTH
 TCU BOX 297800
 FORT WORTH, TX 76129

OFFICE: (817) 257-4928
 FAX: (817) 257-7278
 EMAIL: D.MUZZY@TCU.EDU

THANKS FOR HELPING THE FORT WORTH CHAPTER OF ASHRAE RAISE MONEY FOR RESEARCH PROMOTION!

ALL SPONSOR ENTRIES DUE NO LATER THAN MONDAY, MARCH 25TH.
ALL PLAYER ENTRIES DUE NO LATER THAN WEDNESDAY, MARCH 27TH.

ASHRAE Webcast – Assessing Building Energy Performance: From Principals to Practice

April 18, 2013 12:00 pm – 4:00pm CST

Hosted by *Texas AirSystems FW*
2951 Northern Cross Blvd, Ste 201
Fort Worth, TX 76137



Tentative Program:

12:00pm Part 1 – Opening Presentations, Q&A

1:30pm Break

1:40pm Part 2 – Roundtable Presentations, Q&A

2:55pm Closing

ASHRAE CRC in Austin – April 20, 2013

Chapters Regional Conference Technical Sessions

*April 18 through 20, 2013
at
Hyatt on Lady Bird Lake
Austin, Texas*

Training Sessions - Saturday Morning April 20, 2013

8 am

Chapter Operations
Refrigeration
Research Promotion
Chapter History
Chapter Technology Transfer
Chapter Treasurer

10am

Young Engineers in ASHRAE
Student Activities
Newsletter/Communications
Webmaster
Government Activities
Membership Promotion

The Regional Director, the Regional Vice-Chairs and other Regional Officers will be providing training and question and answer sessions for incoming Chapter Officers and Chapter Chairs.

In addition, there will be Technical Sessions from 9 to 11 am. Immediately following the Training Sessions the Awards Luncheon will honor various regional award winners, including this year's Golden Gavel winner.

February Meeting Minutes – Board of Governors

Call to Order by Dan Merkel at 10:43 am

Members in attendance – Tony Finch, Keith Woodlee, Jay Sullivan, Sean Rath, Clif Upham, Ian Bost, Dan Merkel, Richard Long, Nick Schroeder, Patty Parish, Connie Staudt

President

- The nominating committee to choose the officer candidates for 2013-2014 was appointed. Jay Sullivan made a motion to approve. Patty Parrish seconded the motion, the approval was unanimous. The members are:
 - Ian Bost
 - Cody Pace
 - Buddy Pace
 - Larry Akers
 - Richard Long
- CRC will be held in Austin starting on April 18th.
- The government outreach group is still participating in the Better Buildings Challenge
 - A training session will be held on Portfolio Manager, which members of the BBC can use to track their utility usage
 - The Chapter can use portfolio manager and the associated training as the “Sustainability Project”
- Upcoming Schedule of Events
 - February 25-26th – SPEER Conference – Austin, Tx – Dan will attend
 - March 15th – Sporting Clay tournament with the Dallas Chapter
 - March 20th – Parkland Central Plant Tour
 - March 21st – Joint meeting with NTAEE at TCU
 - April 1st – ASHRAE Fort Worth Golf Tournament – Timarron Country Club
 - April 17th – April Meeting – Petroleum Club
 - April 18th – Webcast – Assessing Building Energy Performance
 - April 18-20th – ASHRAE CRC – Austin, TX
- There was discussion about charging \$20 for the April webcast. It was approved.
- The BOG meeting will be at TCU before the joint meeting next month

Officer Reports

President-Elect (Finch)

- Weekly reminders will be sent for the list of March events to remind members of the tour, date, and location change
- The nominating committee will nominate candidates by the March Meeting

Secretary (Sullivan)

- The roster is complete – Sponsor art is due by the end of the month

Treasurer (Upham)

- Nothing to report

BOG At-Large (Watters, Maryak, Muzzy, Long)

- Nothing to report

Committee Chairman Reports

CTTC (Schroeder)

- We are attempting to move the March speaker to April to accommodate the joint meeting

Historian (Brunkenhoefer)

- Nothing to report

Honors & Awards (Akers)

- Nothing to report

Membership Promotion (Woodlee)

- The AEEE meeting on the 3rd Thursday of March will be the membership promotion lunch. Those bringing a guest will receive free entrance.

February Meeting Minutes – Board of Governors (cont.)

Refrigeration (Lueg)

- Nothing to report.

Research Promotion (Watters)

- Nothing to report

Special Events (Rath)

- The golf tournament will be held on April 1st at Timarron. Sponsorship opportunities are available.
- There will be a Fort Worth ASHRAE Happy hour after the meeting on March 21st. Location TBD.
- Sean will research Past President's Night locations for a June event.

Student Activities (Bost)

- Ian is speaking in front of students at the Museum on Feb 21st.
- UTA students are actively seeking internships, if anyone is interested. Ian has resumes.
- Students have requested old ASHRAE handbooks, if anyone would like to donate them.

Webmaster (Pace)

- Nothing to report.

Government (Long)

- Dan met with the City of Fort Worth to discuss the BBC.
- They discussed how to increase participation in the group.
- Dan will attend the SPEER conference in Austin next week and will report at the March meeting.

Old Business

- Past President's Night will be held in June. Locations are currently being scouted.

New Business

- There will be a 2015 CRC Committee meeting in March
- See everyone at CRC
- Send Roster advertisements by the end of the month

Closing @ 11:25

February Meeting Minutes – General Business

Call to Order – Self introductions

- 71 members in attendance

Old Business

- Engineer's week is going on now. Ian will speak to students tomorrow at the museum.
- Roster artwork is due by the end of the month for publishing in early March
The sporting clay tournament will be held on March 15th. A signup sheet is available on the website.

New Business

- The SPEER conference will be held in Austin on Feb 25-26th.
- The next meeting will be held on Thursday, March 21st at TCU and will be a joint meeting with the NTAEE group.
- A tour of the Parkland Central Plant will occur on the regularly scheduled third Wednesday. Details and reminders will be emailed in the weeks preceding.

February Meeting Minutes – General Business (cont.)

Program

- Introduce Speaker

Topic: Design With Confidence: What Consulting Engineers Need to Know About Installing VRF Systems From a Contractors Perspective

Speaker Info.

John Reynal, Manager, Encore Mechanical, LLC

John is an owner and a manager of Encore Mechanical, LLC, a mechanical contracting firm formed in 2006 and based in Southlake, TX.

Encore Mechanical, LLC is a leader in variable refrigerant technologies with proven installations for the US Army, LG VRF Laboratory, Make-A-Wish Foundation, and most recently Halliburton. As early adopters, Encore Mechanical, LLC has a portfolio of work that stretches from Washington to Pennsylvania and includes work in six other states in between.

John's career includes a significant background in estimating and project managing large mechanical scopes of work for multiregional customers who value a predictable performance.

John earned his BS degree in Environment Economics at the University of Florida and his MS degree in Construction Management from Texas A&M University.

Presentation Outline

1. Variable Refrigerant Flow – State of the Union
2. VRF systems require uncommon acumen
3. VRF Specifying

Closing

Treasurer's Report – Clif Upham

STARTING BALANCE DATE	3/1/2013
NEW BALANCE DATE	3/31/2013
Treasurer's Report	<i>Clif Upham</i>
<u>Financial Data:</u>	
Starting Balance (3/1/13):	\$ 5,811.76
Deposits:	
3/1/2013 - January Chapter Dues	\$ 560.00
3/11/2013 - Eventbrite funds for February Luncheon	\$ 275.00
Subtotal:	\$ 835.00
Payments:	
Subtotal:	-
New Balance as of 3/31/13:	\$ 6,646.76

ASHRAE Dallas Sponsored Sporting Clay Shoot

The Dallas Chapter would like to extend an invitation to all the Fort Worth Chapter members to attend a sporting clay shoot on March 15th. We will be giving away two high-quality, rugged Brute Coolers (better than the Yeti) to an attendee and a corporate sponsor. It should be a fun event and we hope to see your members out there.

Regards,
Charles

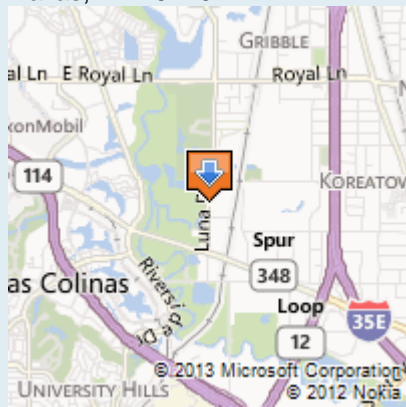
Charles M. Crawford
Engineering Specialist, Victaulic Company
President-Elect / Programs Chair 2012-2013, ASHRAE Dallas Chapter
ccrawford@victaulic.com
(214) 676-4134

REMINDER

ASHRAE Dallas Chapter Sporting Clay Shoot 2013

Where:

Elm Fork Shotgun Sports
10751 Luna Road
Dallas, TX 75220



[Driving Directions](#)

When:

Friday March 15, 2013 from
11:30 AM to 4:00 PM CST
[Add to my calendar](#)

Enjoy an afternoon having lunch and shooting sporting clays with the ASHRAE Dallas Chapter. This event is hosted by the ASHRAE Dallas Chapter with the intention of bringing together professionals from several great Texas chapters of ASHRAE, ASPE, & AFE. Members, non-members, and vendors are all welcome.

The cost is \$125 per person and includes BBQ lunch and shooting fees. Beginners are welcome and a brief safety & instruction course will be held prior to shooting. Shooters are responsible for bringing at least 100 rounds of ammo and a shotgun. Shotguns are available for rent at the range and ammo can be purchased. Registration begins at 11:00 AM. Lunch will be served at 11:30 AM and the shooting starts at 12:30 PM.

Click on the link below to register.

[Register Now!](#)

[I can't make it](#)

Corporate sponsorship packages are available. All proceeds will benefit chapter scholarships or research promotion.

Contact the event coordinator Doug Jones with Lochinvar at djones@lochinvar.com or call 817-946-7452 with any questions or for additional sponsorship details. Thank you for your continued support of our chapter and we look forward to seeing you at the event.

ASHRAE YEA Connection Newsletter

March 2013

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- [HVAC Design Training Scholarship](#)
- [Technical Committees](#)
- [Review of Regional Mentorship Program](#)
- [YEA Chapter Update](#)

Contact YEA:

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Web:
ashrae.org/YEA

Facebook:
[facebook.com/ashraeYEA](https://www.facebook.com/ashraeYEA)

Leadership U

What makes an ASHRAE leader? Leadership U! ASHRAE heads to Denver in June, and up to four YEA members will be selected for this program, which gives them the opportunity to be mentored by Society board members during the conference. The deadline for applications is Monday, March 18th and you can apply at www.ashrae.org/leadershipu.

We had a great Leadership U program in January 2013 in Dallas! The four participants were:

- Karine Leblanc, Southern California Chapter
- Nate Boyd, Central Florida Chapter
- Rami Alkhalil, ASHRAE Falcon Chapter
- Aakash Patel, Western India Chapter



To learn more about this opportunity for future conferences, check for updates at www.ashrae.org/LeadershipU.

ASHRAE 2013 New Face of Engineering Announced

Congratulations to Ian Metzger of the Rocky Mountain Chapter for being selected as the ASHRAE 2013 New Face of Engineering!



ASHRAE received 20 nominations for the 2013 New Face of Engineering program. The top nominees from each engineering society represented on the National Engineers Week committee appeared in USA Today during National Engineers Week, February 17-23, 2013. In addition, Ian will attend the CIBSE Technical Symposium, held in Liverpool, UK in April 2013.

Congratulations again to Ian! Learn more about all of the YEA members who were nominated at www.ashrae.org/newfaces.

HVAC Design Training Scholarship



Presented by the ASHRAE Learning Institute, the [HVAC Design Training](#) course allows attendees to focus on both the fundamental and technical aspects of HVAC design in commercial buildings, providing practical strategies for HVAC

designers and others involved in the delivery of HVAC services.

To encourage attendance by young professional ASHRAE members, the YEA Institute offers one full scholarship for attendance to the HVAC Design Essentials Training.

Congratulation to Gregory Scrivener of the Saskatoon Chapter on being selected as the scholarship recipient for the March 18-20, 2013 training!

Applications are now being accepted for the HVAC Design Training scheduled for June 3-5, 2013 at ASHRAE Headquarters in Atlanta, GA. Apply by April 1, 2013 at www.ashrae.org/HVACscholarship.

Technical Committees

Getting involved in ASHRAE technical committees allows you to help determine the future of our industry and get involved in the Society.

If you are not already involved in a TC, we encourage you to review what TCs are out there and research the ones you are interested in. You can find a list of TCs [here](#) and

download the YEA Guide to Getting Involved in Technical Committees at www.ashrae.org/yea.

If you are looking for a good way to get involved and have website development skills, the following TC's need websites developed:

- TC 1.7: Business, Management & General Legal Fund
- TC 2.3: Gaseous Air Contaminants and Gas Contaminant Removal Equipment
- TG 2.HVAC: Heating Ventilation and Air-Conditioning Security
- TRG 4.IAQP: Indoor Air Quality Procedure Development
- TC 9.4: Justice Facilities

If you have any questions about TCs, email tcstaff@ashrae.net or call 1-404-636-8400.

Review of Regional Mentorship Program at 2013 ASHRAE Winter Conference in Dallas

Have you ever wondered what ASHRAE officers do at the ASHRAE conferences? At the 2013 ASHRAE Winter Conference in Dallas, I experienced the conference as an officer. There is so much more going on behind the scenes at the ASHRAE conferences than the hundreds of seminars, forums, tours, and of course, the AHR Expo.

This year, Region 3 and the Baltimore Chapter sponsored me to shadow Paul Petrilli, Region 3 Director and Regional Chair (DRC), and attend his events and meetings. The purpose was to expose a young engineer in Region 3 to more aspects of the conference and ASHRAE in hopes of increasing their knowledge of the inner workings of the Society, and hopefully their involvement on a regional or Society level. The idea, spawning from Bill Bahnfleth, the current ASHRAE President-Elect, is really an expansion of the current Leadership U program to the regional level; I was the guinea pig for this initiative!

Peeking behind the curtain and gaining knowledge of how the Society works first hand was exciting! My schedule was full of meetings and events. While in Dallas, I attended engagements like the Regions Operations Sub Committee meeting, the Members Council Regional Operations meeting, the Plenary Session, vendor festivities, the YEA Committee meeting, the Board of Director's Luncheon, the Board of Directors meeting, the President's Luncheon, Member's Council. I had the privilege of interacting with HVAC&R engineers, sales representatives, students, and professors from around the world.

Learning how ASHRAE ticks was exhilarating! Overall, the ASHRAE Winter Conference inspired me to encourage peers to deepen their commitment Society.

-Steph Kunkel, YEA Chapter Chair – Baltimore



Steph with Rocky Bleier at the 2013 ASHRAE Winter Conference, wearing his four Super Bowl rings. Rocky was the Keynote Speaker at the conference's Plenary with his speech, "Be the Best You Can Be," which motivates audiences to keep striving for greater accomplishments.

YEA Chapter Update: Halifax Chapter

The local Halifax chapter in Region II had a great first YEA event of the year! They all met at the Metro Centre in Halifax to watch their Halifax Mooseheads take on the Baie-Comeau Drakkar. It was an excellent night with some great networking opportunities, food and people. The picture included is of some of the attendees in their viewing box while celebrating Halifax's 6-2 win.



Lighting Efficiency Improvements Proposed for Standard 90.1

Proposed changes to the ASHRAE/IES energy standard will require automatic lighting controls in more space types and shorten the times before lighting is automatically reduced or shut off.

Addendum by to ANSI/ASHRAE/IES Standard 90.1-2010, Energy Standard for Buildings Except Low-Rise Residential Buildings, was developed in response to requests from the design community, which asked for a tabular structure for specifying the controls requirements. By putting these requirements into an easier-to-use tabular format, the provisions will be clearer, more likely to be complied with and easier to enforce, according to Eric Richman, chair of the standard's lighting subcommittee.

The addendum is open for public review from Feb. 15-April 1, 2013. For more information, visit www.ashrae.org/publicreviews.

"The proposed addendum is the product of both the interest in increasing lighting controls use where practical and simplifying the standard," Richman said.

The 2010 version of the standard includes basic shutoff and occupancy sensor type controls in selected spaces. The addendum will increase the use of occupancy based control to all spaces in a building where practical. At the same time, additional partial on and partial off controls are added to further reduce full on lighting when spaces are typically unoccupied. For example, many spaces that are not always practical applications for full automatic off (such as corridors) would require at least partial automatic off when the space is unoccupied.

The new tabular format allows users to see all requirements for most interior space types and categories in one simple look-up table.

"This new representation and update of control requirements will reduce the time that lighting is on at full levels in many spaces and make the requirements easier to understand and therefore comply with and inspect to," he said. "Both of these conditions will improve energy efficiency of the building."

Also open for public review is addendum ay from Feb. 15-March 17, 2013. The proposed addendum corrects a couple of small editorial issues and raises the threshold for when daylight responsive controls are required so that they are cost effective in all climate zones.

Chapter Officers and Committee Chairs

OFFICERS

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Sustainability	Connie Stout	972-243-6884	connie@ct-supply.com

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