



THE SQUIRREL CAGE —ALAMO ASHRAE

ASHRAE - ALAMO CHAPTER #65

SAN ANTONIO, TX

ISSUE: MARCH 2016 VOLUME LV NO. 07

ALAMO ASHRAE PRESIDENT'S MESSAGE

Alamo ASHRAE,

We're sure to see lots of good drama this month. There will be many controversial issues brought to bear on your peers in and across Bexar County. We have the NCAA March Madness tournament starting. The Spurs are making a stretch run toward the playoffs. There will be no shortage of stock market oscillation. And then there is the small issue of the primary election process. One surely must ask, "How are we so lucky to have such fine candidates running to represent us in the executive office?" After the past 8 years of hope and change, some folks will be "feeling the Bern" where others will be hoping for "huge" things with Trump.

Enough with the political musings. Whatever may happen in this election cycle, I only hope that our local economy continues to grow. The industry has experienced a strong start to 2016, and we all need more of the same.

The golf tournament signup list is filling up fast. If you haven't yet submitted your team registration form, do it post haste. On Thursday April 14th, we will host our annual spring golf tournament at *CANYON SPRINGS golf course*. We're excited about the new course venue and will raise funds for ASHRAE research in fine fashion. Each of these events presents an opportunity to mingle with colleagues, learn or teach something new, and support our local chapter.

Please join us at the *March 16th* monthly meeting, to learn about heat exchangers and ASHRAE 90.1 & ANSI/AHRI Standard 400, and best practices in today's HVAC market! It'll be "HUGE." NOTE the revised time AND location: We will be meeting at The County Line Restaurant @ 5 PM (Supper Meeting). Last month, Dan Marsh with REC Industries sponsored the meeting. There is an available sponsorship opportunity for any interested party at each of our meetings. **You'll have a captive audience at your disposal.** Take advantage of this opportunity and help support your local ASHRAE chapter.

Society level news? ASHRAE offers some great training courses. For more info, please follow this link: www.ashrae.org/hvactraining.

If you have any suggestions on what you would like the local or regional ASHRAE Board of Governors (BOG) to accomplish this year, please let us know.

Respectfully,

Aaron Caldwell, LEED AP



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ANNOUNCEMENT — ALAMO ASHRAE — FEBRUARY CHAPTER MEETINGAlamo ASHRAE Monthly Meeting Announcement

Topic: The Introduction to bEQ Labeling Program

Date/ Time: April 19, 2016 / 11:30 am to 1:00 pm

Location: Oak Hills Country Club
5403 Fredericksburg Road
San Antonio, TX 78229

Speaker: T. David Underwood, P.E. – Current ASHRAE President

RSVP and Pay at Alamo ASHRAE WebsitePresentation Summary:

bEQ labeling has two aspects “In Operation” and “As Designed”. This discussion will cover the advantages and disadvantages of both these programs from a grass roots member point of view. There will be some discussion of local marketing of these programs in a fully developed form and the value of using both aspects together. For example in a real estate portfolio, there are opportunities to assist owners in containing energy costs with subsequent indoor air quality improvements. Qualifications for BEAP’s and BEMP’s will be covered with emphasis on value ASHRAE brings to its members.

About the speaker:

David Underwood has served ASHRAE for many years at the chapter, region and society. He was the founder of Isotherm Engineering Ltd. and Evaporative Tower Services Inc in Ontario, Canada. He received his engineering degree from the University of Manitoba in 1964. Mr. Underwood is a Fellow in ASHRAE. He has received the Distinguished and Outstanding service awards and the William J. Collins award. He has just concluded two years as an ASHRAE Vice President. In his role on the Ontario Provincial Advisory Committee for the certified refrigeration trade, he developed the trade examination and courses for refrigeration apprentices and coauthored a safety manual for refrigeration mechanics. For many years Mr. Underwood was an active participant on the B-52 Mechanical Refrigerant Code committee for Canada. He also actively participated in developing the Refrigerant Management regulation for Ontario. Currently he serves on the Model National Building Code Committee. Mr. Underwood has extensive experience in training operators and technicians through his role in Commissioning systems as a primary function of our design/build firm.



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Meeting Topic: Gasketed Plate & Frame Heat Exchangers

Location: The County Line BBQ

Speaker: Jessica Centurelli

Date: March 15, 2016

Meeting Attendance:

Aaron Caldwell, Andy Luke , Baron Phillips, Bill Arnold, Brad Gilbert, Chris Garcia, Dan Marsh, David Figari, Eric Johnson, Glenn Johnson, John Faultersack, Laura Oranday , Michael Hensley, Mike Layman, Richard McBride, Rick Clardy, Robert De La Cruz, Steven Holt, Tony Garcia, Travis McLeod, Ty Shaner, Bill Wurzbach, John Freund

BOARD OF GOVERNORS MEETING MINUTES



March 2016

ALAMO ASHRAE

August Board of Governors Meeting Agenda

March 24, 2016

Presiding Officer: Aaron Caldwell

CALL TO ORDER

ROLL CALL

OFFICER & CHAIR REPORTS

SELF SERVICING - PAOE review for each committee chair

Remaining year look ahead

Chapter Regional Conference (CRC) April 28-30, 2016 in Tyler, TX

Golf Tournament Update

YEA and Student Activities – Final Push

Treasurer – Baron Phillips

Golf Tournament Expenses Coordination

Membership Promotion – Kalib Brignac

Year end membership push

Research Promotion – Dan Seltzer

Golf Tournament- help needed?

Donna

Patty (all day, or checkin only?)

Allison(all day or checkin only?)

Madison(all day or checkin only?)

Baron P – Odd Job

Ty Shaner (Tiger Drive)

TenT sPONSORS(do the 50/50 raffle)

Chris Delgado (do team photos at the siemens tent)?????

Team Solutions (Long Drive?)

AC

Daniel Boone Seltzer

BOARD OF GOVERNORS MEETING MINUTES



March 2016

YEA – Jonathan Houston

Team activity with Shannon?

CTTC – Brad Gilbert

April 19- OHCC. ASHRAE President David Underwood

May 17- The Barn Door

June 21- Ethics.

Refrigeration – Rey Gutierrez

Website updated yet?

Government Activities – Charles Bustamante

Student Activities – Shannon Novak

This is important, needs to happen quickly.

Society scholarship application update. Let's get a due date set and start advertising soon.

Roundtable Event with student chapter

Historian – Andrew Rodriguez

Commit to one meeting with a history display (dustin and j Houston will man it with Andrew)

STEM Chair- Shannon Novak

?

Website Editor Chair – Madison

Website is rolling

Minimizing is a good idea, from gildardo (less maintenance)

Sustainability Chair – Dan Marsh

?

Chapter Bylaw Changes- Aaron Caldwell

done





TREASURER'S FINANCIAL REPORT: FEBRUARY 2016

ASHRAE Alamo Chapter
 Balance Sheet
 Current as of

3/28/2016

ASSETS

CURRENT ASSETS	
Checking	\$ 15,343.68
Money Market	\$ 15,505.30
Total Accounts	\$ 30,848.98
Petty Cash	\$ 200.00
TOTAL ASSETS	\$ 31,048.98

CURRENT LIABILITIES	
CRC (Regional Conference) Host	\$
Committee Potential Contribution	\$ 15,500.00
Total Liabilities	\$ 15,500.00

EQUITY	\$ 15,548.98
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For More Information Please Contact:
 Baron Phillips
baron.phillips@irco.com





ASHRAE Learning Institute Options

[Click here for more information!](#)

ASHRAE Learning Institute 2016 Spring Online Course Series

<p>2 WAYS TO REGISTER</p> <p>Internet: www.ashrae.org/onlinecourses</p> <p>Phone: Call toll-free at 1-800-527-4723 (US and Canada) or 404-636-8400 (worldwide)</p> <p>Note: You may register up to 24 hours prior to an online course. Courses are in US Eastern Time.</p>	<p style="text-align: center;">Take 3 or more courses and save 15% off registration!</p>
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<p>Combined Heat & Power: Creating Efficiency through Design & Operations Mon, March 28, 2016 – 1:00 pm to 4:00 pm EDT</p> <p>Commissioning Process & Standard 202 Wed, March 30, 2016 – 1:00 pm to 4:00 pm, EDT</p> <p>Advanced High-Performance Building Design Mon, March 23, 2016 – 1:00 pm to 4:00 pm EDT</p> <p>IT Equipment Design Evolution & Data Center Operation Optimization Wed, April 6, 2016 – 1:00 pm to 4:00 pm, EDT</p> <p>Complying with Standard 90.1-2013: HVAC/Mechanical Wed, April 13, 2016 – 1:00 pm to 4:00 pm, EDT</p> <p>Laboratory Design: The Basics and Beyond Mon, April 18, 2016 – 1:00 pm to 4:00 pm, EDT</p> <p>Standard 188-2015 – Successfully Managing the Risk of Legionellosis Mon, April 25, 2016 – 1:00 pm to 4:00 pm, EDT</p>	<p>Air-to-Air Energy Recovery Applications: Best Practices Wed, April 27, 2016 – 1:00 pm to 4:00 pm, EDT Instructor: Paul Pieper</p> <p>Fundamental Requirements of Standard 62.1-2013 Mon, May 2, 2016 – 1:00 pm to 4:00 pm, EDT Instructor: Hoy Bohanon</p> <p>Variable Refrigerant Flow System Design & Applications Mon, May 16, 2016 – 1:00 pm to 4:00 pm, EST Instructor: Dermot McMorro</p> <p style="color: red; font-size: small;">The following courses are comprised of two parts. Registrants must attend both parts in order to receive CEU/PDH credits.</p> <p>Exceeding Standard 90.1-2013 to Meet LEED® Requirements Part 1: Mon, April 11, 2016 – 1:00 pm to 4:00 pm, EDT Part 2: Wed, April 20, 2016 – 1:00 pm to 4:00 pm, EDT</p> <p>Operations & Maintenance of High-Performance Buildings Part 1: Tue, May 17, 2016 – 1:00 pm to 4:00 pm, EDT Part 2: Wed, May 18, 2016 – 1:00 pm to 4:00 pm, EDT</p>
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ASHRAE HVAC Design Training

2 Courses, 5 Days of Intense Instruction

Atlanta • Cleveland • Halifax • Hong Kong • Houston
Kuala Lumpur • Miami • Minneapolis • San Francisco • Vancouver

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)

HVAC Design: Level II – Applications 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.



ASHRAE **Alamo** Chapter

VIEW THE PRESENTATION WITH YOUR FELLOW ALAMO ASHRAE MEMBERS AT THE FOLLOWING LOCATION:

HTS
127 W. Nakoma St
San Antonio, TX 78216



Making Net Zero Net Positive: Solving the Efficiency & Cost Paradox

April 21, 2016 | 12:00–3:00 p.m. CDT

This webcast will feature industry experts who will define the importance of, and why we should strive for, net zero in the built environment. Viewers will be able to identify behaviors that create more effective ownership, design and construction teams, and will recognize the value of a collaborative process in building design and the impact on costs. With a strong emphasis on real-world applications, the program will also discuss the primary technical and financial challenges in achieving net zero buildings, and where this design approach can best be applied.

Attend this FREE webcast program and you may be awarded three Professional Development Hours (PDHs).



T. David Underwood, P.Eng., Fellow ASHRAE, Life Member, CPMP



Marc Brune, P.E.



Philip Macey, AIA



Paul Torcellini, Ph.D., P.E.





Engineering Round Table

When: Tuesday April 21 from 5:30 to 7:30
Where: UTSA campus, LOCATION TBD
RSVP: Shannon.Novak@carrier.utc.com

American Society of Heating Refrigeration and Air-conditioning Engineers (ASHRAE) Alamo Chapter and UTSA Student chapter, invite you to come out and join us this month for our annual Engineering Round Table.

Ever wonder what it is like once you graduate with an Engineering degree, and go out into the real world? Want to learn more about different career paths followed by engineering graduates? Would you like an opportunity to meet and network with local representatives from the HVAC industry?

Come out and speak with:

Sales Engineers

Manufacturing

Building Operators

**Mechanical Design
Engineers**

**Owner's
Representatives**

Project Managers

Energy Modelers

Facility Managers



A vertical poster for the ASHRAE 2016 Annual Conference. The background is a blue sky with white clouds and a view of the Earth from space. At the top, the ASHRAE logo is displayed in white. Below the logo, the text "Join us at ASHRAE's 2016 Annual Conference" is written in a large, white, sans-serif font. Further down, the dates "June 25-June 29" and the location "St. Louis, Missouri" are also in white, sans-serif font. At the bottom, the website address "www.ashrae.org/stlouis" is written in a smaller white font.



Member Spotlight

Chapter Member Name: Richard B. Tarrillion, Jr., P.E.

Company, Position and brief job description:

Ramsey & Company, Sales Engineer

Brief job description:

Mechanical equipment and laboratory and hospital controls sales, Applications Engineering for the products we represent, Design assistance engineers and owners

How long have you been an ASHRAE Member?

I have been an ASHRAE member since March 1, 1976.

What was the experience or motivating factor that compelled you to join ASHRAE? Was there someone who influenced you to join? I had been aware of ASHRAE while in college at UT Austin. I think the renowned engineers I knew of during my early years in Houston heavily influenced my decision to join. These gentlemen were true professionals who didn't need an annual Ethics course to help them know the right thing, nor did they need 1001 codes to show them how to design. I admired them. They were Engineers and they belonged to ASHRAE.

What value does ASHRAE bring to your career (past or present)? Access to the latest information and design practice. Association with other engineers and other members of our industry. I have always enjoyed the camaraderie, war stories, etc.

How has the San Antonio HVAC industry changed over your career?

Engineers provide a lot more detail than in the past. I knew things were changing when I was asked, at what pressure the expansion tank should be set. I had never been asked that question in what at the time would have been over 20 years of practice. The contractor took care of the details and we rarely had problems. Everything changed

with the advent of RFIs and the realization on the part of the better contractors that they could not provide "what was needed but not shown" and still continue to get the job. In the early 80's our sections 15A general, 15B plumbing and 15C mechanical, on a large job would not have been over 1 inch high.

How has the SA HVAC industry remained the same over that same span?

There are still a bunch of good folks working in this business.

Additional Thoughts? I hope this current trend of engineers being basically code compliance specialists will soon end and that we can get back to innovating. I also hope that professionalism will return and that engineers will be more respected and appreciated than they seem to be now.



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