

THE SQUIRREL CAGE —ALAMO ASHRAE

ASHRAE - ALAMO CHAPTER #65

SAN ANTONIO, TX

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ALAMO ASHRAE PRESIDENT'S MESSAGE



The heat of the summer is definitely upon us as we continue to hit triple digit temperatures, and closely monitor the water level of the St. Edward's Aquifer. This time of year truly emphasizes the need for the products, services, and expertise our industry provides.

There were two articles written last month in the San Antonio Express-News to celebrate the 110th Anniversary of Willis Carrier's contribution to the HVAC industry. In fact, the first air conditioned high rise in the US is located here in San Antonio, along with many other accomplishments in commercial HVAC. I encourage everyone to discover these great milestones located in our great city.

The Alamo ASHRAE Kick-Off Party at Bass Pro Shop, yesterday, was a great success! I would like to thank your for your participation, and for helping us get this ASHRAE year started off on the right foot. If you have any comments or suggestions on how we might improve the event, please let me know.

If you have any suggestions on what you would like the BOG to accomplish this year, please send them to us.

Sincerely,

Rocky Ormand 2012-2013 Alamo ASHRAE President



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Alamo ASHRAE Monthly Meeting Announcement

Topic: Using Energy Modeling to Quantitatively Compare Air Distribution Systems Serving

a Portion of a School Building

Date/ Time: September 18, 2012 / 11:30 am to 1:00 pm

Location: Oak Hills Country Club

Speaker: <u>Stillman Jordan</u> with HDR Engineering (Alamo ASHRAE Member)

Meeting Sponsor: HDR Engineering, Inc.

Presentation Summary:

There are numerous air side design alternatives to condition and ventilate buildings. Deciding on a design is challenging. This is particularly important in school buildings since ventilation and thermal comfort are correlated with improved performance in students. An optimal air distribution design will not only provide maximum comfort, but also improve indoor air quality while incurring the lowest long-term cost.

This presentation discusses the payback associated with several air distribution system alternatives potentially serving school buildings in San Antonio. Analyzed air distribution systems include a variable air volume air handler, chilled beam, dedicated outside air, and displacement ventilation systems. An energy model was created to calculate the yearly energy costs for each air distribution system design option. Then the construction costs for each system were calculated so an estimate of the payback for the different air distribution systems could be determined. This presentation will discuss the results of the study and the process involved in performing a detailed payback analysis during the design phase of a project.

About the speaker:

Stillman Jordan is a graduate from UTSA with a Bachelors degree in Mechanical Engineering. Upon graduation, Stillman began employment with HDR Engineering as a HVAC and plumbing design engineer. As part of the design process he has created several energy models to estimate the performance of the buildings and compare design options. While working full time at HDR, Stillman has also pursued his Masters degree in Mechanical Engineering. The focus of his Master's program has been on all things related to energy. He is finishing up his thesis research, which is on the topic of using energy models to assist designers in selecting designs that balance energy efficiency, indoor air quality, and pay back time. Stillman was recently accepted to speak on this topic at the national ASHRAE



Energy Modeling Conference in Atlanta Georgia and the ASME International Mechanical Engineering Congress and Exposition in Houston.

Please come out and support our fellow Alamo ASHRAE member and learn more about the complications and power of using energy modeling during the design phase of a project.

OFFICER'S DIRECTORY—LOCAL CHAPTER

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Fred.Gleeson@eeiengineers.com

Keith Robinson

Travis McLeod

Toni Jeitani

Previous Meeting Attendance:

ASHRAE Kickoff Party August 21, 2012

Chris Richardson R. J. Cotter Larry Wunach Kurt Mosel Chris Long Paul Naizer Richard Powell Chris Garcia **Brad Bright** Daniel Nuckells Chris Delgado Paul Mitchell Dennis Flores Steve Huck Doug Reeves Jim Rodriguez Keven Bridges Bill Crook Fred Glesson Phillip Lee Mark Mattern Chris Villasana Steven Richey Dan Torres Manuel Liscaro Justin Simmons

Kern Turcker Bill Kramer Scott Wunsch Stillman Jordan Daniel Vecera Scott Hilston Chris Drewry **Dwayne Blevins** Ian Vohnince Orlando Palacios Steven Lipe

Stephanie Andersen **Thomas Cocker**

BOARD OF GOVERNORS MEETING MINUTES



ALAMO ASHRAE

2012/2013 PLANNING MEETING MINUTES

August 1, 2012 -- 12:00 PM -- Texas AirSystems

Presiding Officer: Rocky Ormand

CALL TO ORDER

ROLL CALL: President - Rocky Ormand, President Elect — Rey Gutierrez, Secretary — Tareq Ismail,
Treasurer — Woody Thompson, Governor — Jennifer King, Governor — Martin Thomas, Governor — Todd
Buck, Governor — Paul Naizer, CTTC — Brad Gilbert, MP — Dan Torres, RP — Mike Voyten, Student
Activities — Mario Mijangos, YEA — Stillman Jordan, Historian — Manuel Lizcano, Sustainability — Raj
Kapoor, Refrigeration — Daniel Nuckols, Attendance — Rezaur Rahman, Honors & Awards — Ian
Vohwinkle.

OFFICER & CHAIR REPORTS

Treasurer - Woody Thompson

- Financial Report
- · Account primary needs to be changed
- Money Box
- · Deposits for Kick-off, skeet shoot, golf tourny

CTTC - Brad Gilbert, Thursten Simonsen & Nishant Kanapilly

- Meeting Speakers & Topics (Deadline October 1st, 2012)
- Distinguished Lecturer (DL) Kent Peterson (?) / Bob Barker (?)
- Sponsors
- MOB (Due October 1st, 2012)

Membership Promotion - Dan Torres

- Kick-Off Party August 21st @ Bass Pro
- YEA Activities First Event in August
- MOB (Due October 1st, 2012)

RP - Mike Voyten & Wes Weissgarber

- Update on Skeet Shoot
- Update on Golf Tournament
- Call List Campaign
- MOB (Due October 1st, 2012)

BOARD OF GOVERNORS MEETING MINUTES



...Continued from Previous Page

YEA - Stillman Jordan

- Meeting dates
- Upcoming Events First Event in August
- Leadership Conference
- Possible Tour to Sysco Warehosue (?)
- PE Study Group Session

Refrigeration - Daniel Nuckols & Paul Naizer

- Topic for Program Coordinate with CTTC
- YEA Coordination

Government Activities - Fred Gleeson

- New Position
- Ideas 189.1, Commissioning, 180 O&M, send speakers to bases (?)
- City of San Antonio Codes Board

OLD BUSINESS

Presidential Award of Excellence (PAOE)

Update points (Monthly)

Manual for Chapter Operations (MCO)

- Management by Objectives (MBO) * Due October 1st, 2012 *
- Email corresponding chair

ASHRAE Region VIII Officers: http://region8.ashraeregions.org/officers.htm

NEW BUSINESS

ADJOURN

TREASURER'S FINANCIAL REPORT



| reasurer's Report- As reported by Shannon Novak (Current as of 12/12/2011) | |
|--|--------------|
| Checking: | \$ 12,576.18 |
| Money Market: | \$ 8,116.86 |
| Petty Cash: | \$ 200.00 |
| TOTAL ASSETS: | \$ 20,893.04 |

UPCOMING ALAMO ASHRAE EVENTS

| Date | Topic | Speaker | Sponsor |
|--------------------|---------------------------------|--------------------|---------|
| September 18, 2012 | Energy Modeling Software/Design | Stillman Jordan | |
| October 10, 2012 | 1st Annual ASHRAE Clay Shoot | Mr. John Browning! | |

WOULD YOU LIKE TO SPONSOR AN ALAMO ASHRAE MEETING / EVENT?

- 1. Review the presentations that are being provided at www.alamoashrae.org.
- 2. Find a topic you are interested in sponsoring.
- 3.Contact Brad Gilbert (210-426-0887) to reserve your sponsorship.
- 4.Be recognized by Alamo ASHRAE as a sponsor!
- 5.By doing so, you are supporting your local Alamo ASHRAE chapter in delivering quality information for the entire chapter.

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Learning Opportunities—Industry Happenings ...Contact your local chapter president for more info!









ASHRAE PRESS RELEASE—ANNOUNCEMENT

For Release: Aug. 14, 2012

Amanda Dean Public Relations 678-539-1216 adean@ashrae.org

New Scholarship Honors ASHRAE's First Female President

ATLANTA –A scholarship created in memory of Presidential Member Lynn G. Bellenger, P.E., Fellow ASHRAE, has been announced for the 2013-2014 school year.

The one-year \$ 5,000 Lynn G. Bellenger Scholarship will be awarded to a deserving female undergraduate engineering student pursuing a degree in a field related to HVAC&R.

"Lynn was a role model for us all, and her dedication to energy modeling helped to promote a more sustainable world," ASHRAE President Tom Watson said. "Through this scholarship we hope to build upon her legacy by encouraging students to pursue excellence in the field of engineering, just as she did."

More information on the scholarship and details on how to apply can be found at www.ashrae.org/scholarships.

Bellenger served as ASHRAE's president during 2010-2011 and was ASHRAE's first woman president in its 116 year history. Her presidential theme was Modeling a Sustainable World; she was a recognized expert in energy management, with a strong focus on the need for energy modeling to help create and refine more efficient buildings.

During her time as president, Bellenger promoted sustainable design, which according to her, "ignited a passion in people that is changing the world." The first ASHRAE Energy Modeling Conference was also held during her presidency.

Bellenger passed away in 2011. To honor her legacy, ASHRAE established the Lynn G. Bellenger Scholarship, which is being used to recognize women in engineering. Contributions to help fund the scholarship are being accepted at www.ashrae.org/bellenger.

ASHRAE, founded in 1894, is a building technology society with more than 50,000 members worldwide. The Society and its members focus on building systems, energy efficiency, indoor air quality, refrigeration and sustainability within the industry. Through research, standards writing, publishing and continuing education, ASHRAE shapes tomorrow's built environment today.



Position: MEP Design / Management

RS&H, a nationwide Architectural/Engineering firm is currently seeking a Mechanical PE licensed in the State of Texas or an EIT within two years of testing for professional license to fill in a position in their San Antonio, Texas office. There are also positions available in other parts of the country. Candidate must have experience with HVAC design and applicable LEED requirements. Other preferred skills, but not mandatory, are experience with energy modeling, plumbing design, renewable energy design, and familiarity with Federal design requirements, specifically Department of Defense. All those interested should contact Woody Thompson at 210-301-4819 or by e-mail woody.thompson@rsandh.com."

Position: Mechanical Engineer-Intermediate

U T Health Science Center at San Antonio, Facilities Management Department

Performs design and layout of mechanical equipment systems such as plumbing, heating, air conditioning, sprinkler, steam distribution and prepares working drawing for installation of the system in buildings such as hospitals, research laboratories, office buildings, and related structures. Coordinates with internal and external customers in performing regulatory reviews. Also signs and seals plans and specifications.

Do you have a job opening that you would like to advertise? Please coordinate with Rocky Ormand @ rockyo@texasairsystems.com _if you would like to consider posting a job opportunity in next month's edition of <u>The Squirrel Cage!</u>



1st Annual Clay Shoot - SAVE THE DATE

Alamo ASHRAE Chapter

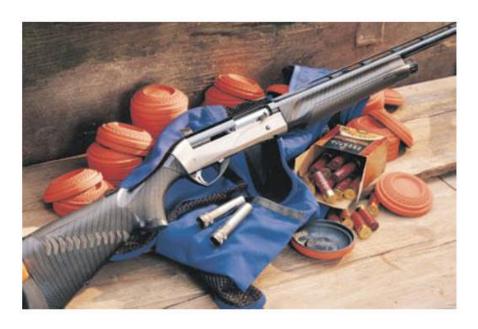
American Society of Heating, Refrigeration & Air Conditioning Engineers

Proudly Presents

1ST ANNUAL CLAY SHOOT 2012

When: Wednesday, October 10, 2012 Start/End Time: 1:30pm to 8pm

Where: San Antonio Gun Club 928 Contour Drive, San Antonio, TX 78212





1st Annual Clay Shoot - Entry Information

Alamo ASHRAE Chapter

American Society of Heating, Refrigeration & Air Conditioning Engineers

1st ANNUAL CLAY SHOOT 2012

Benefitting ASHRAE Research & Scholarships

Wednesday, October 10, 2012



friends (male & female).

Location:

San Antonio Gun Club 928 Contour Drive San Antonio, TX 78212

Check-in

Flight 1: 1:30 check in, 2:30 Start Flight 2: 3:00 check in, 4:00 Start Flight 3: 4:30 check in, 5:30 Start

Format:

\$75 per Shooter, 5 People Per Team, Includes 50 Clays, Shells, Dinner, Beverages, and Prizes

Dinner/Awards Ceremony:

After All Shooters Are Finished

| Player Name | Company P | hone # | Email |
|--|---|---|-------------------------|
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| eferred Flight Time: 2:304 | :00 5:30 (First to Reg | ister will have better ch | ance at Preferred Time) |
| eferred Flight Time: 2:304 | :00 5:30 (First to Reg | ister will have better ch | ance at Preferred Time) |
| eferred Flight Time: 2:304 Make \$75.00 per shooter entry fe | | ister will have better ch | ance at Preferred Time) |
| | | | |
| Make \$75.00 per shooter entry fe | ee checks payable to: Alar | no ASHRAE Chapter | com |
| Make \$75.00 per shooter entry fe | ee checks payable to: Alar Mike Voyten | no ASHRAE Chapter mikev@mechreps.c | com |
| Make \$75.00 per shooter entry fe | ee checks payable to: Alar Mike Voyten C/O Mechanical Reps Inc. | mikev@mechreps.c | com |
| Make \$75.00 per shooter entry fe | Mike Voyten C/O Mechanical Reps Inc. 4710 Perrin Creek #300 | mikev@mechreps.openo.210.650.90 Fax: 210.590.1645 | com 05 |

Open to all engineers, owners, contractors, manufacturers and reps, wholesalers, clients and associates, and industry



1st Annual Clay Shoot - Sponsorship Opportunities

RANGE Sponsorship \$500.00

Ten-Range Sponsorship Available

This sponsorship is the best way to shoot in the tournament and show that you support Alamo ASHRAE Research!

- · Sponsorship highlighted with Full Page "Letter of Appreciation" in the Squirrel Cage ASHRAE Newsletter
- Company name highlighted on our Master Sponsorship Sign (Largest Name on Sign)
- · Recognition during announcements prior to the tournament and during tournament awards ceremony
- · Company Name displayed on sign at each Range Location

BEVERAGE Sponsorship \$250.00

THREE - Beverage Sponsorships Available

This sponsorship is an excellent way for your company to support the ASHRAE Research campaign!

- · Sponsorship highlighted in the Squirrel Cage ASHRAE Newsletter
- Company name highlighted on our Master Sponsorship Sign
- · Recognition during announcements prior to the tournament and during tournament awards ceremony
- · Company Name displayed on Full Color Sign between Dinning Area and Range

FOOD Sponsorship \$250.00

THREE- Food Sponsorships Available

This sponsorship is an excellent way for your company to support the ASHRAE Research campaign!

- · Sponsorship highlighted in the Squirrel Cage ASHRAE Newsletter
- · Company name highlighted on our Master Sponsorship Sign
- · Recognition during announcements prior to tournament and during tournament awards ceremony
- . Company Name displayed on Full Color Sign between Dinning Area and Range

Raffle Prizes Give-Away Donations

Donate Raffle Prizes or Gifts for All Players

Help make the Raffle a success, or donate gifts for all players to enjoy!

- Donations will be recognized in the Squirrel Cage ASHRAE Newsletter
- Donate a raffle prize to be given at the Awards Ceremony in honor of your Company!
- Donate gifts for All Players (approximately 70) to be given during registration in honor of your Company!



1st Annual Clay Shoot - Sponsorship Opportunities

| | ALAMO ASE | IRAE Invoice | |
|--|-------------------------------------|---|--|
| Company Name: | | | |
| Please select one of the fo | llowing: | | |
| ○ Range - \$500 ○ E | Severage- \$200 O Food - \$2 | 00 O Raffle Prize O Give-Away | |
| Contact: | | | |
| | | | |
| | | | |
| Phone #: | | | |
| | | | |
| Phone #: | | AE Chapter | |
| Phone #: | | AE Chapter mikev@mechreps.com | |
| Phone #: Email:* Make Sponsorship checks p | ayable to: Alamo ASHR | mikev@mechreps.com | |
| Phone #: Email:* Make Sponsorship checks p | ayable to: Alamo ASHR. Mike Voyten | mikev@mechreps.com Phone: 210.650.9005 | |

- Sponsorship sign up due by August 31st, 2012. Payment due September 19th, 2012. If your payment is not received by September 19th, 2012 the first company on waiting list will have chance for sponsorship.
- Please email an electronic copy (in color if desired, or black will be standard) in eps format of Company Name with Logo (if logo available) for print materials. Due September 7th, 2012.