

Tri-County SUPER Heat

ASHRAE

American Society of Heating, Refrigeration, and Air-Conditioning Engineers

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Membership Report

Meeting Location

Date:	December 18, 2012
Location:	Coco Palm, Pomona, CA
Board Meeting:	5:00
Socializing:	6:30
Dinner:	7:00
Entertainment:	7:50



We look forward to seeing you again!
Coco Palm Restaurant is located on Restaurant Drive off of Fairplex Drive, just north of the 10 Freeway. Please e-mail Erick at edelgado@acspecialties.com to reserve your spot for the upcoming meeting.

Coco Palm Restaurant
1600 Fairplex Drive
Pomona, CA 91768

COST: Adults (\$40) / Children (\$23)

Tri-County needs sponsors to help with some of the student dinner costs, which are \$20 per student. If you are able to sponsor a student dinner, please contact Erick Delgado (edelgado@acspecialties.com or 562-694-8543). Thank you to Dawson Company, Air Conditioning Specialties, and Conditioning Components for sponsoring student dinners!

The Tri-County Chapter of ASHRAE welcomes the following new members who recently joined the chapter:

Name	Affiliation
Felix Chang	Cal Poly Pomona
Chris Tompkins	RWV Hydronic Controls

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Looking for a unique marketing opportunity?

Have we got a deal for you! For only \$50 (that's right \$50!) you and many more can see your business card appear on THIS PAGE of THIS PUBLICATION for the remainder of the 2012-2013 Tri-County ASHRAE season!

*Now that you're interested, send a *.jpg version of your business card to Adam Stadnik at adam.stadnik@gmail.com while sending a check for \$50 made out to Tri-County ASHRAE to Adam. Adam will let you know where to send the check when you send your business card file to him at his e-mail address.*

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www.acspecialties.com

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PLEASE SUPPORT OUR BUSINESS CARD ADVERTISERS LOCATED HERE AND ELSEWHERE IN THIS PUBLICATION...

**MAKE AN INVESTMENT IN OUR
INDUSTRY'S FUTURE!**

If you would like to place a business card ad in Super Heat for the 2012-2013 Tri-County ASHRAE season, please contact Adam Stadnik via e-mail at ...
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Meeting *Preview*

Tri-County Holiday Family Night!

Our December meeting will be a Holiday Family Night, on December 18, at 6:30. We will have a special time with friends and family members at the Coco Palm restaurant, celebrating the holiday season.

Also history will be repeating itself, as The Great Raguzi will be returning to provide amazing entertainment. The Great Raguzi first performed his magic for Tri-County in 2000.



The entertainment promises to be “magical” thanks to the talents of The Great Raguzi. He has performed for over 35 years, with his “magic touch”, all around the globe. He has performed at the famous Magic Castle in Hollywood where “the best of the best” magicians perform. His performance should be something special and fun because he brings his magic “up close and personal.”

Please come and support your chapter while enjoying a Great night out. Also, remember to bring your family members to our Holiday Family Night.

PLEASE RSVP WITH THE NUMBER OF ADULTS AND CHILDREN THAT WILL BE ATTENDING IN YOUR PARTY. PLEASE RSVP TO ERICK DELGADO—edelgado@acspecialties.com

THANK YOU!!!

Meeting *Recap*

Jerry Christoff from Veneklasen Associates was one of our speakers last month. He discussed “50 years Fighting Noise and Vibration in HVAC Systems – Unique solutions and Lessons Learned.”

Jerry has plenty of experience when it comes to noise problems. On an early sound analyzer, a 12 volt car battery was used for power. One time when an elevator broke down, he had to bring the old analyzer down 30 flights of stairs. Jerry has encountered many other noise issues during his career. Below are some of these noise issues.

- The Cal Tech Seismological Press Room had loud air noise of 90 dB. The problem was solved by using Active Noise Control. The concept of Active Noise Control is based on producing an “anti-noise” signal which destructively interferes with the original sound to reduce the level of the original sound.
- Plaque Diffusers were designed by Veneklasen Associates to help reduce sound at supply diffusers. The noise level is reduced because the air first hits a lined plaque, then the air goes into the room.
- Air Isolation Springs were designed by Veneklasen Associates, after Paul Veneklasen saw air springs on 18 wheeler trucks. Air Springs are used to improve vibration noise when steel springs have too much vibration noise.

Cathleen Novak from Veneklasen Associates was our other speaker last month. She discussed a “Comparison of HVAC Noise Rating Systems.”

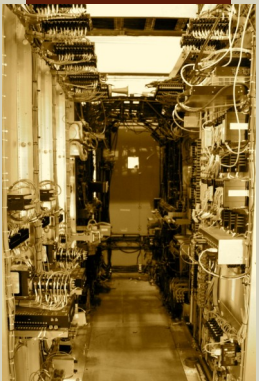
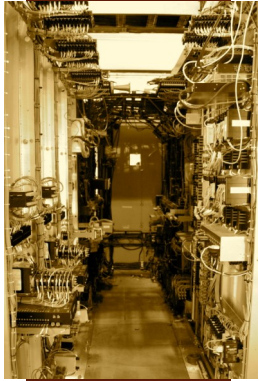
Cathleen showed there are many Noise Rating Systems. A few of them are Decibels in A-weighted sound levels (dBA), Noise Criteria (NC), Room Criteria (RC), Balanced Noise Criteria (NCB), and Room Criteria Mark II (RC Mark II).

Cathleen tested each of these Noise Rating Systems, using subjective testing. People were interviewed and selected to be tested. This subjective testing was correlated with HVAC background noise to find the noise criteria systems best suited to human impression of a built space. The results of the tests showed the Noise Rating System with the best correlated criteria was the dBA system.

Helpful notes: When the dBA is increased by 10, the sound is doubled. When the dBA is decreased by 10, the sound is cut in half.

Thanks go out to Jim Toda for this fantastic recap!

Priceless *Pics*



2012-2013 partial roster

Officers

President	Erick Delgado Air Conditioning Specialties Co. — 714-738-7711
President-Elect	Gil Kitching Energy Inspectors, Inc. — 760-761-3695
Treasurer	Nick Rosner US Air Conditioning — 626-854-6850
Secretary	Position Open! Apply Within!

Board of Governors

Past-President	Jaime Lopez RF MacDonald Company — 714-257-0900
	Tim Hald Barr Engineering, Inc. — 562-944-1722
	Adam Stadnik SCE Field Engineering — 909-261-7632

Committee Chairs

Historian	Jim Toda Conditioning Components — 562-461-1372
Resource Promotion	Joe Sanders DES — 951-310-3235
Student Activities	Mike Lo SCE Customer Energy Efficiency & Solar Division — 626-633-3035
Newsletter Editor	Adam Stadnik SCE Field Engineering — 909-261-7632
Home Page Webmaster	Nick Rosner US Air Conditioning — 626-854-6850
Technology Transfer	
Membership Promotion	Jim Toda Conditioning Components — 562-461-1372



Everyone in Tri-County is responsible for building a better tomorrow!

Tri-County Super Heat

13796 San Luis Rey Court
Rancho Cucamonga, California 91739

CELEBRATING,
20 PLUS
YEARS
1989-2012
TRI-COUNTY ASHRAE!

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1989-1990	SUKHDEV MATHAUDHU
1990-1991	JEFF LEONARD
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1992-1993	TONY PIERCE
1993-1994	GREG MORIN
1994-1995	TONY HENKEL
1995-1996	JOHN HAVILAND
1996-1997	JOEL CARTER
1997-1998	CHANDRACHINDE
1998-1999	JIM TODA
1999-2000	RICHARD MCLEOD
2000-2001	KERRY PARKER
2001-2002	DEBRACHAVIRA-SMITH
2002-2003	LUCASHYMAN
2003-2004	JOE SANDERS
2004-2005	BOB GASTEL
2005-2006	ART ANDRES
2006-2007	JIM PARKER
2007-2008	KYLE LANDIS
2008-2009	RICK CREED
2009-2010	ROBERT MORSE
2010-2011	TIM HALD
2011-2012	JAIME LOPEZ

— journal of the tri-county chapter of the —

American Society of Heating, Refrigerating, and Air Conditioning Engineers

ASHRAE, founded in 1894, is an international organization of 55,000 persons. Its sole objective is to advance through research, standards writing, publishing and continuing education the arts and sciences of heating, ventilation, air conditioning and refrigeration to serve the evolving needs of the public.