

Sol Air

Newsletter of the Southern California Chapter: American Society of Heating, Refrigerating and Air Conditioning Engineers, Inc.
 September 2004 website: www.ashrae-socal.org Vol. 50, No. 1

SEPTEMBER 14, 2004 MEETING INFO:

Les Freres TAIX

1911 Sunset Blvd., Los Angeles, California

5:30 Technical Forum: Minimizing Noise and Vibration in DX Piping Systems
Speaker: Mr. Dan Robinson

6:05 Social Hour (Fun Time!)

6:45 Dinner

\$25 with reservation

\$30 without reservation

\$10 student member

7:45 Main Program: Arch. Panel: What is expected from a Consulting Engineer
Speakers: Mr. Rob Jernigan, Gensler, Mr. Leonard Marvin, AC Martin, Mr. Dean Vlahos, WWCOT

9:00 Meeting Ends

Reservations: Dale Au or Brenda Montmarquet (626) 961-9640, Fax (626) 961-9041 by Mon., Sep. 13, 2003.

SEPTEMBER MAIN MEETING: ARCH. PANEL: WHAT IS EXPECTED FROM A CONSULTING ENGINEER

Speakers: Mr. Rob Jernigan, Gensler, Mr. Leonard Marvin, AC Martin, Mr. Dean Vlahos, WWCOT

About the speakers:

ROBERT JERNIGAN, AIA, LEED AP is a Principal of Gensler and has been with the firm since August 1998. Mr. Jernigan's role at Gensler encompasses a wide range of responsibilities including the leadership of the Buildings and Campuses group in Santa Monica and heading up the Technical Leadership for the firm as well. Mr. Jernigan has applied his technical expertise to over 20 million square feet of architectural and interiors projects. Prior to joining Gensler, Rob was a Vice President of Daniel, Mann, Johnson & Mendenhall in Los Angeles, responsible for the technical direction of the architectural practice. From 1990 – 1994, Rob was a partner of Keating Mann Jernigan Rottet in Los Angeles involved in the design and technical direction of the firm. From 1979 – 1990, Rob was an Associate Partner with Skidmore Owings and Merrill, based in Houston and Los Angeles. Rob is a member of AIA, NCARB, CSI, ULI, and is on the board of Los Angeles Headquarters Association and the Boy Scouts.

DEAN J. VLAHOS, AIA, NCARB, CCCA, Partner/Architect and Director of Architectural Forensics for Widom Wein Cohen O'Leary Terasawa (WWCOT), a Santa Monica based architectural firm. Mr. Vlahos is an expert on the inter-relationship between the architectural field and construction industry, providing litigation support services in the area of design/construction liability and contract services.

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President's Message

*Don La Marr, President,
Southern California Chapter, ASHRAE*

Good morning, good afternoon, or good evening to all ASHRAE members of our Southern California Chapter. This month we start a fresh new year for our chapter beginning with our dinner meeting on September 14 with two exciting and informative programs. In our tech session, Dan Robinson, President of M.W.Sausse and Co., will instruct us on "Minimizing Noise and Vibration in DX Piping Systems." In our main program the panel of architects who will be discussing the subject of "What is expected from a consulting engineer" include Dean Vlahos of WWCOT, Leonard Martin of A.C. Martin, and Rob Jernigan of Gensler.

This year my goals are six fold: increase membership, increase scholarship funding, increase Resource Promotion donations, improve programs, improve seminars, and reinstate the refrigeration committee. The people who plan to fulfill these goals are as follows.

Ralph Panting, Narendra Amarnani, and Lo Ling who are now redoing our multiple databases on membership. I have asked our leaders and members to invite one guest to every other meeting and to show prospective members the benefits of becoming active in ASHRAE.

Ralph with a committee of five has finalized the plans for the 1st Edward Schmidt Memorial Scholarship Golf Tournament to be held on October 11 at La Canada Country Club. We need to have between 120 and 144 golfers, 36 tee sponsors, and 5 to 10 sponsors- either platinum, gold, or silver sponsors. Please plan to participate by playing, sponsoring, or just donating to this worthy cause.

Carmen Urenda will be returning from a training session in Las Vegas and will have an assistant by the time Sol Air is published. If all members would donate between \$50 to \$100 and 15 companies were to donate \$500 to \$1000 to our Research Promotion, our goal would be reached.

Chad Herrick has accepted the responsibility to improve our programs and as of now received over 75%

confirmations from his proposed speakers. Chad had 2 meetings with engineers over the summer to select topics and speakers. We thank all the engineers who participated.

Mark Mosley has selected the topics and speakers for our fall seminar to be held at USC in November. Please enroll your beginning engineering associates in this seminar and in the spring seminar. Mark will supply more information in the near future.

Mark Mosley is beginning his search for a member to chair the Refrigeration Committee. If you have the desire, time, and expertise or know someone who does, please contact Mark at this time.

At this time I would to ask all principals of our industry- engineers, contractors, owners- to get involved and get your associates involved in our ASHRAE Chapter. Only you can make it happen. See you at Taix's on September 14.

SEPTEMBER MAIN MEETING:

Arch. Panel: What is expected from a Consulting Engineer

Mr. Vlahos has more than 26 years of architectural practice with the design and development of more than eight million square feet of building program space valued in excess of \$4 billion, in courthouses, correctional, educational, institutional and emergency operation facilities. He has won awards from the American Institute of Architects on numerous projects. Mr. Vlahos has extensive experience investigating building failures and is a recognized authority on moisture/mold related problems and indoor air quality. He has presented seminars to various professional organizations and published articles on the issues of construction defects, above and below-grade waterproofing systems, construction administration, roofing systems, project management, professional ethics, and the preparation of construction specifications. He is a member of the National Academy of Forensic Engineers, Forensic Expert Witness Association, International Conference of Building Officials, Roofing Consultants Institute, and the Construction Specification Institute. Mr. Vlahos is a graduate of the Ohio State University.

SEPTEMBER TECH MEETING: VIBRATION ISOLATION OF HVAC EQUIPMENT ON LIGHTWEIGHT STRUCTURES

Speaker: Mr. Dan Robinson

Today we see more lightweight design for mechanical equipment supports. This creates a greater need for review of potential vibration problems during the design phase. Dan will talk about some of the points to consider.

Mr. Dan Robinson is a civil engineer who has been with M.W. Sausse' & Company, Inc. for 26 years and currently holds the position of President

TECHNICAL, ENERGY AND GOVERNMENT ACTIVITIES (TEGA)

By Russell J. Lieu, P.E., ASHRAE Southern California Chapter TEGA Chair

TEGA's role with society and the members includes many areas of responsibility. One of the roles for TEGA is to create, enhance and maintain two-way communications between members and society technical activities.

The ASHRAE Technology awards program recognizes, on an international scale, successful applications of innovative design, which incorporate ASHRAE standards for effective energy management, indoor air quality, and good mechanical design. The short form is available on the ASHRAE website <http://www.ashrae.org/template/AssetDetail/assetid/25447>

According to ASHRAE, the purpose of the Government Activities award is to stimulate effective participation by ASHRAE chapters in state, provincial, and/or local government activities in connection with technical issues related to the purpose of the Society.

We would like to encourage all members to start thinking about Technology and Government Activity Awards for this year.

FALL SEMINAR

There will be two session topics at the seminar; Acoustics Practical Design and SMACNA (sheet metal standards & design), lunch is included.

Date: Saturday November 20, 2004 at USC

Morning Seession: 8:00am-12:00pm 'Acoustical Design' by Michael Brown of Martin Newson & Associates

Afternoon Seession: 1:00-5:00pm 'SMACNA standards related to Duct Construction & Duct supports by Bill Blackstone of SMACNA

Cost: \$125.00 for both seminars, or \$75.00 each. There is a \$6.00 parking fee.

For reservations contact: Mark Mosley Phone: (213) 740 – 3076, Fax: (213) 821 – 0172, e-mail mmosley@fms.usc.edu

SALLY ERHMANN

by Pat Lanphere, ASHRAE Historian

It was “several” years ago when Marshall High School required 3 young girls to be “licensed projectionists” to assist the teacher in showing movies concerning health and hygiene. One of the ladies was from the electric shop class and graduated with her diploma in Industrial Arts.

In college at UC Berkeley however, the wiring diagrams and electrical engineering discipline could not hold her interest, and she switched her major to mechanical engineering. At this point she entered the program at University of Southern California where she earned her Bachelor of Engineering degree and graduated second in her class. This is notable as she was the only female in the class. (Jack Russell from Orange County was also in her class at U.S.C.) She was a member of the student ASHRAE Chapter at USC, Jules Pond was the faculty advisor.

Sally Lillian Glassman Ehrmann was and is this lady whose first job was with Harrington and Bradford Engineering here in Los Angeles, the city where she was born and raised. After a short time at H & B, she moved to San Francisco and joined Bentley Engineering. She

claims that the reason she was hired there was because she was left handed and the office was so crowded that two people worked on the same drafting table and leftys work upside down. Wanting to get back to L.A., she took a position with L.W. Davidson Architects and Engineers, and worked alongside a man with a familiar name, F.T. Andrews. During the next two decades she went back to Bradford Engineering, (Mr. Harrington had retired), back to L. W. Davidson, again back to Bradford and Nishimura, (another familiar name), and then to John Denton's office, where she spent 6 1/2 years doing mechanical engineering mainly with school and industrial projects.

During the mid-sixties, when she was Chief Mechanical Engineer with L. W. Davidson and Associates her menu of projects was extensive, including military installations and tracking stations, the Kilroy office buildings, and Cal Tech Univ. maintenance facility and lens grinding for the telescope. She was the engineer on the Western Gear project as well as Incline Village Hotel and Casino, Lake Tahoe.

Sally retired for 12 years in order to raise her two children, and when they were both full time in school, she came out of retirement, and worked at the Los Angeles School District for 1 year, Wm. Yang Company for a short time and seven plus years at Levine and Seegel, and 5 years at Savelle and Rothstein. More recently she was with the United States Air Force Base in El Segundo where she worked for the O&M contractor. While at U.S.A.F.B, Sally's team was awarded \$150,000 by the Dept. of Energy for designs leading to a 30% reduction of energy. That award money went toward a children's community center, (hopefully with a memo attached, "Last one out turn off lights")

She is a Life Member of both ASHRAE and ASME, a retired member of Operating Engineer's Chapter # 501, and a member of Tau-Beta-Pi Honor Society. She is currently Chief Mechanical and Plumbing Engineer at Gotama Building Engineers Inc.

Sally is deeply concerned with the depletion of natural resources and the lack of preparation for the future's energy requirements. Even though she has seen many changes in our industry, she feels the more dramatic changes and improvements will be within the next 20 years.

Sally Erhmann lives in West Los Angeles with her husband of 48 years, Sanford, (Sandy), and they have three grandchildren in addition to their two children.

Sally enjoys bicycling, hiking, running 5K races, ceramics, knitting, any U.C.L.A. athletic event, and horse racing. As with her professional background, her private interests are in a word, "Extensive"!

MEMBERS' CORNER

By Ralph Panting

Society has developed an Access database for many of the Chapters. The database has local membership information. We will be using this for the Roster, the *Sol*Air*, etc. It is updated from Society via the internet on a once a month basis.

So please send any changes to me by fax: (562) 697-6296 or by e-mail rpanting@acspecialties.com.

I'd like to take this opportunity to welcome new members to our chapter:

Adrian Anhood	Pablo Lopez
David Blumberg	Fred Loquasto
John Buonauro	Michael Marnakos
Ron Clouser	Scott Mitchell
Marshall Denninger	John Ortega
Steve Fredrickson	Thomas Plotner
Mark Gahman	John Reuter
Steve Galanter	Jon Roberts
Cecily Grzywacz	Albert Robertson
Bing Hui	Gerald Robinson
John Jolly	Pascual Sanchez
Samuel Klooster	Walter Slusher
Karine LeBlanc	

We'd also like to extend "Happy Birthday" wishes to the following members:

July Birthdays

Akira Hiruma	Kenneth Yu
Alejandro Munoz	Kerri Meenan
Amr El-Issawi	Kevin Davis
Andranik Khechoumian	Krishna Patel
Anthony Raikhel	Martin Ostler
Arnold Bogart	Matthew Freije
Arnold Kaufman	Max Zollman

Bobby Fung	Michael Buhmiller
Brett Fooks	Michael Taylor
Dale Au	Orion Moore
Dan Thatcher	Paul Mellough
Donald La Marr	Ralph Phillips
Doug Jones	Ramin Faramarzi
Du Tran	Randall Higa
Dukwon Chang	Richard Kriete
Edward Gray	Richard Kriwanek
Erick Ziesman	Robert Brennan
Garson Shulman	Robert Lodge
Howard Wolfberg	Robert Lowe
Jack Kozakar	Robert Timpson
Jairam R Agaram	Ron Clouser
James Nauert	Roy Chew
James Pollock	Ruben Morales
James Thompson	Stephen Shaffer
Jason Johnson	Stephen White
Javier Valencia	Steve Lober
Jerry Kraim	Sunil Patel
John Ingersoll	T Hayakawa
John Nelson	Ted Mattock
John Reuter	Terry Lackey
Jon Roberts	Tony Blackburn
Joseph Calabretta	Vachik Armenian
Joseph Noyes	Vanda Puhlovich
Joven Dorado	Wieland Triplett
Justin Murray	William Greenlee

August Birthdays

Alfred Ong	Joshua Kheel
Allen Arbabaraghi	Jung Park
Andrew Deane	Kai-Wing Fong
Bartef Yoosephiance	Louis Castro
Bing Hui	Melvin Upton
Brian Neuwirth	Nicholas Rohan
Bruce McKinlay	Patrick Lanphere
Carl Glass	Paul Bennett
Chad Herrick	Paul Kahng
Charles Knokey	Paul Meuer
Craig Drown	Phillip Hasley
Daniel Busan	Pichit Saiseubyat
Daniel Deeb	Ray Morton
Daniel Dixon	Riza Kilic
Daniel Loibl	Rob Falke
Daniel McKinney	Roger Holder
David Macculloch	Ronald Hyle
Donald Nibecker	Simon Wong
Edward Tomassian	Steven Ly
Efren Villasenor	Susan Wells

Frank Cantelmi	Talaat Sabih
Garry McCoppin	Thomas Chang
Geoff Laughlin	Thomas Gilligan
Give Kamali	Timothy Moon
Henry Khusit	Tom Austin
Ildefonso Bayron	Tom Kambe
Jerry Hernandez	Tom Pluskat
John Russell	Wela Wong
Joseph Jimenez	Yoshitaka Morioka

September Birthdays

Albert Ngu	Leonard Sacco
Ali Danesh	Leslie Katow
Andrew Markway	Louis Horsefield
Anil Shinde	Mahendra Mistry
Antonio Huizar	Manuel Masso
Aung Oo	Mark Nelson
Bret Ninomiya	Mary Johnson
Charles Rodey	Meir Ezer
Cheun Chew	Michael Galindo
Clayton Dunn	Mojgan Mahmoudi
Craig Barnett	Monte Brotnov
Curtis Cady	Peggy Wu
David Blumberg	Peter Pobjoy
David Collins	Phillip Trafton
David Deming	Ray Chandler
David Jacot	Richard Moore
Dean Gaffner	Richard Ochs
Dennis Burns	Robert Arneson
Edmund Richards	Robert Vlick
Eduardo Mijangos	Rodney Schwedler
Edward Clancy	Ronald Marks
Fabian Santa Ana	Saeed Davar
Frank Dunn	Salvador Calderon
Geraldine Massey	Samira Ghaffari
Gregory Haskell	Setrak Daderian
H Berlin	Shin Maekawa
Hrand Ibranossian	Steve Fredrickson
Jack Khalifeh	Steven Romofsky
Jack Swain	Thomas Rotchford
James Camp	Ting Wang
James Hirsch	Tom Hong
Jason Haendler	Travis Laker
Jeremiah Wright	William Comeau
Joe Nishimura	William Denzel
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SOUTHERN CALIFORNIA CHAPTER PROGRAM SCHEDULE

September 14, 2004

Tech Program: Minimizing Noise and Vibration in DX
Piping Systems
Speaker: Mr. Dan Robinson
Main Program: Arch. Panel: What is expected from a
Consulting Engineer
Speakers: Mr. Rob Jernigan, Gensler
Mr. Leonard Marvin, AC Martin,
Mr. Dean Vlahos, WWCOT

October 5, 2004

Tech Program: Table Top Presentations:
Floor Air Distribution
Speaker: Various vendors
Main Program: Underfloor Air Systems
Speaker: Mr. Larry Sun

November 2, 2004

Tech Program: Plan Review Check List for
Serviceability
Speaker: Mr. Mike Gallagher
Main Program: Demand Ventilation for Commerical
Kitchen Hoods
Speaker: Mr. Steve Melink

December 7, 2004: Joint Meeting Hosted by Tri-County Chapter

January 4, 2005

Tech Program: Risk assessment and weater treatment for Legionella

Speaker: Ms. Kathryn Cabral, Water Hygiene Services

Main Program: White Rust and other Open System Treatment Issues

Speaker: Blackhawk Engineering

February 1, 2005

Tech Program: Air Balance Check List and Procedures

Speaker: AABC Representative

Main Program: Comissioning: What it is who does it and getting value for the money

Speaker: To be announced.

March 1, 2005

Tech Program: Changes and Modifictions in the Seismic Mounting Code

Speaker: Mason

Main Program: DDC to t he Bone: Understanding the Cost Impact of DDC Specifications

Speaker: Mr. Alan Slobodkin

April 5, 2005

Tech Program: Installatoon Bloopers

Speaker: Mr. Paul Wisdom, Western Allied

Main Program: SCE Energy Programs from 2005

Speaker: SCE

May 3, 2005

Tech Program: To be announced.

Speaker: ---

Main Program: High Performance School Design, "CHPS"

Speaker: Mr. Randall Higa, Gas Company

June 2005

Installation Dinner/Dance

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WESTERN SECTION PROGRAMS

September 14, 2004

Location: Santa Barbara
 Topic: New Technology in HVAC
 Speaker: Scott Strong, TurboCor Compressors

October 12, 2004

Location: Ventura
 Topic: Boilers-Types and Applications
 Speaker: Steve McCool, Raypak

November 9, 2004

Location: Santa Barbara
 Topic: Kitchen Exhaust Hoods
 Speaker: Rusty Case, Captive Air

(continued on page 13)

Southern California ASHRAE CHAPTER

2004 EDWARD H. SCHMIDT MEMORIAL SCHOLARSHIP GOLF TOURNAMENT

MONDAY, OCTOBER 11, 2004

La Canada Country Club

5500 Godbey Drive, La Canada, CA 91011

Time: Sign in at 11:00 a.m.

Shotgun start at 1:00 pm.

Banquet & Dinner to follow

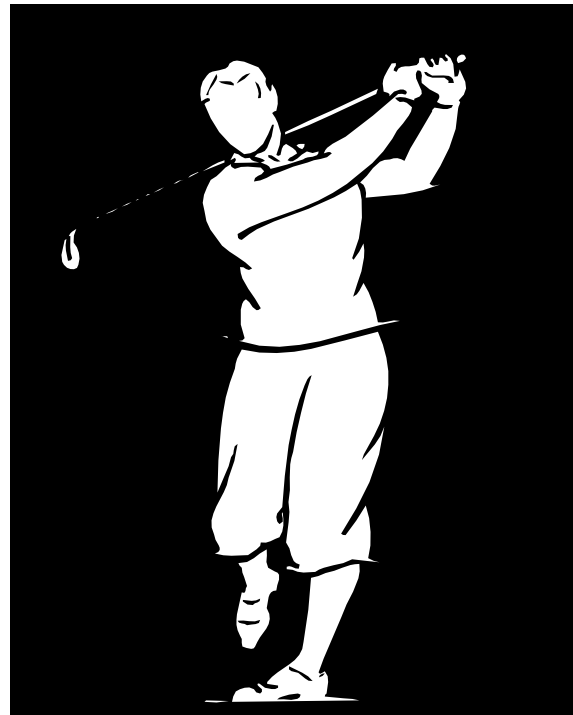
Limited to 144 golfers

Fee: \$175 per player

Dinner only: \$40 per person

Scramble Play

Golf Awards, Door Prizes, & Raffle



Company Sponsorships and Donation are encouraged to help support the Scholarship Fund.

Name Company Phone

- 1. _____
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Group Contact Name: _____ Phone: _____

Corporate Hole Sponsor @\$250 \$ _____

Additional Company Donation \$ _____

Totals \$ _____

Golf Chairperson: Ralph Panting
Phone: (562) 694-8543/Fax: (562) 697-6296

Please make checks California ASHRAE

Send them to: c/o Air Conditioning Specialties Co.
Ralph Panting
850 E. La Habra Blvd., La Habra, CA 90631

HELP WANTED

Anybody wishing to place an ad in this column for an engineering or other position, please submit your request to:

JOEY JIRON
Westland Heating & A/C
1075 Hamilton Rd., Duarte, CA 91010
Phone: (626) 301-4141/Fax: (626) 301-4149
e-mail: jjiron@ars.com

Please make a donation of \$50 per ad made payable to: ASHRAE Southern California Chapter.

HVAC DESIGNER/ENGINEER NEEDED

Hengstler/TMAD, a consulting engineering firm in Anaheim, is currently seeking qualified applicants for a mechanical designer/engineer position. Our current focus is on healthcare facilities and educational facilities.

The minimum requirements are 8-10 years mechanical design experience, be very familiar with OSHPD and DSA requirements, strong communication skills, stable background (3-5 years in one job) and interested in working in an aggressive office with a well established name.

Send resume by fax to 714-490-5560, attn: Carol Myers, or by email to cmyers@jlhaengineers.com

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Well established MEP firm is seeking a mechanical engineer with 10-20 yrs. experience to join our vibrant & growing staff in our Ontario office. Candidate should have education & healthcare project experience, project management abilities, and excellent written/verbal communication skills. Engineering degree preferred. California registration a plus.

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Cash Incentives for Building Automation Upgrades!

The California Public Utilities Commission is offering incentives for SCE and PG&E customers to install energy-saving building automation upgrades through the Enhanced Automation Initiative (EAI).

If you're a Facility Manager of a large facility, call us to request a free assessment of energy-saving opportunities available through EAI.

If you sell controls upgrades, use EAI to increase your business. Contact us for an on-site visit with your interested customer. You may also be eligible for a \$500 stipend for a project proposal that meets EAI guidelines.

EAI pays cash incentives for software and hardware upgrades to existing control systems. Projects must result in energy savings to lighting, HVAC, or other systems. Energy information systems may also qualify.

Incentives are available for large commercial or industrial facilities (100,000 sf or >500kW). Direct Access customers who pay into the public goods fund are also eligible.

Funding is limited. Call soon!

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