

# Sol Air

Newsletter of the Southern California Chapter: American Society of Heating, Refrigerating and Air Conditioning Engineers, Inc.  
 December 2002 website: [www.ashrae-socal.org](http://www.ashrae-socal.org) Vol. 48, No. 4

## DECEMBER 17, 2002 MEETING INFO JOINT MEETING

Southern California Gas Co. Energy Resource Center  
 9240 E. Firestone Blvd., Downey, California 90241  
 (800) 427-6584

**5:00** Tabletop Setup  
**6:00** Registration, Social Hour, No Host Cash Bar and Tabletop Exhibit Viewing

**7:00** Dinner  
 \$35 members with reservation  
 \$40 without reservations/non-members  
 \$10 student member

**Buffet Dinner Menu:**

- Oven Roasted Tri-Tip and Turkey
- Garden Fresh Salad
- Baby Red Tomatoes w/ Dill Butter
- Homemade Sage Stuffing
- Green Beans Almondine
- Fresh Baked Rolls and Butter
- Mini Dessert Extravaganza
- Coffee and Raspberry Ice Tea

**8:00** Main Program: HVAC DDC Design, Practical Examples and Rules of Thumb  
 Speaker: Mr. Frank Shadpour  
 Special Guest: Mr. Don Brandt, Region X Director

**9:00** Meeting Ends  
 Reservations: Dale Au or Brenda Montmarquet (626) 961-9640, Fax (626) 961-9041 by Mon., Dec. 13, 2002.

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## DECEMBER JOINT MEETING: RULES OF THUMB CHECKS FOR HVAC DDC OPEN SYSTEMS

Speaker: Mr. Frank Shadpour, P.E.



This ASHRAE Distinguished Lecturer Program presentation will focus on the latest available technology in HVAC Direct Digital Control (DDC). It will examine the practical options for selection of HVAC DDC systems for existing and new facilities. The emphasis will be on HVAC DDC open systems, such

as ASHRAE BACnet, LonWorks and Supervisory systems.

Our Distinguished Lecturer presenter will be Frank Shadpour, P.E., Vice Chair of ASHRAE TC1.4.

Frank Shadpour is the author of the book *Fundamentals of HVAC Direct Digital Control*. He is the Vice Chair of the ASHRAE Technical Committee TC1.4 - Control Theory and Application - and serves as an ASHRAE Region X Nominating Committee Member. He is a past president of ASHRAE, San Diego Chapter, and a graduate of the University of Southern California. Mr. Shadpour is the instructor of Design and Control HVAC courses at the University of California, San Diego, and is a Principal at GEM Engineering.



## From the President's Desk

*Ralph Panting, President,  
Southern California Chapter,  
ASHRAE*

Hello again! Our meeting for November started well with our Technical Forum speaker, April Trafton from Donald F. Dickerson Associates. Her topic dealt with plumbing and mechanical code issues that have been changed or are about to change. She gave an excellent talk on the subject and I would like to thank her for her contribution to our chapter. Speakers are like teachers. They instruct or impart useful information to their listeners. Listeners have the responsibility to assimilate that information and apply it to their daily operations as needed. Usually, the teacher or giver will learn more than those who just listen. Still all is beneficial. So why don't you join us next month, December 17<sup>th</sup> at the Energy Resource Center in Downy.

Our main speaker for the evening did not show up. We apologize for the inconvenience that this may have caused but there were three speakers that filled in for the evening. I wish to thank them for their contribution.

Doug Willardson from Willardson Mechanical spoke about the need for engineers to take a more active role in promoting engineering services. Each of us as engineers has a better knowledge and understanding of engineering principals and how they should be applied. Finding the most economical approach should be paramount in our minds. First cost is not necessarily the best gauge to judge a project. There are also operating and maintenance issues to be considered.

April Trafton from Donald F. Dickerson Associates continued her talk on code changes.

Lee Ribbeck our Region X assistant DRC, gave a talk on Bacnet a standard protocol or means of communication. Again I thank each of them for their contribution. It's nice to know that there are many talented people in our organization.

The holidays are coming up fast and we all get pretty busy. Here's wishing that we all have a terrific holiday season and a better new year.

Bye for now....

## DECEMBER TABLE TOPS

### Hear Ye – Hear Ye...We Want You for December Table –Tops For Our Joint Meeting With Southern California and Tri-County Chapters

*by Steve Rawski and Wayne Najarian*

Dear Vendors - Don't be outdone by your competition, sign up now for a front row Table-Top to display your hot products at our joint meeting in December. Orange Empire Chapter will be hosting our December 17<sup>th</sup> meeting where we'll be joined by our sister Chapters Southern California and Tri-County. This year's meeting will be held at the Southern California Gas Company's ERC Center in Downey. Don't be left out in the cold, sign up now for a Table-Top, show us what you've got.

The Table-Top fee is \$125.00, payable to the Orange Empire Chapter. All proceeds are used to support chapter activities/programs.

Please support your chapter and give me a call, Wayne Najarian at 714-895-1411, fax me at 714-892-8676 or e-mail me, at [wayne@heattech.com](mailto:wayne@heattech.com), to reserve your table top(s). We look forward to seeing you and your products at our December meeting.

## NOVEMBER MEETING HIGHLIGHTS



*April Trafton, Technical Program speaker.*



## ASHRAE RESEARCH HONOR ROLL INVESTORS

By Carmen Urenda, PE

During the ASHRAE Research Promotion Campaign, we ask you to show your support with monetary donations. And while gifts of all amounts are appreciated, \$100 or more will qualify you for the ASHRAE Honor Roll. Honor Roll investors receive commemorative coins and holders or plaques and a list of Honor Roll investors is published annually in the October ASHRAE Journal. You may have noticed that there are different types of commemorative coin awarded. The breakdown of donations versus awards is as follows:

### HONOR ROLL INVESTORS

\$100 to \$249 – Antique Brass  
Coin

(\$150 minimum for business  
investors)

\$250 to \$499 – Antique Brass Coin  
and Plaque

\$500 to \$999 – Polished Brass  
Coin and Plaque

\$1,000 to \$2,499 – Silver Coin and  
Plaque

### RESEARCH PARTNERS

\$2,500 to \$4,999 – Gold Coin,  
Plaque and Base

\$5,000 to \$9,999 – Personalized  
Shadowbox Plaque

In the past two months, the following chapter members have donated to the ASHRAE Research Fund and we thank them for their generous support:

Sudhir K. Agrawal  
Paul Bennett  
Robert Brennan  
Ralph L. Harris Jr.  
Craig F. Hofferber  
Eric Slaasted  
Pete Ybrra

Contributions can be made payable to ASHRAE Research and sent to ASHRAE Research, 1791 Tullie Circle NE, Atlanta, GA 30329.

### A BIT OF HISTORY

by Pat Lanphere,  
Chapter Historian

For those who regularly do business with McCLINTOCK & BUSTAD INC., they are not surprised with the deep technical knowledge and pleasant, helpful attitude they receive from the company's staff. This tradition for accurate information goes back more than a few weeks in our industry

Chester M. McClintock came to Los Angeles in 1953 bringing with him the Reznor line of gas heating equipment. Chester had been the Reznor representative in South Carolina before moving to Southern California. After ten years of promoting the line and building his business here, he was joined by a partner, Joe Bustad, and the company became McClintock & Bustad Co.

Customers and competitors alike knew Chester as one of the "True Gentlemen" of our industry, and the same can be said of his long time partner Joe Bustad. Chester retired in 1986 and unfortunately had little time to enjoy retirement, as he passed away in 1988. Joe has been retired since 1991 and has made time to travel and enjoys his passion for golf.

The current ownership retains the values of Joe and Chester as Tim Archer joined the company in 1987, and Jason Bustad, (Joe's son), was with the company back in 1976 before a U.S. Navy tour, and then returned in 1985. The company now has seven employees with territory responsibility of Northern and Southern California as well as Nevada. The Reznor Line still heads the product card but AIRTHERM, E.K. CAMPBELL, ENERGY SAVER, WEATHER-RITE, and WESTAIRE are also equipment represented exclusively by the company.

When Tim is not traveling his portion of the vast sales territory, he can be found working with his son restoring a "Hot Rod" Ford Mustang. His partner Jason who covers some of the warmer climates in Orange and San Diego Counties is one of ocean surfing's more "mature" participants.

The tradition of friendly, knowledgeable service, started by Chester McClintock continues at the company today.

### SOUTHERN CALIFORNIA CHAPTER PROGRAM SCHEDULE

#### January 7, 2002

Main Program: Litigation  
Avoidance

Speaker: Donald Dickerson  
Tech Forum Insurance  
Considerations

Speaker: TBD

#### February 4, 2002

Main Program Engineer/  
Contractor Confl

Speaker: Panel Discussion  
Tech Forum Spec. Writing

Speaker: TBD



**March 4, 2002**

Main Program: So. California Changes  
 Speaker: Ishtiaq Christi  
 Tech Forum: Boiler Emissions  
 Speaker: Greg Danenhower

**April 1, 2002**

Main Program: IAQ-Tech 62  
 Speaker: Vicken Arabien  
 Tech Forum: Modular Cooling Towers  
 Speaker: TBD

**May 6, 2002**

Main Program: Acoustics  
 Speaker: Mark Schaefer  
 Tech Forum: VAV Turndown  
 Speaker: TBD

**June 2002**

Installation Dinner/Dance

**Western Section Programs**

- ❖ December 10, 2002 (Santa Barbara)
- ❖ January 14, 2003 (Ventura)
- ❖ February 11, 2003 (Santa Barbara)
- ❖ March 11, 2003 (Ventura)
- ❖ April 8, 2003 (Santa Barbara)
- ❖ May 13, 2003 (Ventura)
- ❖ June 10, 2003 (Santa Barbara)

**HELP WANTED**

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

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

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## MEMBER NEWS: 2003 PASADENA TOURNAMENT OF ROSES

Anjali Agrawal, daughter of long term ASHRAE member and past president Sudhir Agrawal, is selected as the Rose Princess for the Royal Rose Court".



*Members of the Tournament of Roses Royal Court, from left, Anjali Agrawal, Heather Bell, Megan MacLennan, Alexandra Wucetich, Glynn Helene Joseph, Katherine Berber and Danielle Yamamoto pose during a ceremony Tuesday, Oct. 22, 2002, at the Tournament House in Pasadena, Calif. Wucetich, right, has been chosen Pasadena's 85th Rose Queen. (AP)*

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## Newsletter of the Southern California Chapter

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

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