

# Sol Air

Newsletter of the Southern California Chapter: American Society of Heating, Refrigerating and Air Conditioning Engineers, Inc.  
November 2002 website: [www.ashrae-socal.org](http://www.ashrae-socal.org) Vol. 48, No. 3

## NOVEMBER 5, 2002 MEETING INFO RESEARCH PROMOTION NIGHT

Les Freres TAIX

1911 Sunset Blvd., Los Angeles, California

**5:30 Tech Forum: LAC Amendments for MEP**

**Speaker: April K. Trafton, Principal  
Donald F. Dickerson Associates**

**6:05 Social Hour (Fun Time!)**

**6:45 Dinner**

\$25 with reservation

\$30 without reservation

\$10 student member

**7:45 Main Program: Code Requirements for Seismic**

**Speaker: Mr. Duffy Latham, L.A. City  
Dept. of Building and Safety**

**9:00 Meeting Ends**

Reservations: Dale Au or Brenda Montmarquet (626)  
961-9640, Fax (626) 961-9041 by Mon., Nov. 4, 2002.

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## NOVEMBER MAIN MEETING: CODE REQUIREMENTS FOR SEISMIC

*Speaker: Mr. Duffy Latham*

Mr. Duffy Latham is the Chief of Plumbing and Heating Section of the Los Angeles City Dept. of Building and Safety. He has been involved in HVAC for over 35 years as an installer, serviceman and as a contractor. In February of 1980, he went to work for the Department of Building and Safety. As an employee of the City, he has worked as an HVAC Inspector, a Sr. Inspector, HVAC Training Officer, and an Emergency Management Coordinator. He was promoted to Principal Inspector over the Plumbing/Heating Section about 2½ years ago and in January of this year he was made the Chief of the Plumbing/Heating Section. He is a member of the IAPMO Plumbing Technical Committee and the Mechanical Technical Committee. He has been an instructor for California State University Long Beach teaching Mechanical Code and HVAC classes for PHCC.

Duffy will be cover 2002 LAMC Code Changes, Fire Wrap - Grease Duct Verses Air Ducts, Adaptive Re-use Requirements and if time permits, Residential Return Air Requirements in the State Energy Code.

## ROSTER UPDATE

The Roster has been mailed out and some of you have already received it. Anyone who needs extra copies can contact Don La Mar for purchase.



## From the President's Desk

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

Hello again! Our meeting for October on variable speed pumping presented at our Tech Forum and Main Meeting were both interesting and well presented. For those who did not attend, you missed a good meeting. Our distinguished speaker, Chris Edmonson has given many technical talks at ASHRAE annual meetings. His talk this evening covered basic primary and secondary variable volume pumping systems. For variable volume systems to be efficient, the variable load needs to be greater than 25 percent of the total load. He talked about and showed good examples of chilled water and hot water piping systems. It was an honor to have him at our chapter meeting. It's not every day that a distinguished speaker will fly across county just to talk to our chapter.

This year we have a variety of programs scheduled for the year. Please refer to the *Sol\*Air* for subjects and topics. I'm sure you will find some of the topics a must attend issue. Our next meeting is November 5<sup>th</sup> at Taix Restaurant. The subject is "Code Requirements for Seismic by Duffy Latham and "L.A.C. Amendments for MEP" by April Trafton. Please plan to attend. Your support is appreciated.

Our Southern California Chapter is heavily involved in giving financial support to deserving young engineering students in the HVAC field of study. Our scholarship fund has recently taken a beating from the stock market, just as many of you have, and to that end we are hosting a golf tournament held at Ocean Trails, Palos Verdes to help rebuild the scholarship fund. Your support would be greatly appreciated.

Bye for now.

## NOVEMBER TECHNICAL MEETING: LAC AMENDMENTS FOR MEP

*Speaker: Ms. April Trafton*

Ms. April Trafton will discuss NFPA and IAPMO Relationship and its effect on code changes. She will also provide suggestions on how to properly interface with your building department.

April Trafton has been active in the design and construction industry since 1970. She is principal-in-charge of engineering production and works closely with the President, Executive Vice President and Project Engineers during project development from the early design stages through the completion of working drawings.

Ms. Trafton attended California State University of Northridge and has taken studies at the University of California at Los Angeles. She is a member of the American Society of Plumbing Engineers and serves as their Vice President in charge of legislative and code matters, she is a member of the Society of Fire Protection Engineers, American Society of Heating Refrigerating Air Conditioning Engineers (ASHRAE) and American Water Works Association (AWWA). Ms. Trafton has been appointed by the International Association of Plumbing and Mechanical Officials as a voting member of the code change committee from 1993, 1994 and 1995 and the present is a member of the City of Los Angeles Plumbing & Fire Protection Advisory Board.

Ms. Trafton's executive responsibilities include system design evaluation and control of production and scheduling of mechanical and electrical engineering projects. As Principal in charge of production, her project involvement includes studies, calculations, design, specifications, reports and cost estimates delivered on time and within budget.

Her ability to coordinate the efforts of a full engineering staff throughout project design and plan check and construction phases is due to her commitment to our clients and more than 25 years of service to the firm, industry and profession.

## ASHRAE RESEARCH PROMOTION NIGHT ON NOVEMBER 5, 2002

*By Carmen Urenda, PE*

"Oh no, not another request for my hard earned money," you might say. Well yes it is but let me tell where your money is being put to use.

ASHRAE's Research Program expends nearly \$3 million annually to uncover new information on material properties and building dynamics and to promote the application of innovative technologies in commercial usage. Results of every research project are presented at no cost to the Society's membership at ASHRAE meetings. There are currently 97 active projects in the areas of indoor air quality, energy conservation, refrigerants, fire and safety, operation and

maintenance tools and design tools, worth a combined value \$9.5 million.

ASHRAE Research Promotion is an annual fund-raising campaign conducted by the membership to raise funds for Research. Fund-raising expenses are covered by the Society's budget so 100 percent of every dollar contributed by individual members, companies and organizations goes toward research. The Research Promotion Campaign raises approximately \$1.7 million annually and is matched dollar-for-dollar by the Society from proceeds of the annual AHR Exposition.

Every year, Honor Roll investors are recognized with a collectible commemorative coin honoring individuals who have made major contributions to the industry. For fiscal year 2001-2002, ASHRAE commemorates JOHN ENGALITCHEFF JR., the award-winning pioneer in cooling system technology who founded the Baltimore Aircoil Company.

We are proud to recognize the following chapter members for their contributions to Research Promotion. Without the backing of these generous individuals and companies, achieving our ambitious research goals would not be possible. We thank everyone for their continued support and welcome those who are supporting ASHRAE Research for the first time.

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Computer generated pump curves were reviewed to demonstrate the points discussed, followed by questions and answers.

## FIRST ANNUAL SCHOLARSHIP FUND RAISING GOLF TOURNAMENT 2002

by: Ed Schmidt – Tournament Director



The Southern California Chapter held its first annual scholarship fund raising golf tournament at the beautiful Ocean Trails Golf Club located in Palos Verdes on the Ocean. Many thanks go out to the men and women at Ocean Trails for providing us with an exciting day and the best food and drinks to be found anywhere. The course proved to be one of the toughest our members have been exposed to. Needless to say many golf balls were misplaced during the round. Thanks to an awful lot of help from the Golf Committee (Bob Donat, Chad Herrick, Don LaMarr, Mike Taylor, Phil Trafton, Ron Sweet) the tournament turned out to be a huge success. The Chapter raised more than \$22,000.00 for our Scholarship Fund. As you all know this money is earmarked for College students pursuing a career in our industry. On behalf of the Committee and myself I'd like to express our thanks for all the support given to this event by those Companies and individual who helped raise funds (these Companies are listed in the *Sol\*Air*). Special thanks are due to several people for their help in organizing this event and donating prizes, Bob Donat for the Hole Sponsor signs, (they were great), John Hult for the trophies, Phil Trafton for donating a round of golf at Bremar Golf Club, a set of Taylor Made irons, et al, and Richard Rivera for a round of Golf at Friendly Hills Country Club and last but not least to Leslie Sweet (Ron's better half) for running over to the club with raffle tickets at the last minute. We look forward to seeing all of you at next year's fundraiser.

## OCTOBER TECHNICAL RECAP: PUMP SELECTION

by Bob Brennan



*Tech speaker Bob Brennan on the left and program speaker Chris Edmondson on the right.*

The Tech Forum was on pump selection, with an emphasis on the real world constraints and on those evolved by HVAC industry tradition. Among the topics reviewed were assessing the application, pump parameters, pump materials of construction, review of the pump choices, properly specifying the pump, properly reviewing equipment submittals for compliance, and related odds and ends such as the Affinity Laws.



### Golf Tournament Highlights

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### SOUTHERN CALIFORNIA CHAPTER PROGRAM SCHEDULE

#### November 5, 2002

Main Program: Code

Requirements for Seismic

Speaker: Duffy Latham

Tech Forum LAC Amendments  
for MEP

Speaker: April Trafton

#### December 17, 2002

Main Program: Joint Meeting with  
Orange Empire Chapter

#### 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**

- ❖ November 12, 2002 (Ventura)
- ❖ 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)

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

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## SOUTHERN CALIFORNIA CHAPTER DATABASE UPDATE

from Ted Hanft/Lo Ling Lozoya

A database exists with current information on each member: business, home information, e-mail address for both business and work, preferred mailing address and society information.

The information comes from a variety of places: Society, Chapter mailings, and e-mails from the members themselves.

The information is used to e-mail the *Sol\*Air* and for Chapter mailings such as the Roster that is produced once a year.

So if you change your job or move, please send your new information to the Chapter Secretary, Jody Rusling. That will ensure that the right people get your new information.

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## Newsletter of the Southern California Chapter

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

Mail Change of Address to:

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