

SOL AIR

Newsletter of the Southern California Chapter: American Society of Heating, Refrigerating and Air Conditioning Engineers, Inc.
April 2001 website: www.ashrae-socal.org Vol. 46, No.8

APRIL MEETING INFO

April 3, 2001

Les Freres TAIX
1911 Sunset Blvd., Los Angeles, California

5:30 Tech Forum: ASHRAE Handbook
Review "Bite-Size"
Speaker: Mr. Phil Trafton,
Dickerson & Associates

6:05 Social Hour (Fun Time!)

6:45 Dinner
\$23 with reservation
\$25 without reservation
\$10 student member

7:45 Main Program: HVAC Systems for
Multi-Story Commerical
Office Buildings
Speaker: Mr. Larry Sun, P.E.
Tsuchiyama & Kaino

9:00 Meeting Ends

Please place reservations to Jennifer Farr,
(310) 671-6915, Fax (310) 671-1467 by
Monday, April 2, 2001.

APRIL MAIN MEETING

HVAC Systems for Multi-Story Commerical Office Buildings

Speaker: Larry Sun, P.E.

Mr. Sun will discuss the many different HVAC systems that can be considered for Multi-Story Commercial Office Buildings. Beyond the common goal of providing a suitable indoor environment for building occupants, there are many factors that can impact system selection decisions in many different ways. These factors include energy efficiency, flexibility, maintenance, major equipment requirements and initial costs. The goal of this discussion is to present and discuss some advantages and disadvantages of these various

systems based upon previous experiences.

The discussions will begin with some basics on what engineers need to keep in mind when discussing the various aspects of these systems with Building Owners or Architects. This will be followed by descriptions, relative advantages and disadvantages, and lessons learned for the following system types:

- Water Source Heat Pumps
- Factory Furnished Rooftop Packaged VAV Units
- Custom Rooftop Packaged VAV Units
- Water-Cooled VAV Units per Floor
- Chilled Water Air Handling Units per Floor
- Central Chilled Water Air Handling Unit

Mr. Sun is currently the Vice Chairman of Region X – Student Activities and a Member TC-4.1 – Load Calculation Data and Procedures. As Principal partner with Tsuchiyama and Kaino Consulting Engineers, he managed and directed wide range of projects including industrial, commercial, institutional and recreational facilities with emphasis on energy efficiency and optimum system operation. He also directed and supervised engineering for various remodel and new construction projects. Mr. Sun is an alumnus of California Polytechnic University in San Luis Obispo.

APRIL TECHNICAL FORUM

ASHRAE Handbook Review "Bite-Size"

Speaker: Phil Trafton

Mr. Trafton will be presenting an overview of the recent changes that have been made to the Systems handbook in an attempt to make it more usable by the young design professional. The first five chapters of this handbook have been rewritten and re-formatted. In addition, there will be a look at the future of the handbook in making it electronic and fully interactive. This is a chance to come out and see where some of the ASHRAE Research funds are being spent.



President's Message

by Sudhir Agrawal

March was another great month for our Chapter. The technical session speaker was our Chapter Director Mike Gallagher who spoke on Psychometric Charts and the main program speaker was our very own Region X Director (DRC), Regional Chair and Distinguished Speaker Ken Peterson who gave detailed information on Chiller systems. Ken also informed us that the Society makes an investment on each member, of over three times the dues received. Our Regional Vice Chair- Students Activities, Larry Sun provided us the details of current regional and Society level activities. Over 75 members were present at the meeting. The alternative seating arrangement with St. Patric day theme brought a new life to the program. Thanks to Jennifer and Shawn of Burke Environment for the wonderful job and for the lovely decoration.

A slate of officers for next year was proposed by the membership. The ballots were sent out in March. I am sure you all must have returned on time.

Golf Tournament date is set for April 11th at Brookshire and Spring Seminar date is set for April 21st at DWP facility, downtown, LA. Your participation in these activities is important.

People have confirmed that they have received the Chapter Rosters. For any corrections, please contact Ralph Panting. Thanks to DWP for helping out the Chapter by publishing our newsletter Sol- Air. People have been receiving them

regularly. The website had some minor difficulties for 3 days. I have been advised that it will stay active



Sudhir Agrawal with Larry Sun



March Tech speaker Mike Gallagher with Sudhir Agrawal and Bob Brennan



March Main speaker Kent Peterson with Sudhir Agrawal

from now on. Thanks to Bob Woods, Craig Hofferber, Clay Lampman and others for timely action on this matter.

I have been advised that our scholarship investment funds have taken a dive. As you all know that students have great expectations from our Chapter. They do great work. Their work was recognized by the Society in the Poster presentation at the meeting. I am sure that you all will agree that we should keep our scholarship amounts, the same as last year (\$ 20,000) to encourage and bring students to our HVAC & R Industry. This will require little hand from various manufacturers and members. Based on current accounts situation and treasurers assessment for projected future on the performance on Golf Tournament and Spring Seminar, the Chapter should be able to manage up to \$15,000 in scholarship. I am appealing to the business organizations to contribute an additional amounts towards students scholarships.

This year Chapter Regional Conference (CRC) is at San Francisco on May 3rd, 4th and 5th. I encourage everyone to attend. Please refer to our Region X website for details. This site is also accessible through our Chapter Website.

I am sure that you all got the message on correct meeting location for Western Section meeting on 13th March. Our thanks to Ted Hanft for all the membership work and keeping track of membership count for the Chapter. Also, thanks to Cindy Callaway who keeps our Chapter PAOE point status current and reports to Society on my behalf. We encourage your suggestions for Chapter improvement to the Board members.

TITLE 24 UPDATE

by: Joe C. Ablay, P.E.

New Title 24 Building Energy Efficiency Standards have been adopted through an emergency process and will go into effect June 1, 2001. Training is available. Contact John Eash at the Commission at jeash@energy.state.ca.us to get information on training in your area. The Commission has developed Energy Conservation Manual Supplements. It outlines the new emergency standards in a concise and easy to read documents. The Supplements, as well as copies of the standards, are available at the Commission's Website: http://www.enegey.ca.gov/as970_standards/documents. You can also call the Energy Commission's at 1-800-772-330 for more information.

SCHOLARSHIP AVAILABLE

by: Clay Lampman, P.E.

This year cycle of scholarships has started. After completing an application, interviews will be scheduled with scholarships awarded at the May Chapter meeting. Applications are being sent to all area community colleges, universities, engineering professors, instructors and department chairs. This year the Chapter is looking for students that show an academic interest in heating, refrigeration and air conditioning technology with a thought of entering this field after graduating. The 2000-2001 budget is \$15,000 to \$20,000 for student scholarships.

Contract:

Ron Sweet at ron@dmgl.com or
Ishtiaq Chisti at chistiia@sce.com, or
Mary Johnson at
mary.johnson@sbt.siemens.com or
Clay Lampman at
cala_eng@earthlink.net
for information.



Life Member awardee Clay Lampman

PRE-ANNOUNCEMENT SIXTH ANNUAL SEMINAR FORENSIC ENGINEERING TECHNICAL GROUP

MAY 11, 2001

UNIVERSITY OF
CALIFORNIA, IRVINE

“ESTABLISHING A SUCCESSFUL FORENSIC ENGINEERING PRACTICE”

This year's seminar will feature guest speakers on the following topics:

Advocacy v. Bias in Experts
Professional Ethics
Junk Science
Legal Research
Marketing of Expert Services
Documentation and Filing

Please mark this date on your calendars, and look for more information and registration forms in the next few months. For inquiries and to pre-register, contact Donna Fitzlaff of Mackintosh & Mackintosh, Inc. Consulting Structural Engineers.

Phone: (323) 662-1184
Fax: (323) 662-7541
e-mail: donna@mackintosh-mackintosh.com

2001 Spring Seminar

THE 2001 SPRING SEMINAR IS SET FOR APRIL 21ST

This year's seminar will be an Applied Psychrometrics and Airside Review. This will be a skills-sharpening seminar for those who regularly use psychrometrics (or should) in their career. The event will include working out a lot of actual psychrometrics problems, as well as an initial psychrometrics review. The last part of the session will consist of a discussion of field measurements that real service technicians can give you, and some practical example problems for taking common airside readings and determining actual system performance. You will need to bring pencils with erasers, a notepad, and a calculator.

This all day session will include coffee and lunch. The fee will also include the materials that you will receive.

PRICE: \$125

DATE: SATURDAY, APRIL 21, 2001

TIME: 8:00AM SIGN-IN; DONE & GOING HOME BY 5:00PM

**LOCATION: PRESENTLY SCHEDULED FOR:
DWP, 111 N. HOPE STREET, LOS ANGELES, CA 90012**

We will have to limit attendance to 100 due to facility size. We had over 120 people for this same seminar in 1992, so **HURRY AND GET YOUR SIGN UP** FORM SENT IN WITH THE MONEY!! SPACE IS LIMITED: FIRST COME, FIRST **SERVED**. If we can get a larger facility, we will do so and advise you, but that is not a sure thing at this point, so send in your form and money if you want a seat!

SoCal ASHRAE 2001 Spring Seminar

Name: _____

Company: _____

Phone No.: _____

Fax No.: _____

E-mail address: _____

**Please send the application & check to:
S&K Engineers
Attn: Chad Herrick
421 E. Huntington Drive, Monrovia, CA 91016**

Southern California Chapter 2001 Spring Golf Tournament



Wednesday, April 11, 2001

Brookside Golf Club, Course #2, Pasadena

11:00 a.m. Sign in

12:30 p.m. Shotgun start

Banquet & dinner to follow

Limited to 144 golfers

Fee: \$120 per player

Fee: \$120 per player

Dinner only: \$40 per person

Format: 4 Man/Women Scramble

Awards: Golf awards, door prizes and raffle prizes

Donations: Company golf gifts are encouraged

Name	Company	Phone	S.C.G.A. Handicap
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____

Group Contact Name: _____

Phone: _____

Corporate Hole Sponsor @\$125 \$ _____

Totals: \$ _____

Golf Chairperson: Edward H. Schmidt
(818) 734-1600 / Fax: (818) 734-1420

Please make checks payable to: Southern California ASHRAE

Mail to: CommAir Preferred Mechanical Services
c/o Ed Schmidt

18135 Napa Street, Northridge, CA 91325



February Main speaker Avi Baidya with Bob Brennan

MAY 8, 2001

Location: Mariann's Italian Villa
800 S. Broadway
Santa Maria
Topic: To be announced.

JUNE 12, 2001

Location: Josie's Four Winds
3425 State Street
Santa Barbara
Speaker: Ken Radtkey
Blackbird Architects
Topic: Green Buildings
Dinner Reservations:
Hugh McTernan,
(805) 957-4932/Fax (805) 653-7260


HELP WANTED

Anybody wishing to place an ad in this column for an engineering or other position please submit your request to:
JOE C. ABLAY, P.E.
10775 Business Center Dr.
Cypress, CA 90630
(714) 816-1434/(714) 826-9592 fax

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

Others who are seeking employment may place an ad at no charge.

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2000-2001 SOUTHERN CALIFORNIA CHAPTER PROGRAMS

MAY 1, 2001

Location: Les Freres TAIX
Tech: Field Capacity Measure & Applications
Speaker: TBD
Main: Efficiency 2001
Speaker: Mr. Charles O'Connor, Dept. of Water & Power

JUNE, 2001: INSTALLATION DINNER/DANCE

Location: To be announced.

WESTERN SECTION PROGRAMS

APRIL 10, 2001

Location: Barefoot Bistro
545 Thompson Blvd.
Ventura
Speaker: Steve Alschuler
Air Treatment Corp.
Topic: ASHRAE 62-99 IAQ Code and Air Flow Measurement Products

Phillip M. Trafton, C.I.P.E.
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From the Editor's Desk

by Joe Ablay

Due to technical problems the March 2001 *Sol*Air* issue was mailed to members the day after the monthly meeting. Members are advised to review the previous issues for the monthly meeting schedules and activities.

For members that has access to personal computer with internet capabilities, please visit our website: www.ashrae-socal.org.

And look for our *Sol*Air* monthly section.



OPINIONS NEEDED

Due to financial reasons the Southern California Chapter is considering e-mailing the newsletter for the 2001-2002 year and posting it on our website. Please send me your opinion regarding this by e-mail or fax.

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