



### NOVEMBER 3, 2003 MEETING INFO

Les Freres TAIX

1911 Sunset Blvd., Los Angeles, California

**5:30 Technical Forum: Expansion / Tank Selection**

**Mr. Mike Taylor, Dawson Co.**

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

**6:45 Dinner**

\$25 with reservation

\$30 without reservation

\$10 student member

**7:45 Main Program: State Building**

**Speaker: Chief Jimmy Hill, City Of L.A.F.D.**

**9:00 Meeting Ends**

Reservations: Dale Au or Brenda Montmarquet (626) 961-9640, Fax (626) 961-9041 by Mon., Nov. 2, 2003.

Jimmy H. Hill began his career with the Los Angeles City Fire Department on July 22, 1973. His 30-year tenure has included the positions in Fire Prevention as the Commander of the Bureau Fire Prevention and Public Safety; Commander of the Industrial and Commercial Section; and Commander of Public Safety (Schools and Churches Unit); and the Plan Check Unit.

Chief Hill is a member of the National Fire Protection Association (NFPA), International Fire Marshals Association of North America (IMANA), and the Fire Prevention Officers Association.

Chief Hill has held a variety of Special Duty assignments; most notable is that of Fire Marshal for the City of Los Angeles. As Fire Marshal, Chief Hill approves and supervises Code enforcement and oversees major new construction projects in the City of Los Angeles; such as, the Convention Center, Central Library, and MTA.

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### **NOVEMBER MAIN MEETING:**

*Speaker: Chief Jimmy Hill*

Chief Jimmy Hill will be speaking on risks associated with terrorist attacks on buildings

### **NOVEMBER TECH FORUM**

*Speaker: Mr. Mike Taylor*

Mr. Mike Taylor is the President of Dawson Company, a manufacturers' rep firm serving Southern California and Southern Nevada. He has been in the industry for 18 years. Mike is a graduate of UC San Diego, and is a full member of ASHRAE.

Tonight's topic is the sizing and selection of expansion tanks for thermal expansion in HVAC systems."



Robert H. Woods, President,  
Southern California Chapter, ASHRAE

## From the President's Desk

Last month's meeting was really special. We took that meeting to recognize and eulogize our dear friend, Ed Schmidt. Achievement and Recognition Awards were presented to Ed's wife, Linda and her two daughters. It was great to have them at ASHRAE. Phil Trafton gave a heart-felt acknowledgement of Ed's many contributions to our chapter. The Edward Schmidt Scholarship Golf Tournament has been created in Ed's honor and will commence in the fall of 2004. Ed is truly missed by all of us.

David Lubman presented a most interesting assessment of Classroom Acoustics and the profound impact that a failure to consider it can have on the effective communication of information and learning in general. Larry Felker elucidated on the substantial impact that intelligent use of isolation dampers can have on mitigating radiological, chemical, and biological penetration into a building. For those of you that missed October's meeting, you missed a good one.

Or next meeting is November 4<sup>th</sup>. Chief Hill of the City of Los Angeles will be speaking about state building for the Main Program. Mike Taylor, President of Dawson Co., will be speaking on expansion sizing and considerations in the tech forum. Don't miss it.

## ASHRAE RESEARCH DONOR RECOGNITION NIGHT

By Carmen Urenda, PE

November 4<sup>th</sup> has been designated as ASHRAE Research Donor Recognition Night. Honor Roll investors who donated a minimum of \$100 (or companies that donated a minimum of \$150) to ASHRAE Research in 2002-2003 will be recognized

with a traditional commemorative coin honoring an individual who has made major contributions to our industry. The commemorative coin for 2002-2003 features MILTON W. GARLAND who helped develop some of the first successful large-scale machinery for making dry ice in America. He also developed cold storage facilities for keeping food fresh and making it easier to transport and during World War II, he designed equipment that enable the U.S. government to manufacture synthetic rubber after the Asian supply was cut off.

We are proud to recognize the following honor roll investors for their contributions to Research Promotion. We also thank anyone not listed below who made contributions of any amount for Research Promotion. Without the backing of all these generous individuals and companies, achieving our research goals would not be possible. Contributions can be made directly to ASHRAE Research at 1791 Tullie Circle NE, Atlanta, GA 30329.

### Antique Coin

Edward H. Gray	Jan M. Faiola
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Elbert E. Kelly	Jerry Conklin
Charles K. Richter	Apex Engineering, Inc.
Edward Saltzberg	California Energy Designs, Inc
Tseng Yao Sun	Louis G. Horsefield & Associates
Gary W. Price	PCI Industries Inc.
Cynthia A. Callaway	Weil Aquatronics

## WORKSHOP: DESIGN STRATEGIES FOR LOW-ENERGY, SUSTAINABLE, SECURE BUILDINGS

This two-day workshop will teach federal building managers, and their contract architects and engineers, the integrated “whole-building design” approach, which makes it possible to “design out” inefficiencies at the early stages of building planning. This approach combines energy efficiency, renewable energy, durable materials, and high-performance equipment, while emphasizing cost effectiveness. Course participants will learn the latest strategies and tools for creating buildings that are energy- and resource-efficient, safe, secure, healthy, productive, cost effective, and sustainable—and completed on schedule.

Federal buildings provide a unique design challenge with the need of incorporating security, sustainability, and safety requirements. How buildings use energy plays a critical role in integrating these three complex needs. In today's world it is imperative that designers consider issues of building durability and security in concert with sustainability, green power, and renewable energy technologies and distributed generation by embracing an integrated "whole building" approach to design.

With these principles in mind, the Sustainable Buildings Industry Council (SBIC), in partnership with the U.S. Department of Energy's Federal Energy Management Program (FEMP) and through the generous sponsorship of Southern California Edison, is pleased to invite you to participate in an exciting two-day workshop, Design Strategies for Low-Energy, Sustainable, Secure Buildings. This timely workshop will be held in Irwindale, California on December 10 and 11 at the Southern California Edison Customer Technology Application Center. Please note that the registration deadline is December 7.

At this workshop, designed for both federal managers and private sector architects and engineers, our expert instructors will address such issues as:

- ❖ The Integrated Design Process
- ❖ Achieving Security and Sustainability in the Federal Building Stock
- ❖ Site Issues and Solar Geometry
- ❖ Insulation / Glazing / Shading

- ❖ Daylighting and Lighting
- ❖ Passive Solar Heating / Thermal Mass / Photovoltaics / Zero Energy Buildings
- ❖ Heating, Ventilation, and Air Conditioning (HVAC) and Commissioning
- ❖ Indoor Environmental Quality / Acoustics / Glare / Comfort
- ❖ Water Conservation
- ❖ Building Design and Analysis Tools and Resources

The mission of the FEMP program is to equip federal managers with knowledge about energy efficiency and water conservation, the use of distributed and renewable energy, and the improvement of utility management decisions at federal sites. The topics covered in this course apply to new building design for most Federal building types: office buildings, border stations, residences/barracks, visitor centers, courthouses, warehouses, and libraries.

Private sector building professionals will also find the information applicable to the design and construction of residential and commercial buildings.

For more information about SBIC and the FEMP Program please visit our websites ([www.SBICouncil.org](http://www.SBICouncil.org) <<http://www.sbicouncil.org/>> and [www.eere.energy.gov/femp/](http://www.eere.energy.gov/femp/) <<http://www.eere.energy.gov/femp/>>). To register for the course online please visit [fempcentral.com/workshops/registration.ws](http://fempcentral.com/workshops/registration.ws) <<http://fempcentral.com/workshops/registration.ws>>. If you have any questions, please contact Sophia Greenbaum at 202-628-7400 extension 209 or [sgreenbaum@sbicouncil.org](mailto:sgreenbaum@sbicouncil.org) <<mailto:sgreenbaum@sbicouncil.org>>.

AIA members who attend the full two days will be eligible to earn 13 Learning Units for Health, Safety, and Welfare. If you are a C.E.M. professional, this course can be applied to maintaining your certification.

## **SOUTHERN CALIFORNIA CHAPTER PROGRAM SCHEDULE**

### **November 4, 2003**

Tech Program: Expansion /  
Tank Selection  
Speaker: Mr. Mike Taylor  
Main Program: State Bldg  
Speaker: Chief Hill,  
City Of L.A.F.D.

### **December 9, 2003: Joint Meeting**

Main Program: Fire/Life/Safety  
Speaker: Mr. Mike Dillon

### **January 6, 2004**

Tech Program: Clean Room  
Filtration  
Speaker: Mr. D. Benson  
Main Program: Clean Room  
Contracting  
Speaker: Mr. Kent Peterson

### **February 3, 2004**

Tech Program: Hex Selection  
Speaker: Mr. Frank Dunn  
Main Program: Plan and Spec vs.  
Design and Build  
Speakers: Mr. Larry Sun &  
Mr. Pete Narbonne

### **March 2, 2004**

Tech Program: Demand Control  
Ventilation  
Speaker: Mr. Lonnie Lee  
Main Program: Usghc/  
Leed Affects  
Speaker: Mr. Tom  
Lunneberg

### **April 6, 2004**

Tech Program: Steam  
Considerations  
Speaker: Mr. R.F.  
MacDonald  
Main Program: Hospital Design  
Speaker: Chief Engineers of  
Arup & Syska

### **May 4, 2004**

Tech Program: Primary  
Secondary Pumping  
Speaker: Mr. Terry Motes  
Main Program: Sustainable  
S&H Design  
Speaker: Mr. Rob Bolins

### **June 12, 2004**

Installation Dinner/Dance

### **Western Section Programs**

- ❖ November 11, 2003: Harry's  
Location: 3313 State St., Santa  
Barbara, CA 93105
- ❖ December 9, 2003: Sportsman  
Location: 53 S. California St.,  
Ventura, CA 93001
- ❖ January 13, 2004: Harry's  
Location: 3313 State St., Santa  
Barbara, CA 93105
- ❖ February 10, 2004: Sportsman  
Location: 53 S. California St.,  
Ventura, CA 93001
- ❖ March 9, 2004: Harry's  
Location: 3313 State St., Santa  
Barbara, CA 93105
- ❖ April 13, 2004: Sportsman  
Location: 53 S. California St.,  
Ventura, CA 93001
- ❖ May 11, 2004: Harry's  
Location: 3313 State St., Santa  
Barbara, CA 93105
- ❖ June 8, 2004 (Open)

### **HELP WANTED**

Anybody wishing to place an  
ad in this column for an  
engineering or other position,  
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Please make a donation of \$50  
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