

FOG DISPENSER

Golden Gate Chapter



ASHRAE

VOLUME XXXVIII - NUMBER 4

JANUARY 2000

**January 6, 2000
Noon Meeting
World Trade Club**

Green Building Research at NIST

Location: World Trade Club
World Trade Center, #300
(in the Ferry Building)
San Francisco

Dr. James Hill of the National Institute of Standards and Technology will be here to tell us about the continuing research into energy conservation. For over seven decades, NIST and its predecessor organization, The National Bureau of Standards, has done research in energy conservation of buildings. In 1993, the NIST formerly created a "Green Building Research Program" to assist the industry in addressing concerns with indoor air quality, ozone depletion and global warming. The talk will describe the laboratory facilities at NIST, the major research projects that are currently underway and recent results.

Date: Thursday, January 6th, 2000

Time: 11:30pm Registration
12:00pm Lunch
12:30pm Program
2:00pm Meeting Adjournment
(Hopefully)

Dr. James Hill currently serves as Chief of the Building Environment Division. Before joining NIST, 26 years ago as a research engineer, he was Assistant Professor of Mechanical Engineering at the University of Maryland in College Park, Maryland. Dr. Hill received his BS in mechanical engineering from Virginia Polytechnic Institute and State University and his MS and Ph.D degrees in mechanical engineering from Georgia Institute of Technology. He directs a staff of 50 scientists and engineers in a variety of building research topics of interest to the heating, cooling and air conditioning profession. These include the search for environmentally-friendly refrigerants, the development of standard communication protocols for building controls, measurement services to the thermal insulation industry and the development of simulation tools and measurement techniques for indoor air quality.

Cost: \$35.00 Members and Guests

All reservations must be received by Edgar De Guzman at edeguzman@accoair.com or fax to 650/594-4915, by Thursday, December 30th.

If you need to cancel, please do so by Tuesday, January 4th

Valet parking is available on the north side of the Ferry Building.

Dr. Hill has been active in ASHRAE for his entire professional career and served as Society President in 1996-97.



Where Were You?

"Time is but the stream I go
a-fishing in" – Henry
David Thoreau
December 31, 1999 what a
difference a day makes. As
you read this column, I will

be in Australia with my family enjoying the holiday season and yes, the BIG DAY. For us there will be no fireworks, we plan to mark the change in a nature preserve on Kangaroo Island, off the coast of Adelaide, cavorting with fairy penguins and rock wallabies. We know our daughter will remember this particular passage of time and want to make sure that she's in a place well worth remembering. As I ponder the millennium madness, I wonder what distinguishes a particular day. The passage of time is marked for each of us by certain experiences and memorable occasions. My own life has been metered by many including the birth of my daughter, the day of my marriage and the day I swam with a whale shark: each of these events take the otherwise lifeless calendar and fill it with meaning. Take your favorite holiday, from Kwanzaa to Ramadan, the thing that imbues these days with magic are the memories of celebrations past and the dreams of

the ones yet to come. Or to twist an old adage, holidays don't thrill people, people do.

Time passes quickly, and although I look forward to a memorable New Years I am in no rush to get there. I hope to savor the passage of time (and this long needed break from work). My daughter is already six and I have passed forty. Each day has its own reason to celebrate.

I will long remember this year, in part for the "Millennium" and our trip, but also in part from the pleasure that I get in my role as president of this chapter. I am sorry that I'll miss the January meeting and the presentation by Jim Hill, but on the other hand I might see another whale shark while floundering in the waters of Australia.

Whatever floats your boat I wish you a happy and memorable holiday and look forward to rejoining you in February. And for those of you who are short on resolutions here are a few suggestions:

- Volunteer a few hours to the Chapter.
- Give a few dollars to Research.
- Bring a friend to an ASHRAE Chapter Meeting.
- And don't forget to enjoy the passage of time.

*Respectfully submitted,
Mark Hydeman, President
Golden Gate Chapter of ASHRAE*

RESEARCH PROMOTION – JANUARY 2000

Now that we know our bank accounts survived Y2K, consider giving back to our industry through a contribution to ASHRAE Research. Take that cash from under the mattress and make an Honor Roll Contribution!

The minimum investment level for personal Research Honor Roll is \$100 and \$150 for a corporate contribution. Thank you to our Chapter's new Honor Roll contributors:

INDIVIDUAL:

Eric Slaasted

David Rogers

Dart Rinefort

Jack Palmer

CORPORATE:

Richard A. Charles Consulting Engineer

Checks to ASHRAE Research should be mailed to:

Cory Palmer
c/o Norman Wright Mechanical Equipment Company
99A South Hill Drive
Brisbane, CA 94005
415.467.7600 phone / 415.467.0900 fax

If you would prefer to charge your donation to a credit card, see Cory Palmer at the next meeting.

1999/2000 Committee Chairs

How do you turn a 20 hour task into a 10 hour task? Simple, you split the load between volunteers. These committees serve you the members, and we need your help to do the work. Contact a committee chair and offer your services or contact a Board member to fill a vacancy.

Title	Name	Company	Phone	Email
Region X DRC	Kent Peterson	P2S Engineering, Inc.	562-497-2999	kwp@p2seng.com
President	Mark Hydeman	Taylor Engineering	510-749-9135	mhydeman@taylor-engineering.com
President-Elect/CRC Delegate/Chapter Programs	Benjamin Sun	Flack & Kurtz	415-398-3833	bpsun@sf.fk.com
Treasurer	Joseph Olivier	ESS Engineering	415-296-9760	jro@essinc.com
Secretary/CRC Alternate	Kent Lim	Kent Man Lim & Company	415-822-1232	
Board of Governors/PAOE Chair	Ernie French	Norman Wright Equipment Corp	415-467-7600	efrench@norman-wright.com
Board of Governors	Edgardo De Guzman	Acco Inc	650-594-0182	edeguzman@accoair.com
Board of Governors/Roster Committee Chair	Robert Levi	Carrier Corporation	510-563-5713	robert.f.levi@carrier.utc.com
Membership Promotion Committee Chair	Ronald Eng	Carrier Corp	510-563-5701	ronald.eng@carrier.utc.com
Student Activities Committee Chair	Robin James	Belimo Aircontrols	707-745-5998	rjames@belimo.com
Historian	L L Gifford	PCL Construction Services Inc	213-747-0734	
Refrigeration Committee Chair	Glenn Friedman	Taylor Engineering	510-749-9135	gfriedman@taylor-engineering.com
Research Promotion/ Honor Roll/ Product Show	Cory Palmer	Norman Wright Equipment Corp	415-467-7600	cpalmer@norman-wright.com
Technical, Energy & Government Activities Committee Chair	Gary Margadant		707-257-3351	gasm@napanet.net
Newsletter Editor	Debra Marshall	Paco Pumps	510-639-3200	dmarshall@flow-products.com
Honors and Awards Chair	Gail Brager	University of California	510-642-1696	gbrager@socrates.berkeley.edu
Website Chair	Robert Marcial	University of California CEDR	510-849-9057	rmarcial@uclink4.berkeley.edu
Database Chair	Allan Daly	Ove Arup & Partners California	415-957-9445	allan.daly@arup.com

Codes Committee Chair	Dick Glumac	Glumac & Associates	415-421-1164	
Attendance Committee Chair	Richard Charles	C & B Consulting Engineers	415-442-0110	rac@cbengineers.com
Auditing Committee Chair	TBD Vacant			
Tennis Committee Chair	TBD Vacant			
BAEC Committee Chair	Thomas Reinarts	Keller & Gannon	415-621-1199	tom.reinarts@keller-gannon.com
Golf Committee Chair	Charlene Sturm	Air Treatment Corp.	510-655-3990	
Marbles Game Committee Chair	Leslie Hanohano	Norman Wright Equipment Corp	415-467-7600	lhanohano@norman-wright.com
Publicity Committee Chair	Mike Scofield	Conservation Mechanical Systems	707-829-2080	cmscofield@aol.com
Reception Committee Chair (Membership Vice Chair)	Jeff Dittman	Glumac International	415-398-7667	j.dittman@glumac-sf.com
Redwood Empire Section President	Patrick Bailey	Geopraxis Inc	707-996-9408	pbailey@geopraxis.com
Seminar Committee Chair	Luek Vaneveld	Taylor Engineering	510-749-9135	lvaneveld@taylor_engineering.com
Weather Data Committee	Nenad Saric	ATI Engineering Services	925-648-8800	nsaric@atiengineering.com
Golf Co-Chair (next year's chair)	Robert Polizzi	California Hydronics Corp	510-293-1993	bpolizzi@calhydro.com

Have you moved?

Members, please help us keep track of you. If you have recently changed your address, phone, fax or email, please make sure that Society's database is up to date. Call 1-800-5-ASHRAE or change information on Society's website at <http://www.ashrae.org/>. If you want to make changes on-line follow these steps:

- 1) Click on "Membership Records" under the "Members-Only Section" (note you will need your membership # and pin which are on your membership card).
- 2) Click on "Address Change"
- 3) Enter your Name, Membership#, EMail Address and any changed contact information
- 4) Click on submit

We will no longer make changes in the chapter database, directly, only through the information we receive from Society. The Fog Dispenser mailings depend on these address changes made in Society, please make sure you make appropriate changes using one of the methods above.

**Joint Meeting with the GGC Chapter and the San Jose Chapter of ASHRAE
December 2, 1999 – San Mateo Marriott**

Attendees: Golden Gate Chapter – 78 Members
San Jose Chapter – 29 Members

Guests: Ken Sinclair (Speaker)
Kent Peterson, Region X, DRC

Self introduction started at 6:45 pm.

San Jose Chapter announced an upcoming event: Indoor and Air Quality Seminar in January, 2000.

Dinner started at 6:55 pm.

Golden Gate Chapter, Mark Hydeman, introduced Kent Peterson from Region X. Kent explained the purpose and mission of the Society, which is to provide technical guidelines and standards for the industry. He further emphasized that volunteering is very important and everyone should pitch in their time to get involved in any of the committees.

Bob Levi received the Top – Five Certificate and Gold Buster Award from Kent for contributions in 1999 for the Golden Gate Chapter. Cory Palmer also received the Research/Promotion and Gold Buster Award for contributions in 1999 for the San Jose Chapter from Kent. We have Cory working for the Golden Gate Chapter in this capacity this year! Kent Peterson mentioned that the newsletter can be downloaded from the website and encouraged everyone to use email to communicate with each other.

President Mark Hydeman honored Bob Levi for his work as the Research/Promotion Chair for the year 1998/1999. Mark asked for help with finding someone to take over the Newsletter Editor position.

Announcements:

Ben Sun announced the upcoming event in January on Green Building research and asked everyone to come.

Ron Sherrill won the meal voucher sweepstakes trip to Las Vegas. Congratulations Ron!!

Other Business:

M/S/C to approve the minutes of November 4th and November 10th meetings with corrections. Duct sealing is perfect for light commercial and residential.

Membership Chair, Ron Eng, asked people who are interested in joining ASHRAE to please come by and see him.

Roster – Bob Levi went over the association's non-advertisement policy and announced that the prime locations for roster non-ads for full page front inside, back inside and back will be auctioned off and the funds given to Research.

Ben Sun introduced Ken Sinclair, guest speaker.

*Respectfully Submitted,
Kent M. Lim, Secretary*



California Society of Professional Engineers Golden Gate Chapter
Presents:

Professional Liability Insurance: Learn how to protect yourself and your practice

SPEAKER: Michel Caurant from Dealey, Renton, and Associates (DRA)

At DRA, Michel is a Vice President, Marketing Manager and Account Executive in the Architects / Engineers Department. Michel Jean-Yves Caurant has been an insurance professional for 24 years. He graduated with a B.A. degree from Eisenhower College in New York, and initiated his career path in Professional Liability as an underwriter at Design Professionals Insurance Company. Project specific insurance is an area of special interest. In the past ten years he has placed coverage for major infrastructure projects in the US and in Southeast Asia. Specific project coverage has been placed for remediation sites, medical facilities, significant office structures and multi-use facilities in the Bay Area.

Michel's membership in professional associations keeps him in touch with topics of interest to his clients. He is an Affiliate Member of the Structural Engineers Association of Northern California and a Professional Affiliate of the American Institute of Architects, San Francisco Chapter.

ASK YOURSELF:

How much does professional liability insurance cost?

What is the best way to protect oneself from third party liability?

How much professional liability insurance do I really need?

What is an "owner-drafted indemnity clause"?

How does liability protection apply to "due diligence surveys"?

What are performance-based codes and how do they affect the engineer?

WHEN: *Tuesday, January 25, 2000*

6:00 p.m. - 6:30 p.m. "no-host" cocktails; 6:30 dinner; 7:30 presentation

WHERE: Delancey Restaurant, 600 Embarcadero, San Francisco (415) 512-5152

COST: CSPE Members: \$28; NON-CSPE Members: \$30 Students: \$25

You have a choice of the following main entrees:

Choice 1) Rotisserie Rosemary Garlic Chicken with vegetables; or

Choice 2) Pot Roast with potatoes and assorted vegetables.

Appetizer, salad, main entree, dessert and coffee/tea, tax and tip are included with the cost.

Make checks out to **GGC - California Society of Professional Engineers.** Mail check to:

Victor Keyak
2755 34th Avenue
San Francisco, CA 94116

CONTACTS: Paul Cruel at (510) 741-6134 Vic Keyak at (415) 564-8692

NOTE: Attendance is limited to 24 people! Reservations will be on a first come first serve basis. Please have mailed checks postmarked no later than January 14, 2000 and indicate choice of main entree on your check! Finally, please leave your phone number on the check just in case we need to call you.



Delancey Restaurant
600 Embarcadero
San Francisco, CA 94107-2121
(415) 512-5152

From BART:

Exit Embarcadero Station

Take MUNI underground (cost is a \$1.00) and board the N-Judah INBOUND train. Exit at Brannon Street.

From the East Bay:

Take the I-80 WEST exit towards SAN FRANCISCO.

Take the HARRISON ST exit on left towards EMBARCADERO.

Turn RIGHT onto HARRISON ST.

Turn RIGHT onto MAIN ST.

Turn LEFT onto BRYANT ST.

Turn RIGHT onto THE EMBARCADERO.

From South San Francisco,

Take US-101 N.

Take the I-80 exit towards BAY BRIDGE/OAKLAND

Take the FOURTH ST exit towards EMBARCADERO.

Merge onto BRYANT ST.

Turn RIGHT onto THE EMBARCADERO.

ROSTER

The Golden Gate Chapter's Roster is scheduled for publication at the end of January. You may include your company "non-advertisement" for the following charges.

Full-Page	\$150
Half-Page	\$100
Business Card (3 per page)	\$ 75

The prime locations for your full-page ad will be auctioned. The following locations will go to the corresponding bidder:

Back Cover	Highest Bidder
Inside Back Cover	Second Highest Bidder
Inside Back Page	Third Highest Bidder

The way that the auction will work is that the bids must be submitted in writing (fax or e-mail) to Bob Levi no later than the January meeting (January 6th). Upon winning the prime locations, the bidders will write two checks, one for \$150 for the full-page ad charge, and the other for the remainder of their bid to ASHRAE Research. This way the contributing company will receive the recognition for their additional Research contribution.

**As always, the artwork must be camera ready or in an electronic format.
Artwork must be received no later than Friday, January 7th.**

At the same time as you place an ad in the Roster, why not consider placing the same ad and a listing on the Golden Gate Chapter web site? For all advertisers in the Roster, there is only a \$30 charge to provide your ad and listing on our web site, as long as the artwork is in electronic format. Future changes to the website ad or listing will be available at any time for only a \$10 charge with your new electronic file.

Do not forget to make sure that your database information is correct. If your listing in last year's Roster was incorrect or incomplete you must update the information with Society. Please contact them by phone (1-800-5ASHRAE) or through the Members-Only section of the website (www.ashrae.org). Society's database information will be used for the Roster, so it's up to you to be sure that it is correct.

If you are just updating your information now, it is possible that Society may not get it updated in the database in time for the Roster publication. So you are welcome to also send the new data (in writing, via fax or e-mail) to Bob Levi. The Roster and Database Committees will make an attempt to manually correct the data – no guarantees!

Please send your bids, artwork and updates to:
Bob Levi c/o Carrier Corporation
10810 Bigge Street
San Leandro, CA 94577-1100
phone: 510.563.5713
fax: 510.563.5733
e-mail: robert.f.levi@carrier.utc.com

Another Look for Our Cubicle Special Achievements



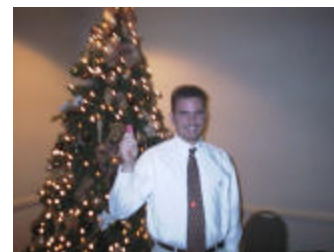
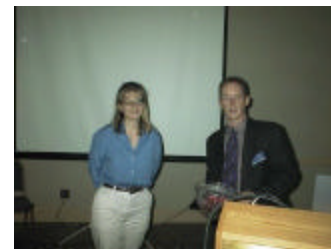
Bob Levi, Research Award 98/99 GGC



Cory Palmer, Research Award 98/99, SJC



Marble Game Winners!!



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ENERGY AND PERSISTENCE CONQUER ALL THINGS.

Benjamin Franklin
Benjamin Franklin

BE ABSOLUTELY DETERMINED TO ENJOY WHAT YOU DO.

Gerry Sikorski

WISHING YOU HEALTH, HAPPINESS, AND SUCCESS AS WE ENTER THE NEW MILLENNIUM