

# FOG DISPENSER

Golden Gate Chapter



ASHRAE

**VOLUME XXXVIII - NUMBER 7**

**APRIL, 2000**

**Thursday, April 6, 2000**

## Product Show Events

**Speaker:** Exhibitors

**Location:** PG&E Energy Center  
851 Howard St (between 4<sup>th</sup> and  
5<sup>th</sup>)  
San Francisco, CA

**Time:** 4:30 p.m. Open for exhibitor setup  
4:30-6:30 Table top displays/social  
hour (bar opens at 5:00 p.m. Your first  
drink is compliments of the exhibitors)  
6:30 Dinner  
7:30 Meeting  
9:00 Adjournment

**Cost:** \$35.00 Members and Guests with reservations  
**\$37.00 Members and Guest without  
reservations.**

All reservations must be received by Edgar De  
Guzman at [edeguzman@accoair.com](mailto:edeguzman@accoair.com) or fax to  
650/594-4915, by Monday, April 3<sup>rd</sup>.

If you need to cancel, please do so by Tuesday,  
April 4<sup>th</sup>.

### Annual Product and Service Show (with the American Society of Plumbing Engineers)

**Speakers:** Each exhibitor will each make a  
30-second presentation. The  
topic of each presentation will be  
“When you use this product,  
service, or company, whatever  
you do, make sure you do (or do  
not) \_\_\_\_\_.” The  
topics can be humorous and/or  
informative. For example, if you  
represented an automobile  
manufacturer, you might say  
“When you are driving down the  
road and want to pass someone,  
don’t shift into “P.”

**Door Prizes:** Everyone who pre-registers for  
dinner is eligible for raffle prizes.  
Last year we gave away over  
\$500 in gift certificates!

**Info:** Contact Cory Palmer by phone  
(415.467.7600 X 111) or e-mail  
([cpalmer@norman-wright.com](mailto:cpalmer@norman-wright.com))



## GGC President's Message April 2000

"All animals are equal, but some animals are more equal than others."  
[George Orwell: Animal Farm]

Last week, our firm had its first employee training in diversity and sexual harassment. As we reviewed the material I was struck by two thoughts: 1) how sad a statement it is that we have to revert to legal means to teach basic civility and 2) how much we all need this training.

Perhaps I am just biased as I consider the future for my daughter, but I am saddened by the recent political drives to end affirmative action and other equal access programs. I am also proud San Francisco and her voting record on a broad range of Civil rights issues. In elections, San Francisco stands out as a raft of tolerance in the vast unfriendly sea of California. The "majority" appears complacent with the Status Quo; the problem is that equal access on paper is not equal access in practice. As I look at our Chapter I am pleased to see the diversity in our Board and in our committee chairs, but sad to see how poorly our general membership (and profession) represent the ethnic and gender diversity of our culture. There are far too few women, Hispanics, and African Americans in our ranks to name but a few. This observation leads me to wonder if the problem outside or inside of us.

Barbara Dilts in her tenure on our Board successfully mounted a campaign to erase gender bias in the language of ASHRAE Society's Bylaws and other official documents. Some thought her efforts were an annoyance or at best an amusing sideline, and therein lies a part of the problem, it is hard to see or be motivated to change that which you don't directly experience. I am inspired by Barbara's success but her work is far from finished.

We as a society have come a long way from the public confrontations of the Civil Rights movement, covert actions of race or gender bias are illegal and on the fringe, however real but invisible walls remain. To lower these, we must struggle hard to see them. That requires empathy, patience and the strength to judge ourselves. In the words of Walt Kelly, the creator of Pogo, "We have met the enemy and he is us." If you have any thoughts about how we as a Chapter can be more inclusive, your Board is interested in your input.

***Respectfully submitted,  
Mark Hydeman, Chapter President.***

## 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.

rev. 2/00

<b>Title</b>	<b>Name</b>	<b>Company</b>	<b>Phone</b>	<b>Email</b>
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	Syserco	510-498-1171	jolivier@syserco.com
Secretary/CRC Alternate	Joseph Olivier	Syserco	510-498-1171	jolivier@syserco.com
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	<a href="mailto:rjames@belimo.com">rjames@belimo.com</a>
Historian	Roy Gifford	PCL Construction Services Inc	650-935-2061	
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	Consulting Engineer		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	<a href="mailto:allan.daly@arup.com">allan.daly@arup.com</a>
Codes Committee Chair	Dick Glumac	Glumac & Associates	415-398-7667	<a href="mailto:d.glumac@glumac-sf.com">d.glumac@glumac-sf.com</a>
Attendance Committee Chair	Richard Charles	C & B Consulting Engineers	415-442-0110	<a href="mailto:rac@cbengineers.com">rac@cbengineers.com</a>
Auditing Committee Chair	Daniel Reiter	Winzler & Kelley	707-523-1010	<a href="mailto:danreiter@w_and_k.com">danreiter@w_and_k.com</a>
Tennis Committee Chair	TBD Vacant			
BAEC Committee Chair	Thomas Reinarts	Keller & Gannon	415-621-1199	<a href="mailto:tom.reinarts@keller-gannon.com">tom.reinarts@keller-gannon.com</a>
Golf Committee Chair	Charlene Sturm	Air Treatment Corp.	510-655-3990	
Marbles Game Committee Chair	Leslie Hanohano	Norman Wright Equipment Corp	415-467-7600	<a href="mailto:lhanoano@norman-wright.com">lhanoano@norman-wright.com</a>
Publicity Committee Chair	Mike Scofield	Conservation Mechanical Systems	707-829-2080	<a href="mailto:cmscofield@aol.com">cmscofield@aol.com</a>
Reception Committee Chair (Membership Vice Chair)	Jeff Dittman	Glumac International	415-398-7667	<a href="mailto:j.dittman@glumac-sf.com">j.dittman@glumac-sf.com</a>
Redwood Empire Section President	Patrick Bailey	Geopraxis Inc	707-996-9408	<a href="mailto:pbailey@geopraxis.com">pbailey@geopraxis.com</a>
Seminar Committee Chair	Laurens Vaneveld	Taylor Engineering	510-749-9135	<a href="mailto:lvaneveld@taylor-engineering.com">lvaneveld@taylor-engineering.com</a>
Weather Data Committee	Nenad Saric	ATI Engineering Services	925-648-8800	<a href="mailto:nsaric@atiengineering.com">nsaric@atiengineering.com</a>
Golf Co-Chair (next year's chair)	Robert Polizzi	California Hydronics Corp	510-293-1993	<a href="mailto:bpolizzi@calhydro.com">bpolizzi@calhydro.com</a>
Chapter Program Committee Chair (President Elect)	Benjamin Sun	Flack & Kurtz	415-398-3833	<a href="mailto:bpsun@sf.fk.com">bpsun@sf.fk.com</a>
Honor Roll Committee Chair (Research Chair)	Cory Palmer	Norman Wright Mechanical Equip Co	415-467-7600	<a href="mailto:cpalmer@norman-wright.com">cpalmer@norman-wright.com</a>
PAOE Committee Chair (Past-President)	Ernie Wright	Norman Wright Mechanical Equip Co	415-467-7600	<a href="mailto:efrench@norman-wright.com">efrench@norman-wright.com</a>
Product Show Committee Chair	Cory Palmer	Norman Wright Mechanical Equip Co.	415-467-7600	<a href="mailto:cpalmer@norman-wright.com">cpalmer@norman-wright.com</a>
Roster Committee Chair (1 <sup>st</sup> Year Board Member)	Robert Levi	Carrier Corporation	510-563-5713	<a href="mailto:robert.f.levi@carrier.utc.com">robert.f.levi@carrier.utc.com</a>

## Meeting Minutes March 2<sup>nd</sup>, 2000

1. Approval of Minutes as Printed in the Fog Dispenser. As there were no Minutes from our February meeting there was no motion.
2. Mark Hydeman reviewed the nominating process and presented the proposed slate of candidates. Jim Nemechek moved to close the nomination process and adopt the proposed slate of candidates, Carl Jordan seconded. The motion passed unanimously in a hand vote of members.
3. Mark Hydeman inducted Ron Eng and Jeff Dittman into the Hall of Fame. Ron was recognized for his willingness to take on as Membership chair as a new member to the chapter last year. Jeff was inducted for his work as Reception Chair this year and incoming Membership Chair.
4. Mark recognized several times a new student member and incoming Fog Dispenser Chair, Rachel Bannon from UC Berkeley.
5. Mark reviewed the importance of the upcoming Chapters Regional Conference (CRC) in Vancouver (May 11-13, 2000). Information on the Region X and XI CRC can be found at the Regional website, <http://www.ashraex.org/OPSCRC.htm>. Mark encouraged members with motions and or nominations to contact their CRC Delegate, Ben Sun.
6. The Golden Gate Chapter is hosting the 2001 Region X CRC. The Committee is co-chaired by Mark Hydeman and Pat Bailey. Members are encouraged to help us plan this important and fun event. In addition to the CRC business and executive meetings, we will be having tours of the wine country and Muir Woods, a dinner cruise and a billiards tournament. The next meetings are from 4pm-5pm April 6<sup>th</sup> and 3pm-5pm on June 1<sup>st</sup>. Both meetings will be held at the PG&E Pacific Energy Center. Mark encouraged members to join the CRC planning committee, they need help.
7. Mark Hydeman (on behalf of Loek Vaneveld) announced that the chapter seminar on chilled water plant design was rescheduled for May 31<sup>st</sup>. Look for the announcement in either the latest Fog Dispenser or on the website (<http://www.ggashrae.org/seminar.htm/>).
8. Mark Hydeman (on behalf of Robin James) announced that the Golden Gate Chapter Board made a \$500 donation to the Cal Poly ice rink project. The students of Cal Poly are desperate for speakers knowledgeable about our industry. If you want a podium in San Luis Obispo, contact Robin James at (707) 745-5998 or [rjames@belimo.com](mailto:rjames@belimo.com).
9. Cory Palmer announced that the April product show will be held in conjunction with ASPE. Space is limited but there are a few tables left. With two organizations this is a great opportunity for vendors. Contact Cory Palmer at (415) 467-7600 or [cpalmer@norman-wright.com](mailto:cpalmer@norman-wright.com).
10. Cory Palmer also announced that our Research donations are only at 25% of our annual goals. Dig deep, shake down your colleagues and send the money to Cory. Remember this is 100% tax deductible and guaranteed to make you feel good.
11. Bob Levi waved a copy of the Millennium roster in front of the crowd and personally congratulated Bob Swezey for making the roster this year. Rosters will be in the mail in the next few days.
12. Jim Nemechek congratulated Karl Guttmann for his achievement of 50 years of membership!
13. Glenn Friedman of Taylor Engineering won two tickets to Cirque Du Soliel but failed to get the cash.
14. Bill Coad, Society Treasurer and Future President gave a provocative presentation on the design of VAV systems with dedicated outdoor air "itsy-bitsy" systems. There was plenty of lively debate over the proper application of air-side economizers.

*Respectfully submitted - Mark Hydeman, President and Pinch-Hitter*

## Official Ballot

Fax or Mail to Joe Olivier c/o SYSERCO (510) 498-1161 FAX or 44244 Fremont Blvd.,  
Fremont, CA 94538-6000

<b>Official Ballot of the 2000/2001 Golden Gate Chapter Board of Governors. Ballots must be received by April 6<sup>th</sup>, 2000.</b>		
<b>Position</b>	<b>Official Candidate</b>	<b>Write-in Candidate</b>
Past-President	____Mark Hydeman	_____
President-Elect	____Joe Olivier	_____
Secretary	____Edgar DeGuzman	_____
Treasurer	____Robert Levi	_____
Second-Year Member	____Jon Wintemeyer	_____
First-Year Member	____Robin James	_____

Signed \_\_\_\_\_ Date: \_\_\_\_\_

Name (Print) \_\_\_\_\_

### Instructions:

1. Either indicate selection of the "official candidate" by placing a check next to their name or fill in a write-in candidate.
2. Sign and date the ballot
3. Return ballot to Joe Olivier, the acting-Secretary

Note, in accordance with our Bylaws, Ben Sun will be automatically become the President.

# Don't forget your contribution to ASHRAE Research, your help is needed to provide funding for research projects for energy conservation, efficiency and future challenges responding to new building design and governmental restrictions.

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

***Cool Tools Seminar has been changed!! See the enclosed flyer for information!!!***

## Upcoming Programs:

Month	Program
April 6, 2000 PG&E Energy Center	Product Show
May, 2000	Field Trip - Monterey Bay Aquarium
June 1, 2000	To Be Determined

## 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

## Employment Opportunities

**HVAC, plumbing design** for wineries, schools, commercial. Senior Engineer/Project Mgr., PE with 7 years exper. Also, Engineer, BS with min. 2 years experience, great location, benefits; salary depends on experience. Fax resume to **Larkin & Associates**, 707-823-9363, email [info@larkinme.com](mailto:info@larkinme.com).

“OUR SUCCESS IS BUILT ON YOUR TALENT.....**Guttman & Blaevoet** is a well established SF consulting firm serving premier architects & building owners. We are seeking an articulate graduate mechanical engineer with at least 5 years of HVAC consulting experience. Successful candidates will have a strong academic background, be progressing toward a PE license, AUTOCAD proficient, and be highly motivated. Email to: [g&b@gb-eng.com](mailto:g&b@gb-eng.com)”

## **April 2000 and early May 2000 Classes and Evening Lectures at the Pacific Energy Center**

The Pacific Energy Center is located at 851 Howard Street between 4th and 5th Streets in San Francisco. We're a block from Moscone Convention Center and the Metreon. The PEC is two blocks south of the MUNI and BART lines running on Market Street. There is a parking lot between 4th and 5th Streets on Mission Street, a block away.

To reserve a space in these free events, call 415-973-7268 or register online via the PEC Web site: [www.pge.com/pec](http://www.pge.com/pec).

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### **Data Collection for Compressed Air Tuesday, April 4, 9:00 a.m. to 4:30 p.m.**

In commercial and industrial facilities compressed air systems are often in disrepair and the source of significant energy waste. We will focus on measurement tools and software programs, including AirMaster, that are available for evaluation of these systems.

### **Lighting Controls Tuesday, April 11, 9:00 a.m. to 4:30 p.m.**

Properly applied lighting controls can create comfortable and energy-efficient spaces. We will discuss the advantages and disadvantages of different control strategies in achieving lasting benefits.

### **Photovoltaics For Your Business or Home Thursday, April 13, 9:00 a.m. to 12:00 noon**

Learn the basics needed to purchase a grid-tied PV system. Topics include performance factors, state buydown incentives, financing options, and an overview of available products.

### **Low Temperature Supply Air Design Wednesday, April 19, 9:00 a.m. to 4:30 p.m.**

A panel of three experts will discuss low temperature supply air design. A case study of a 45 F VAV supply air system recently installed in a six-story, 550,000-square-foot office building in the heart of Silicon Valley will be included.

### **SPC Measurement and Verification for Small Commercial Buildings Tuesday, April 25, 9:00 a.m. to 4:30 p.m.**

This program addresses the Measurement and Verification component of the Small Business Standard Performance Contracts program for California. After reviewing the protocols for lighting, mechanical, and controls, we will demonstrate how data collection equipment is used to quantify savings.

### **Evening Lecture**

Refreshments: 6:00 p.m. to 6:30 p.m. and Speaker's presentation: 6:30 p.m. to (typically) 8:00 p.m.

### **David Gottfried: Greening Greed Thursday, May 4**

David Gottfried, of Gottfried Technology and co-founder of the US Green Building Council, will explore ways that embracing human greed may lead to positive environmental change in the new millennium.

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Beverly W. Coleman  
Learning Program Coordinator  
Pacific Energy Center  
851 Howard Street, San Francisco, CA 94103  
phone: 415/973-6960  
fax: 415/896-1290  
email: [bwc8@pge.com](mailto:bwc8@pge.com)

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