

# FOG DISPENSER

Golden Gate Chapter



ASHRAE

VOLUME XLII - NUMBER 6

MARCH 2004

## March Meeting Notice

Date: Thursday, March 4<sup>th</sup>  
Place: Embassy Suites Hotel  
101 McInnis Parkway  
San Rafael, CA 94903  
[MAP](#)

### Schedule:

5:30PM to 6:30PM - Registration & Social  
6:30PM to 7:30PM - Dinner with Announcements  
and Introductions  
7:30PM to 7:45PM Break  
7:45PM to 8:30PM Speaker  
8:45PM Meeting Adjournment after Marble Draw

Cost: \$35 for members and guests

### **Reserve by Monday, March 1<sup>st</sup> at noon**

Students – No charge, but please reserve a spot  
Voucher – No charge, but please reserve a spot.  
\$42 for non-members, late reservations and at the  
door

**Don't forget about "PAYPAL"** You may pay in  
advance with your credit card for Chapter meetings  
through paypal. Send your payment to  
[paypal@ggashrae.org](mailto:paypal@ggashrae.org). But please remember that you still  
have to enter your reservation as noted below:

Please reserve on-line by visiting [www.ggashrae.org](http://www.ggashrae.org) and  
clicking on "Meetings", and click on "Mar 4", fill out the  
form and send.

Or use the fax form in the Fog Dispenser.

*Remember* - If you make a reservation and cannot attend,  
you need to cancel in advance, or you will be billed.

## March Program



### Speaker: Ken Mozek, P.E. Hybrid Central Plant Application, Evaluation and Design

What is a hybrid chilled water plant? When does a  
Hybrid Central Plant design make economic sense?  
What are the critical application issues that need to be  
understood when designing a Hybrid Central Plant?  
How do I determine the "Most Economical Central  
Plant Solution"?

Ken will discuss the industry trends that are influencing  
designs that incorporate the use of multiple energy  
sources (Steam, Gas & Electric) in a Central Chilled  
Water Plant. Ken will review the types of systems that  
are available along with their application and economic  
advantages and review the tools that are available to  
evaluate these solutions.

Ken will also provide examples of projects in North  
America that have installed Hybrid Central Plants to  
meet their economic and application needs.

Ken Mozek is the District Sales Manager for York  
International in Northern California, responsible for  
HVAC equipment and solution sales with offices  
located in Pleasanton, Sacramento, Fresno and Reno.  
He has been helping Clients to meet their HVAC needs  
in the most economical way for over 24 years.

## **Golden Gate Chapter President's Message, March 2004**

---

### **Green is Good!**

Remember the 1987 film "Wall Street" where the fictitious corporate raider Gordon Gekko said "...greed – for lack of a better word – is good. Greed is right. Greed works"? I propose that we change that maxim to *Green is good. Green is right. Green works.* Those of you that attended the February meeting heard Kevin Hydes' captivating presentation on Barriers to Green Design. Kevin made it clear that there no longer are legitimate reasons for HVAC professionals not to promote Green buildings.

Green buildings benefit the environment, the economy, and the occupants' health and comfort. Green buildings reduce or shift energy consumption which saves money and reduces the United States' dependence on imported energy supplies. Enough studies have been completed to unequivocally prove that occupant productivity improves when working in a comfortable environment.

At an earlier stage of the movement to create more Green buildings, there were several misconceptions including that these buildings were expensive, ugly, and uncomfortable. It was also perceived that the designers' fees and profits may suffer due to the reduction in the size and quantity of HVAC equipment. Today it seems like we are past these myths about Green buildings and the designers and builders that are specializing in Green buildings are among the most successful firms.

Want to learn more about the subject? Read the October 2003 Report to California's Sustainable Building Task Force titled *The Costs and Financial Benefits of Green Buildings*. It is available for download on our website [www.ggashrae.org](http://www.ggashrae.org) . Click on GG Meetings and Events, scroll to Feb. 5 and click on the link.

Kevin concluded his presentation with a picture of his young daughter. His message was that if you promote Green for no other reason, do it for our future generations. Think about that when you look at your children, grandchildren, nieces, and nephews! Green is good!

Our March meeting will be a joint dinner meeting with the Redwood Empire Section in San Rafael. Ken Mozek will discuss Hybrid Chiller Plants. Hope to see you there.

Respectfully submitted,  
Robert F. Levi, P.E., Chapter President

### **Ken Mozek's Biography, continued**

---

He has worked for York in various design, marketing and sales management positions in York, Pennsylvania, New York City, Washington D.C., and San Francisco. He has extensive background in Hybrid Central Chiller Plant designs that integrate the use of steam, gas and/or electric driven refrigeration equipment. He has worked closely with Utility companies in both New York State and Northern California in the design of their energy programs. Ken was the recipient of the "Energy Star Building Award" in 1995 for HVAC Building Retrofits. Ken has a BSME from New Jersey Institute of Technology (NJIT).

### **Nominating Committee for 2003-2004 Year**

---

This year's nominating committee consisted of the following Chapter members: Mark Hydeman, Chairperson, Dennis Thompson, Debra Marshall, Stevan Blanc, and Ernie French. They met to discuss nominations and contacted the existing members for confirmation of obligation. The Ballot will be published in the April Fog for voting.

The proposed slate of officers for the GG Chapter Board of Directors for the year of 2004-2005 are as follows:

Robert Levi, Past President  
Cory Palmer, President-Elect  
Glenn Friedman, Secretary  
Debbie Marshall, Treasurer  
Robert Marcial, Second Year Board Member  
Jeff Blaevoet, First Year Board Member  
Jon Wintermeyer, President (Automatic, this position does not require a vote)

**Ken Mozek**  
District Sales Manager  
(925) 417-7202

**Sales Engineers**  
 Bill Bates (925) 417-7212  
 Greg Boyle (925) 417-7206  
 John Mitchell (925) 417-7220  
 Eric Levy (925) 417-7230  
 Shaun Webster (925) 417-7223  
 Kirk Peterson (925) 417-7208

**Sales Application Engineers**  
 Kristin Vogt (925) 417-7219  
 Jeremiah Di Matteo (925) 417-7209

**Sales Assistant**  
 Paula Bramhall (925) 417-7204

**Control Sales**  
 Rafael Sabia (925) 417-7227  
 Johanna Gustafsson (925) 417-7218

**YORK<sup>®</sup>**  
**INTERNATIONAL**  
 7060 Koll Center Parkway  
 Suite 312  
 Pleasanton, CA 94566

**York International Proudly Supports ASHRAE Research**

## 2004 Golden Gate ASHRAE Events

DATE	LOCATION	PROGRAM	SPEAKER
Apr. 1	Pacific Energy Center San Francisco	Science Fair and Scholarship Winners Product Show before Dinner	Students
May 6-8	Sacramento, CA	Region X CRC annual meeting hosted by the Sacramento Chapter of ASHRAE	Regional Officers and Chapter Delegates
May 13	Field Trip and Lunch in San Francisco	Asian Art Museum for HVAC tour and then Museum exhibit viewing time	Guide Gordon Bailey
June 3	Scott's Seafood Rest. ( Jack London Square )	Spouse Night with Comic Relief	James "Jim" Giovanni
June 11	Boundary Oaks Golf Course, Walnut Creek	Annual Golden Gate Chapter Golf Tournament Outing for Members	Kirk Peterson. Chairperson
June 26- 30	Nashville, TN	ASHRAE Annual Meeting, contact : <a href="http://www.ashrae.org">www.ashrae.org</a> for programs	Seminars and Technical Sessions

## Student Activities Committee

---

By Gary Harbison, ASHRAE Golden Gate Chapter Student Activities Chair

The Eric Thor Andresen and Donald G. Bryant Memorial Scholarships were established to provide financial assistance to local community college, college, and university students. Both scholarships are \$1,500, to be awarded at the regularly scheduled April meeting. Applicants need to be student members of ASHRAE and full time students.

The application process is an easy one, as we only require the application form, a short essay and resume. To be considered, the application needs to be submitted on or before March 19, 2004.

Further details of eligibility requirements and how to submit for consideration are on our website, along with the official application forms.

## ASHRAE Research Report

---

At the monthly meetings please take notice of the table cards. The cards list every individual and corporation that has given to ASHRAE Research, on any level, this campaign year.

We have reached 20% of our chapter's annual goal for Research. Please remind your colleagues and clients that a contribution to ASHRAE Research is a great way to give back to our industry! Thanks to everyone who has contributed so far this year. We are always looking for corporate support, especially corporations with "matching gifts" programs. Please contact the Research Chair with potential corporate contributor contact information.

Have you used your ASHRAE handbooks lately? If so, you realize how much research has gone into producing these books. The research for these books is your donation dollars at work! Every dollar that you donate goes to support ASHRAE Research.

The following individuals have donated on the honor level in the last month. If you have donated and have not been recognized please notify us. We want to make sure to recognize everyone who has donated!

***Corporate Honor Roll Investors (\$150.00 or more)***

*MHC Engineers Incorporated*

***Individual Honor Roll Investors (\$100.00 or more)***

*Mike Scofield*

Thanks to everyone who has donated!

If you have any questions or would like to donate please contact:

Jon Malkovich  
925.688.1369 x4  
[jon.malkovich@ebward.com](mailto:jon.malkovich@ebward.com)

Johanna Gustafsson  
925.417.7218  
[johanna.gustafsson@york.com](mailto:johanna.gustafsson@york.com)

# Technical, Energy and Government Affairs (TEGA) Committee

---

By Scott Wayland, ASHRAE Golden Gate Chapter TEGA Chair

## 2004 Golden Gate Technology Awards were due at the end of February!!!

If you would like to submit a project, contact Scott Wayland at [sewayland@comcast.net](mailto:sewayland@comcast.net) or at (510) 508-2244 as soon as possible.

For more information including an application, go to:

<http://www.ashrae.org/template/AssetDetail/assetid/25447>

## ASHRAE E-Newsletters

As you may know, Society has been making many changes to the website. Additionally, there are two email newsletters that are published weekly and bi-monthly.

Most of you may already get *The HVAC&R Industry*, ASHRAE's free weekly eNewsletter for HVAC&R professionals. It provides relevant, timely information about industry and technology for people who create healthy, comfortable indoor environments and is sent via email every Thursday. It is available to members as well as non-members.

In *The HVAC&R Industry* you'll get:

- Current news in the HVAC&R industry
- New developments, meeting schedules, and other ASHRAE information
- A lead story that investigates breaking industry news and a feature story that takes an in-depth look at an industry topic in every issue
- Quick links to ASHRAE's online technical information, member-oriented content, and other site features

Some of you may not know about the newest email newsletter, *Society Connections*.

In *Society Connections* you'll get:

- Current news about ASHRAE
- ASHRAE's new Discussion Forums on industry-related topics and the Society
- The opportunity to dialogue with other members on a specific important topic or question pertaining to ASHRAE
- Quick links to read and discuss a technical article from ASHRAE Journal.
- Convenient links to online versions of departments from *ASHRAE Insights*.

*Society Connections* is only available to ASHRAE members.

If you do not already get both of these newsletters, go to the following link for more information, archives, to signup or manage your subscriptions:

<http://membership.ashrae.org/template/EnewsletterLanding>

For further assistance, please contact Christopher Weems at [cweems@ashrae.org](mailto:cweems@ashrae.org) or at 404 636-8400 ext. 1133

Contact Scott Wayland and the TEGA Committee regarding submitting at (510) 508-2244 or at [sewayland@comcast.net](mailto:sewayland@comcast.net)

## Code Committee

ASHRAE Golden Gate Chapter members responsible for Design and Construction Review are invited to inform our Code Committee on CODE INTERPRETATION issues they face with the AUTHORITIES HAVING JURISDICTION (AHJ) and City Building Department staff i.e., Building Officials, Plan Checkers and Building Inspectors. This will enable the membership to participate in the Code Committee endeavors in proposing changes to the existing Codes of Practices. Code Committee has been in existence for a long time and has been successful in proposing and effecting numerous changes to e.g., San Francisco Building Code, Uniform Mechanical Code, Title 24 Energy Conservation Standards and NFPA 5000.

Matt Chikhale, Chairperson, Code Committee  
MMCA1@MSN.COM

# Minutes of February 5, 2004 Chapter Meeting

---

Location – Scott’s Seafood Restraunt, Jack London Square, Oakland, CA

- Meeting called to order at 5:30 p.m. by Bob Levi.
- Self-introductions.
- A motion was made to approve the January 12 meeting minutes. The motion passed unanimously.
- The Eric Thor Andressen Memorial Scholarship Fund has received an additional gift of \$50,000. The gift came from Eric’s father, Flemming Andresen. The Scholarship fund was set up in 1991 – one year after Eric died. Eric was a young engineer working for Glumac. These funds will be safely invested to earn interest that will be used to fund more or larger scholarships for Bay Area students.
- Notice that two local engineers had articles in the *ASHRAE Journal* in January.
  - Glenn Friedman: “Too Hot/Too Cold – Diagnosing Occupant Complaints”
  - Max Sherman: “ASHRAE’s New Residential Standard 62.2”
- UCB Extension HVAC classes on Controls starting in March – taught by Steve Taylor and Mark Hydeman.
- Mark Hydeman, Chair of the Chapter’s Nominating Committee, announced the nominations for next year’s Golden Gate Chapter Board of Directors. The Nominating Committee was composed of Mark Hydeman, Chair, Steve Blanc, Dennis Thompson, Ernie French, and Debbie Marshall. The slate of candidates that are nominated for 2004-2005 are:
  - Bob Levi - Past-President
  - Jon Wintermeyer – President
  - Cory Palmer – President-Elect
  - Glenn Friedman – Secretary
  - Debbie Marshall – Treasurer
  - Robert Marcial - Second Year Board Member
  - Jeff Blaevoet – First Year Board Member
- A motion was made and seconded to close the nominations, and was approved unanimously.
- Edgar DeGuzman presented an award to Kirk Peterson for Kirk’s work on the 2003 golf tournament.
- Gary Harbison, Student Activities Chair: Scholarships announcement.
- Gwelen Paliaga, recipient of the ASHRAE Travel Grant to Anaheim, described his experiences at the convention.
- Jon Malkovich: Resource Promotion announcement.
- Scott Wayland, TEGA Chair: Technology Awards due at the end of the month.
- Eric Levy, Product Show Chair: April Product Show announcement.
- Jon Wintermeyer introduced the speaker: Kevin Hydes, President of Keen Engineering and Vice Chair of USGBC.
- Marble Draw – Prizes sponsored by Johnson Controls and York International.
- Next month is a joint meeting with the Redwood Empire section in San Rafael. Ken Mozek will talk about hybrid chilled water plants.
- The meeting was adjourned at 8:30 p.m.

Respectfully submitted, Cory Palmer, Chapter Secretary

## Board Meeting News

At the Board meeting held on February 11, 2004, the Board unanimously passed the motion to sell all the GMAC bonds currently held in the scholarship account because of its lowered rating to BBB. Motion was made by Glenn Friedman and seconded by Debra Marshall.

## 2003/2004 Golden Gate and San Jose Roster

---

The Golden Gate and San Jose ASHRAE Chapters are again going to publish an electronic version of the joint Roster for the entire Bay Area. All roster AD's have been collected and the roster is being checked against the latest member data as received from Society. If you have recently gone on line at the Society WEBSITE and made changes to your file, please notify a member of the Board in writing or by e-mail, as Society may not have the latest information forwarded to us in time for Roster publication.

## 2004 Product Show

---

Final Reminder !!! Time is going quickly to reserve your table or tables for the Product Show at the PEC, prior to the regular April 1<sup>st</sup> meeting. If you are interested or need more information, contact Chairperson Eric Levy: Phone (925) 417-7230, Fax (925) 426-1188 or e-mail [eric.levy@york.com](mailto:eric.levy@york.com).

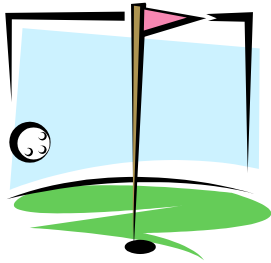
## Marble Draw

---

Thank you to the Johnson Controls and York International for sponsoring the Marble Draw prizes at the February meeting. The special marble was not picked, so the Marble Draw pot rolls over to the April meeting. The Pot is now worth well over \$1,000 for April's drawing, as the March meeting is in San Rafael with the Redwood Empire and they will have their own drawing and prizes. If you would like to sponsor the prizes for future Marble Draw raffles, please contact Nicolina Guiliano at [nicolina.j.guiliano@jci.com](mailto:nicolina.j.guiliano@jci.com)

## Golf Tournament

---



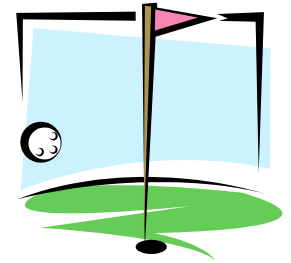
### ASHRAE Golden Gate Chapter 2004 Golf Tournament

Friday, June 11, 2004 • 12:30 pm Shotgun Start

### Boundary Oaks Golf Course

[www.boundaryoak.com](http://www.boundaryoak.com)

3800 Valley Vista Road, Walnut Creek, California 94598



Registration opens at 11:00 a.m.

- Awards Dinner • Scramble Tournament • Prize Raffle  
• Two "Longest Drive" Contests • Two "Closest to the Pin" Contests

#### Pricing:

*(all packages include dinner and golf goodies):*

Gold Sponsor.....	\$1,850
<i>(4 foursomes, 2 tee sponsorships)</i>	
Silver Sponsor.....	\$1,450
<i>(3 foursomes, 1 tee sponsorship)</i>	
Bronze Sponsor.....	\$1,000
<i>(2 foursomes)</i>	
Basic Team.....	\$ 520
<i>(1 foursome)</i>	
Single Player.....	\$ 135

Contest Sponsors, Tee Sponsors, and Prize Donations are graciously requested

**All proceeds benefit ASHRAE Research**

For more information, or to sign up your team, please contact  
Kirk Peterson via e-mail: [kirk.peterson@york.com](mailto:kirk.peterson@york.com)

## From the Chapter Historian

---

### Joseph E. Murray – GGASHRAE Biography

Authored By Carl H. Jordan, Life Member/Fellow and GGASHRAE Historian

In 1957, when I (author) sought my first post-graduate engineering position, Joe Murray hired me. He had been the President of the Golden Gate Chapter of ASHRAE for 1953-54.

Earlier, in 1945, the consulting firm of Garthorne, Buonaccorsi & Murray was formed to include Joe. In 1953, Garthorne, an electrical engineer, retired and Mel Lewis joined the firm for a short time and the name changed to become Buonaccorsi, Murray and Lewis, but Mel later moved on to Bechtel. Al Buonaccorsi and Joe Murray were both mechanical engineers.

While I was employed there from 1957 to 1966, the firm was located at 350 Mission Street at the corner of Fremont. In 1963, Joe left the firm and started his own practice in the International Building, near Chinatown. The remaining firm became Buonaccorsi & Associates.

Joe was the Chair of the Society's Winter Meeting in San Francisco in 1970. Regretfully Joe passed away about one week before the meeting began, and his Vice Chair Tom White took over the role and presided at the meeting.

Some things that impressed me about the early days of my first post-graduate engineering position with Joe, was my first assignment, which was to develop a standard form on which the firm's engineers, mostly my seniors, would use to calculate building cooling loads. With no prior exposure to ASHVE, I was handed Joe's copy of the latest guide and told to "go to it". At the time I considered it to be merely a task. However, upon reflection, I can't think of a better way to introduce a young engineer to the ASHVE cooling load methodology. Did they ask me to do this as a task or as a learning experience? I'll never know.

Another was within my first or second year with the firm, Joe assigned me to design a new American embassy in Fukuoka, Japan. He gave me substantially no guidance, as this was another learning experience arranged by Joe's faith in me, or just poor judgment on his part.

A third came when I didn't know the shading factor of a drapery, Joe told me to send a sample of it to the ASHRAE lab in Cleveland, Ohio, where their researchers would test it in a solar calorimeter and determine the shading factor for me. (The idea of using a shading factor was very new at that time).

Joe, you exposed me and other young engineers in HVAC to a lot in a very short period of time and the author will always be grateful.

The Golden Gate Chapter thanks you Joe Murray for your contributions to ASHRAE and our industry.

(Information by the author's memory, from his association with Joe and the 1994-95 Chapter's Centennial FOG Dispenser issue.

### **HISTORIAN'S REQUEST FOR SOME INFORMATION FROM THE CHAPTER MEMEBERS**

My Fellow members of Golden Gate ASHRAE, if you are or know of any other member, who was a former member of ASRE (American Society of Refrigeration Engineers) in San Francisco from 1944 to 1958, when it then merged into ASHVE to become ASHRAE, please contact me. I am Carl Jordan, Chapter Historian, please call me at (510) 526-6299 so that we may talk, or mail me your information to 646 Colusa Ave, Berkeley, CA 94707-1518, so that we can preserve for our new younger members, the accuracy of our Chapters long and interesting history in the San Francisco Bay Area.

Thank you for your cooperation.  
Carl Jordan

# ASHRAE GOLDEN GATE CHAPTER - DINNER RESERVATION FAX

*For Thursday, March 4th*

Please reserve prior to **Monday at noon, March 1st.**

Please reserve on-line by visiting [www.ggashrae.org](http://www.ggashrae.org) and click on "Meetings", and click on "Mar 4", fill out the form and send. Or FAX the following form to Debbie Marshall (510) 639-3337.

**Members with vouchers – you too – must send in your reservation. We need to know how many meals to request.** Please cancel your reservation if you cannot attend. Cancellations must be received by March 1st.

FROM: \_\_\_\_\_

COMPANY: \_\_\_\_\_ Phone: \_\_\_\_\_

Please make \_\_\_\_\_ reservation(s) for the following people (fill in names below):

## **Pay for meetings using your credit card**

The Chapter has set up a PayPal account. You may now pay for your meetings using your credit card if you have a PayPal account. It's a very simple process, and the instructions are on the website.

- There will **NOT** be any service charges to you from PayPal nor the Chapter.
- The Chapter does **NOT** see your private card nor bank information.
- The Chapter does **NOT** even see the last four digits of your credit card number.
- You can cancel your personal PayPal account whenever you want.

Several members have already paid using PayPal. If you have any questions about this process, please contact Robert Marcial at <[rmarcial@uclink4.berkeley.edu](mailto:rmarcial@uclink4.berkeley.edu)>.

**NOTE: At the meeting, we will have a list of those that have paid through PayPal, but we will not be accepting credit card payments at the meeting.** All credit card payments **MUST** go through PayPal. If you want to pay at the meeting, it's business as usual...cash or checks only.

## **Employment Opportunities**

---

### **CDM, Mechanical Engineer, Walnut Creek**

The successful candidate will be responsible for the design of HVAC, plumbing, and fire protection systems for buildings including analysis, equipment selection and equipment layout. The candidate will also prepare plans and specifications for bidding and construction, work with other disciplines to produce a fully coordinated project and prepare engineering studies and reports. Candidate must meet deadlines, quality standards and utilization goals. BSME required with 5 years of experience designing building systems for water and wastewater treatment facilities, biotechnology facilities, semiconductor facilities and other industrial facilities. Ability to understand P&ID's preferred. Must have excellent written and verbal communication skills. AutoCAD and Microstation skills desired. PE desired. Qualified applicants please send resume to [mesace@cdm.com](mailto:mesace@cdm.com). EOE/AA