

FOG DISPENSER

Golden Gate Chapter



ASHRAE

VOLUME XLII - NUMBER 7

APRIL 2004

April Meeting Notice

Date: Thursday, April 1st
Place: Pacific Energy Center (www.pge.com/pec)
851 Howard Street
San Francisco, CA 94103

Schedule:

4:30PM to 6:30PM - Product Show Displays,
Bar opens at 5:00 PM,
Meeting Registration
6:30PM to 7:30PM - Dinner with Announcements
and Introductions
7:30PM to 7:45PM Break
7:45PM to 8:30PM Science Fair Award Winners
Technology Award Winners
Scholarship Winners
Product Show Vendors
8:45PM Meeting Adjournment after Marble Draw

Cost: \$35 for members and guests
Reserve by Tuesday, March 30 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. But please remember that you still
have to enter your reservation as noted below:

Please reserve on-line by visiting www.ggashrae.org and
clicking on "Meetings", and click on "Apr 1", 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.

April Program

Prior to the meeting, the Annual Product Show will
take place at the Pacific Energy Center. Local vendors
will be displaying their products with the latest
technologies. Your first beverage will be FREE
courtesy of the Product Show Vendors. These vendors
will also sponsor over \$600 in prizes that will be raffled
after the dinner to the attendees of the Product Show.
There is no charge to attend the Product Show. Just the
normal charge for the dinner as noted.

The April meeting is ASHRAE Student night. This is
always a fun night to celebrate the youth of today and
their promise for the future. We will be recognizing at
the meeting students and professionals for the
following accomplishments:

ASHRAE Scholarships

Eric Thor Andresen Memorial Scholarship
Don G. Bryant Memorial Scholarship

ASHRAE Travel Grant Awards and presentation by
previous winners

San Francisco Bay Area Science Fair Awards

Presented to the Middle School and High School
Students with the best HVAC related projects
displayed at the 2004 Science Fair in the Academy of
Sciences. Students will be encouraged to give a brief
presentation on their project. Selected Students with
their Parents or a Sponsor will be invited to attend the
dinner meeting.

Golden Gate ASHRAE Technology Awards –
Presented by the TEGA Committee

Golden Gate Chapter President's Message, April 2004

ASHRAE Membership

To be competitive in today's markets, companies and individuals must rely on new technology. ASHRAE is the industry's only complete source for information about HVAC&R technology.

If you are reading this, chances are you are already an ASHRAE member. So this message is meant as a reminder of membership benefits so you will encourage others to join.

ASHRAE members gain direct access to new technology through:

- *ASHRAE Handbook* -- Members receive updated volumes annually. The four-volume series presents fundamental engineering data that is updated through Society-directed research; explains new advances in equipment; and covers application of new technologies to solve design and operating problems.
- *ASHRAE Journal* -- Members receive monthly issues of the magazine, which contains the latest in industry news and products, peer-reviewed articles, updates on the activities of the Society's Washington office and information on upcoming meetings and shows.
- Members also gain access through numerous publications and the ASHRAE Learning Institute.

ASHRAE membership and participation offers several benefits in addition to the technology aspect. These benefits include the all-important networking in the industry, strengthening of leadership skills, self-development and sharing of ideas.

Want to get \$10 from ASHRAE? Recommend a new member. The *Member-Get-A-Member* program is designed to reward members who recruit new members. The applicant is asked to complete the *Member-Get-A-Member* section on the application with your name and member number. A \$10 coupon is sent to the sponsoring member. The coupon can be used towards the purchase of ASHRAE publications, logo merchandise and ASHRAE membership dues.

You can find the appropriate application forms on our website, www.ggashrae.org, click on FAQ, and go to #11.

Our April meeting will be at the Pacific Energy Center. The Product Show will be held prior to dinner. After dinner there will be brief presentations by our Student Scholarship, Science Fair, and Technology Award winners. It will be an entertaining evening. Hope to see you there.

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

Homeland Security for Buildings, Satellite Broadcast

On Wednesday, April 14th from 9:00 am to noon PDT, ASHRAE will host a free satellite broadcast. Visit <http://www.ashrae.org/template/AssetDetail/assetid/30812> for more details

There will be two broadcast locations in the Bay Area:

California Department of Health Services, Richmond Laboratory
850 Marina Bay Parkway, Richmond, CA 94804

Advance registration is mandatory. You must register no later than Monday April 12th. Please send an email message to Bob Levi blevi@pacbell.net with your name and company. Bob will forward a list to the host.

Enter at the main gate and tell the guard that you are registered for the ASHRAE satellite broadcast at the auditorium. Since this is a high security facility, be prepared for similar security screening to what you experience at an airport. Bring your photo ID. Arrive early, because security clearance will take some time, and parking is limited close to the auditorium. A cafeteria is available.

ASHRAE San Jose Chapter at the Trane Company

310 Soquel Way, Sunnyvale, CA 94086

Advanced registration is required. Limited to the first 25 people to register. Contact Grant Paedon, at 408-481-3600, or gppaedon@trane.com to register.



AIR TREATMENT CORPORATION

2156 Central Avenue
Alameda, CA. 94501

Phone: 510 769-0700

Fax: 510 769-0702

Air Treatment Corporation Salutes ASHRAE

Our degreed engineers will provide application assistance in the design, layout, and selection of products from our resources to meet all your project requirements

2004 Golden Gate ASHRAE Events

	LOCATION	PROGRAM	SPEAKER
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 18	San Francisco Tennis Club	Golden Gate Chapter Memorial Tennis Tournament	Jason Daters
June 26-30	Nashville, TN	ASHRAE Annual Meeting, contact : www.ashrae.org for programs	Seminars and Technical Sessions

Student Activities Committee

By Gary Harbison, ASHRAE Golden Gate Chapter Student Activities Chair

We will be honoring academic achievement and awarding scholarships at the April meeting. We will be presenting awards for both the memorial scholarships and Bay Area Science Fair entrants.

We have had multiple, highly qualified and well received entries for The Eric Thor Andressen and Don Bryant Memorial Scholarships.

The 51st San Francisco Bay Area Science Fair was held at the Hall of Flowers in Golden Gate Park, and judging was on March 25, 2004.

Jon Wintermeyer has been using the "Cool Tools" for school presentations. If any others wish to present at local middle or high schools, please me know, so I can arrange to provide you with this kit.

ASHRAE Research Report

We are in the home stretch of the ASHRAE Research Year. Have you donated yet? It's not too late to make a donation and make a significant impact on the HVAC industry through research.

The following individuals have donated on the honor level in the last month. If you have donated and not been recognized please let us know. Thanks to everyone who has donated!

Corporate Honor Roll Investors (\$150.00 or more)

Norman Wright Incorporated

Individual Honor Roll Investors (\$100.00 or more)

Wasil Popow

Jack Palmer

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

Jon Malkovich
925.688.1369 x4
jon.malkovich@ebward.com

Johanna Gustafsson
925.417.7218
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

Congratulations to all who participated. The results will be announced at the April 1st meeting.

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:

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

For further assistance, please contact Christopher Weems at cweems@ashrae.org or at 404 636-8400 ext. 1133

ASHRAE Standards Actions and Public Review Drafts

Society has a page under 'Technology and Standards' that posts announcements including public review drafts open for comment, call for members on ASHRAE committees, publications, new errata and interpretations, and other information related to ASHRAE standards and standards related activities.

Please take a look at these issues, there are several to review. Society wants your help if you have a comment. One interesting draft that is out for 45-day public review is Standard 134P – Graphic Symbols for HVAC&R Systems.

You can find these Standards Actions and Public Review Drafts here:

<http://www.ashrae.org/template/TechnologyLinkLanding/category/1634>

Contact Scott Wayland and the TEGA Committee at (510) 508-2244 or at sewayland@comcast.net

Minutes of March 4, 2004 Chapter Meeting

Location – Embassy Suites, San Rafael, CA Joint Meeting with the Redwood Empire Section

- Meeting called to order by Bob Levi at 7:15 pm
- Self-Introductions of members and guests, noting Chapter/Section affiliations.
- This is the third annual joint meeting between the Golden Gate Chapter and the Redwood Empire Section
- Motion was made to approve the February 5th meeting minutes. The motion passed unanimously.
- Bob asked the attendees about their interest in the April 14th ASHRAE satellite broadcast on Homeland Security for Buildings. There was limited interest, so the chapter will not spend the extra money for a San Francisco venue. There will be broadcasts in Richmond and Sunnyvale.
- Jon Wintermeyer announced that the election ballots, based on the slate of officers submitted by the Nominating Committee and approved at the February meeting for Chapter members to vote on for the 2004-2005 Board will be in the April FOG and also posted on the Website for the membership to use for either electronic or fax voting to the Chapter Secretary.
- Robert Marcial, Board Member, announced that the Pacific Energy Center was successful at renewing their funding from the CPUC. Thanks for all of the letters of support that our members sent.
- Dennis Thompson announced the Cal Poly Student Chapter Golf Tournament in San Luis Obispo.
- Rob Main, Redwood Empire Section President, announced that their Golf Tournament will be on Oct. 1st.
- Kirk Peterson, Golf Tournament Chair noted this year's event will be on June 11th again at the Boundary Oaks Golf Course in Walnut Creek.
- Carl Jordan, Chapter Historian, asked any members of ASHRAE's predecessor organizations, ASRE, ASHVE, and ASHAE to contact him.
- Eric Levy, Product Show Chair, announced the April 1st Product Show prior to the next meeting at the Pacific Energy Center.
- Jon Malkovich, Resource Promotion Chair, thanked contributors and recognized them on the table cards.
- Scott Wayland, TEGA Chair, reminded all to get their Technology Award applications in this month.
- Bob Levi, in Gary Harbison's absence, announced that Scholarship applications are due this month and will be awarded at the April 1st meeting.
- John Cross of the Redwood Empire Section was selling raffle tickets.
- Jon Wintermeyer introduced the speaker for the evening program Ken Mozek, District Sales Manager for York International, who gave a presentation on Hybrid Central Plant Application, Evaluation and Design.
- John Cross drew the raffle tickets for the numerous donated prizes.
- Meeting adjourned at 9:00 pm

Respectfully submitted by the GG ASHRAE Board for Cory Palmer , due to his unfortunate accident

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

2004 Product Show

REGISTER NOW FOR THE 2004 ASHRAE PRODUCT SHOW!

The annual Product Show will be held on Thursday, April 1st at the PG&E Pacific Energy Center in San Francisco. Golden Gate ASHRAE sponsors this year's Product Show; no other professional organizations are involved in the organization or planning. More than one hundred attendees are expected, including mechanical contractors, consulting engineers, architects, building owners, and sales representatives.

If your firm has exhibited at past Product Shows, you may be familiar with this annual ASHRAE event. If 2004 will be your first year as an exhibitor, you should be prepared to generate interest in your product or firm, answer questions from other ASHRAE members, and enjoy the exposure you will receive.

The schedule for April 1, 2004 will be as follows:

3:00 – 4:30 p.m. Exhibitor Setup
5:00 – 6:30 p.m. Table Top Displays/Social Hour/Hors d'oeuvres (bar opens at 5:00)
6:30 p.m. Dinner (make payment and reservations through ASHRAE)
7:30 – 8:30 p.m. Meeting/After Dinner Program for ASHRAE.

After dinner, each exhibitor will make a *30-second* presentation. The topics can be humorous and/or informative.

Letters and applications will be sent to all of the 2004 Product Show exhibitors by March 24th. Any firm that has not participated in the past should contact Eric Levy with any questions. New participants are welcome. We are striving for a mix of equipment manufacturers, consulting engineers/design firms, technology companies (internet and/or software geared to the engineering and construction industries), and HVAC service companies.

Respectfully submitted by Eric Levy, 2004 Product Show Committee Chair, Phone 925.417.7230,
Fax 925.426.1188, eric.levy@york.com

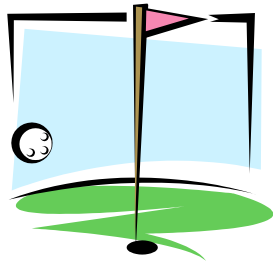
Field Trip

Asian Art Museum, May 13, 2004

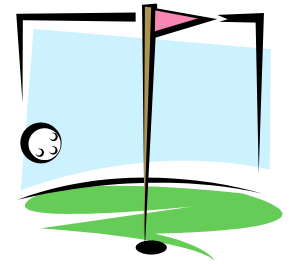
Attention GGASHRAE Members! We have a great May field trip planned for Thursday, May 13th. Please go to: http://www.ggashrae.org/meetings/2003-2004/may_fieldtrip.htm on the chapter website and check off to let us know if you're interested.

We have an afternoon San Francisco field trip planned, that will start with an 11:30AM lunch at the California Culinary Academy to sample their "Grand Buffet". This meal consists of both hot and cold appetizers, hot entrees and desserts as created by classes of supervised culinary students. Immediately after our lunch, we will go to the Asian Art Museum at 200 Larkin Street for a tour of the Asian Art Museum's HVAC systems provided by Mr. Gordon Bailey of the Museum Staff, which should finish around 2:00PM. Upon completion of the tour, you will be able to remain and tour the Museum at your leisure to see all the exhibits and art. The Asian Art Museum is open with extended hours on Thursdays until 9:00PM.

We are arranging this as a complete package of all items for our Chapter Members who wish to attend, but in order to complete the program reservations, we must place our number of attendees 30 days in advance of the date and make full payment at that time. That is why we need to know the interest level at the time of our April meeting, so that we can book the correct number of our party and reserve our meal seating, tickets and tour. Schedule yourself to make this afternoon of sampling good food, learning the types of HVAC systems and controls needed for a Museum and as much Asian Art enrichment as your time will allow. We have scheduled this field trip a week later than usual because of the Region X CRC meeting occurring on our usual meeting night, in order to make it available to those Chapter and Board members attending the CRC. We look forward to seeing you at this Field Trip.



ASHRAE Golden Gate Chapter 2004 Golf Tournament



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

Boundary Oaks Golf Course

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

From the Chapter Historian

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

Bob Braun – GGASHRAE Biography

Here's a guy that has been really active in our industry for a long time. The way I figure it, he has been doing engineering for fifty-six years. Wow! As you might expect he is a Life member and Fellow of ASHRAE.

After serving in the Navy, Bob got his BSME degree in 1947 (I was age fourteen) from UC Berkeley and then worked for several engineering firms in the San Francisco area for the next eleven years. He then became a principal of Charles & Braun where he remained from 1958 to 1992. Since then he has continued to practice as an independent consulting engineer.

Bob is a P.E. in nine states and has served on four ASHRAE Society Committees. He has also been a member of ASME, ASPE, CEAC, IAPMO and APEC (Automated Procedures for Engineering Consultants).

APEC, organized in about 1965, was formed as a Society where consulting engineers would share their individually written computer programs and sponsor the development of additional programs for their common benefit. They did this for heating and cooling loads, duct design, etc. Bob was very active in APEC and has used their programs extensively. The only reason he wasn't a founding member of APEC was that Charles & Braun couldn't afford to join that year. Nevertheless, Bob was an early and extensive user of the computer in his consulting practice.

Another of Bob's strong suits has been education. He was the President of the San Mateo Elementary School Board, served on ABET (Accreditation Board for Engineering Technology) and has taught HVAC classes at UC Extension since 1980 (he is still doing it). He has also employed participants in the ESCMT program. (See the Karl Guttman biography for an explanation of the ESCMT)

Bob has been a good friend over the years. As individual practitioners, he and I have from time to time, consulted one another on perplexing matters, and that has been helpful to me. He is also a very fine photographer.

The Golden Gate Chapter thanks you, Bob Braun, for your very professional contributions to ASHRAE and our industry.

(Information by the author's memory, conversations with Bob and the official ASHRAE biography, 2003.)

**ASHRAE GOLDEN GATE CHAPTER
2004 MEMORIAL TENNIS TOURNAMENT**



WHERE: **San Francisco Tennis Club**
www.sftennis.com
645 Fifth Street @ Brannan
(415) 777-9000
Indoor Courts w/ locker rooms & garage parking

WHEN: **Friday, June 18th [1-4 PM]**

WHY: Proceeds benefit the Eric Andresen Engineering Scholarship Fund
Plus the chance to: have fun, exercise, network, & take a break from work

FORMAT: Round Robin Rotating Doubles
Awards for Individual Score Champions

COST: \$65/player - includes: court fees, balls, refreshments, & awards

To sign-up or for additional information,
contact the Tournament Coordinator – Jason Daters @ 510-723-7728 or
Jason.daters@siemens.com

ASHRAE GOLDEN GATE CHAPTER - DINNER RESERVATION FAX

For Thursday, April 1st

Please reserve prior to **Tuesday at noon, March 30th.**

Please reserve on-line by visiting www.ggashrae.org/calendr.htm and click on "Apr 1", 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 30th.

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>.

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.

OFFICIAL ASHRAE BALLOT FOR THE 2004/2005 GOLDEN GATE CHAPTER BOARD OF GOVERNORS

You mail fax or email the ballot, or vote electronically.

Please fax or email to: Cory Palmer, Secretary
Norman-Wright Co. Fax: 1-415-467-0900
Email: cpalmer@norman-wright.com

To vote electronically: <http://www.ggashrae.org/ballot.htm>

BALLOTS MUST BE RECEIVED BY WEDNESDAY, MARCH 31, 2004

POSITION	OFFICIAL CANDIDATE	VOTE	WRITE-IN CANDIDATE
Past President	Bob Levi	<input type="checkbox"/>	
President-Elect	Cory Palmer	<input type="checkbox"/>	
Secretary	Glenn Friedman	<input type="checkbox"/>	
Treasurer	Debbie Marshall	<input type="checkbox"/>	
Second-Year Board Member	Robert Marcial	<input type="checkbox"/>	
First Year Board Member	Jeff Blaevot	<input type="checkbox"/>	

NOTE: In accordance with our bylaws, Jon Wintermeyer will automatically become President.

Signed: _____ Date: _____

Name (Print): _____

Instructions:

1. Please vote for the Board of Governors. Either indicate selection of the official candidate by placing a mark in the "vote" box next to the candidates' name, or fill in the name of a write-in candidate.
2. Sign and date the ballot.
3. Return ballot to Cory Palmer, Secretary.
4. This ballot is also available on the Chapter website (www.ggashrae.org) under Announcements



Our Guest Speaker Ken Mozek from York



Brian Horban, name unavailable, Dale Yaeger, Greg Schnabel



Our Hosts for the evening from the Embassy Suites



Kristen Vogt, Elizabeth Dubensky, Jon Malkovich, Johanna Gustafsson, Shaun Webster



Jon Malkovich busy at working setting out the latest Research data



Name unavailable, Keith Marchando



John Cross, Robert Marcial, Debbie Marshall



Past Presidents Jack Kniveton, Dick Charles