

FOG DISPENSER

Golden Gate Chapter



ASHRAE

VOLUME XLII - NUMBER 5

FEBRUARY 2004

February Meeting Notice

Date: Thursday, February 5th
Place: SCOTT'S SEAFOOD RESTAURANT
Jack London Square, #2 Broadway
Oakland, CA 94607
[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, February 2nd 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 "Feb 5", fill out the
form and send.

Or use the fax form in the Fog Dispenser.

Remember to choose your entrée when you register.
Scott's will offer a choice of **Chicken Piccata, Grilled
Salmon, or a Vegetarian Dish**

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

February Program

Speaker: Kevin R. Hydes, P.E.
Barriers to Sustainable (Green) Design

If sustainable/green designs are so good, why isn't
everyone doing them? What are the barriers or the myths
of green design that are in the way? This presentation
will look at some of the perceived green myths and
barriers such as:



- Green designs cost more
- There is not enough
knowledge about green
design
- Too many risks
- Green designs are ugly
- Green designs are on the
fringe

As well, the presentation will also focus on business
issues related to green designs and integrating the design
teams.

Project examples from across North America will
highlight how these barriers and issues have been
overcome successfully, and will include Post Occupancy
Evaluation reviews of some of Keen's earlier projects.

Kevin Hydes, P.E., has worked in the building services
industry since 1973 and joined [Keen Engineering](#), then a
50 person firm, in 1982. Keen Engineering now has over
200 employees.

... continued on following page...

Golden Gate Chapter President's Message, February 2004

Would Winning an ASHRAE Technology Award Be Good For Your Business?

Ask Jeff Blaevoet of Guttman & Blaevoet Consulting Engineers. He won a Society Honorable Mention Technology Award for his Hamilton Landing Hanger project. Jeff had just received his plaque on the morning of our January meeting. He brought it to the meeting to show the group. The plaque was very impressive. But besides an attractive piece of wood and metal there is the recognition that goes along with receiving such an Award.

What do building owners, developers, agencies, architects, etc. look for in a consulting engineer? Sure many look for low price, but many want an organization that has a record of efficient and innovative projects. The Technology Awards are based upon an equal weighting of six categories:

- Energy Efficiency
- Indoor Air Quality and Thermal Comfort
- Innovation
- Operation & Maintenance
- Cost Effectiveness
- Environmental Impact

When a project is recognized to be superior in these categories by the world's largest organization of HVAC engineers, isn't that a great reference?

You are probably thinking that ASHRAE receives thousands of Technology Award applications, so chances of winning are so small that it would be a waste of time to apply. In fact, Society does not receive very many applications, and that is why Scott Wayland is always pestering you to submit your applications.

I imagine that the main reason that more applications are not submitted is that people never get around to completing the application. The same reason that many of us still have all of those photographs in a shoebox instead of in an album. But the two are different. Putting photos in an album will make it convenient to find them in the future, but it probably won't help you earn future business. Win a Technology Award and it can only help your business. Make the time to complete the Technology Award application

See Scott Wayland's TEGA article in this issue of the Fog Dispenser for more details on the Technology Award application process. Your applications are due by February 26th.

Our February meeting will be a dinner meeting in Oakland, at Scott's Seafood. USGBC Board member Kevin Hydes will discuss Barriers to Green Design. Hope to see you there.

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

Kevin Hydes Biography, continued

Since becoming President in 1999 he has encouraged all members of the firm to take up the challenge of building better buildings. Today, Keen is regarded as leaders in sustainability, with over 100 [LEED](#) Accredited professionals and they have worked on numerous [LEED](#) projects including three which are Certified GOLD.

Kevin is passionate about green design and believes in the need to change our industry to better use our finite resources. He has been involved with groups creating progressive policy in green development in Canada, the Pacific North West and California. Kevin is a Professional Engineer and currently sits on the [USGBC National Board](#) the Canada Green Building Council.

ADVANCED COOLING TOWER TECHNOLOGIES, INC.

We are proud to announce our recent appointment as the new representative for **EVAPCO, INC.** in the Greater San Francisco Bay Area.

We are a cooling tower focused company with over 50 years combined experience in the cooling tower industry.

In addition to **EVAPCO'S** outstanding cooling tower products, we represent:

- ❖ **Clearwater Systems, Inc.**
 - Non-chemical water treatment technology
 - Over 150 successful installations in Northern California
- ❖ **Griswold Controls**
 - Leading technology in centrifugal separator and sand filter systems
- ❖ **APV**
 - Plate heat exchangers for HVAC applications

ADVANCED COOLING TOWER TECHNOLOGIES, INC.

1470 Enea Circle, Suite 1760

Concord, CA 94520

(925) 808-6480 • (800) 773-0269 • Fax (925) 825-5035

RICK TASEFF

DAN DANIEL

KEN WOODARD

2004 Golden Gate ASHRAE Events

DATE	LOCATION	PROGRAM	SPEAKER
Mar. 4	Embassy Suites, San Rafael (Joint w/ R.E.)	Hybrid Central Chilled Water Plant Design and Operating Analysis	Ken Mozek, York International
Apr. 1	Pacific Energy Center	Science Fair and Scholarship Winners Product Show before Dinner	Students
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 (Jack London Square)	Spouse Night with Comic Relief	James "Jim" Giovanni

Student Activities Committee

By Gary Harbison, ASHRAE Golden Gate Chapter Student Activities Chair

Call for applications for the Golden Gate ASHRAE Student Scholarship Awards! The Eric Thor Andresen and Don Bryant Memorial awards are each \$1,500.00 and are available to full-time students, who are ASHRAE members, upper-division undergraduate or graduate students, and have not received a scholarship award previously while in school for the same degree. Application requirements are as simple as submitting an ASHRAE Form, writing a small essay and including your resume. Instructions on entering can be found at: <http://www.ggashrae.org/awards/index.htm>. The application deadline is March 19, 2004. Scholarship winners are requested to attend our regularly scheduled April 1, 2004 meeting.

We are providing our annual support of the Bay Area Science Fair, which will be held at the Hall of Flowers in Golden Gate Park from March 22-27, 2004. We will be judging on Thursday March 25, and the winners will be honored at our April 1 meeting.

National Engineers Week 2004 will be celebrated February 22-28. Once again, thousands of our fellow colleagues from all engineering disciplines throughout the country will be taking part in this exciting event. Web site for Engineers Week is www.eweek.org.

Cool Tools: We have available for your use in your child's school ASHRAE *Cool Science Kit*. There are 6 modules in each of the 3- presentations for Elementary (Grades 3-5), Middle School (Grades 6-8) and Junior/Senior High School (Grades 9-12). Modules explain the concepts of temperature, internal energy, thermal energy, methods of heat transfer & phase change, and hidden heat. Contact me at 510-266-7806 or GHarbison@CalHydro.com. if you have any questions and to reserve the ASHRAE *Cool Science Kit*.

ASHRAE Research Report

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)

Air Treatment Corporation

Individual Honor Roll Investors (\$100.00 or more)

Edgar DeGuzman

Deborah Marshall

Kevin Dowling

Thomas Reinarts

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

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 are due at the end of February!!!

As you know, last year our chapter had an outstanding participation in the Technology Awards. The TEGA Committee would like to encourage all members to start thinking about Technology Awards for this year. **Entries must be submitted to the Golden Gate TEGA Committee by February 26th 2004.** For more information including an application, go to: <http://www.ashrae.org/template/AssetDetail/assetid/25447>

Our chapter had an amazing turnout last year: 9 Chapter Awards, 6 Region X Awards and one Society Award (with two more possibly on the way next year)!!!

There are three stages of competition and awards: Chapter, Region and Society. The first step in this process is to submit your project to the chapter level competition.

First place winners from the Chapter competition move onto the Region X Award Competition. Then the Regional first place winners are eligible to move onto the Society competition.

Every year ASHRAE conducts the Technology Awards program to:

- Recognize ASHRAE members who design and/or conceive innovative technological concepts that are proven through actual operating data;
- Communicate innovative systems designs to other ASHRAE members;
- Highlight technological achievements of ASHRAE to others, including associated professionals and societies worldwide, as well as building and facility owners.

Each year Society presents awards in some of the thirteen categories: Commercial Buildings (New and Existing); Institutional Buildings (New and Existing); Health Care Facilities (New and Existing); Industrial Facilities or Processes (New and Existing); Public Assembly (New and Existing); Residential (New and Existing); Alternative or Renewable Energy Use.

For each category a first, second, and honorable mention winner may be named. Also, one of the category first place winners may be selected to receive the ASHRAE Award of Engineering Excellence. The recipient will have demonstrated the best overall compliance with the judging criteria.

Society's bar is set pretty high for the awards as indicated in the very short list of awards from the last few years.

The submitted project should be completed and occupied for one year by the due date for the Society award application - September 2004. Therefore, your project should have been occupied by September 2003. By that time there should be good measurement and verification data available. This is not a requirement for the Chapter award but it is a strong suggestion. This is a requirement for the Society award competition.

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

Minutes of January 8, 2004 Chapter Meeting

Location – Carnelian Room, Bank of America Building, San Francisco

- Meeting called to order at 12:00 p.m. by Bob Levi
- Self-introductions
- Approval of the Chapter meeting minutes from November 6 and December 4, 2003, as published
- Bob Levi announced that Mike Kisiday of Danville recently passed away. Mike was 67.
- Bob Levi gave a reminder that the annual ASHRAE/AHR Expo is in Anaheim this year, and will not be held on the West Coast for several years
 - Members are encouraged to attend the technical sessions
 - Bob Levi repeated his offer of a free one day ticket to the Technical Sessions.
 - You must be a member and you must have never registered for a Meeting before. If you are interested look at the Announcement on the web site and contact Bob Levi.
 - Bob Levi took an informal poll regarding the high turn-out for today's meeting
 - Bob Levi asked for a show of hands about reasons for attending the meeting
 - Is it because it is a lunch-time meeting?
 - Is it because of the speaker and topic?
- Robert Marcial announced that the PG&E Pacific Energy Center has suffered a severe reduction in funding by the CPUC
 - The PEC offers extensive training related to our industry, and hosts some of our meetings
 - Members are asked to visit the PG&E web site and give your support to continued funding of the PEC
- Robert Marcial announced that this year's roster will again be an electronic joint roster with the San Jose Chapter
 - Members should visit www.ggashrae.org and see FAQ # 3 to change their contact information
- Bob Levi announced several UC Berkeley Extension HVAC classes that start this spring
- Scott Wayland, TEGA Chair, explained the application and evaluation process for this year's Society Technology Awards
- Scott Wayland recognized Jeff Blaevoet for his firm's technology award from 2003
- Resource Promotion announcement by Jon Malkovich
- The speaker was Mark Hydeman of Taylor Engineering: 2005 Title 24 Non-Residential HVAC measures
- Marble Draw – Prizes sponsored by E. B. Ward. Mike Scofield drew for the grand prize, but didn't win
- Next month – Feb. 5th, at Scott's Seafood in Oakland – Kevin Hydes of Keen Engineering will talk about Barriers to Sustainable Design.
- Meeting adjourned at 1:45 p.m.

Respectfully submitted, Cory Palmer, Chapter Secretary

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. The Roster will be accessible at a password-protected part of the Golden Gate Chapter's website. Once the Roster is posted on the website, all members from San Jose and Golden Gate that are current on their dues will receive an e-mail with the website address and password to access the Roster.

There are several advantages we see in creating a joint electronic Roster including:

- 1) The directory will apply to the entire Bay Area and most of us have contact with members in both chapters.
- 2) The electronic format will make it easier for our members to access the phone numbers.
- 3) The electronic format enables advertisers to use color to promote their products and services.

The Chapters have agreed to charge \$400 for each full-page (8.5"x11") advertisement. There will be no half or quarter-page advertisements. We are excited about our new plan and we hope that your company will advertise with us this year. **The deadline for receiving new advertisements is Friday, January 30, 2004.** To advertise in the upcoming Roster, please contact Sargon Ishaya at 408.347.3400 or sishaya@therma.com.

As a reminder, please be sure your local and national dues are paid in order to be notified about the roster and to be included in the roster. Has any of your contact information changed in the past year? You can verify or change your contact information at www.ashrae.org or by calling 1-800-5-ASHRAE (800-527-4723). Note that all contact information changes must be made through ASHRAE's national headquarters. The local Chapters DO NOT keep their own database. The roster information is downloaded from national headquarters by your local chapter once per month. Because this is your private information, the Chapter cannot make any changes to your personal profile.

2004 Product Show

Mark your calendars for the Annual Product Show at the PG&E Pacific Energy Center on Thursday, April 1st. Watch this column next month for more details.

Marble Draw

Thank you to the Edward B. Ward Company for sponsoring the Marble Draw prizes at the January meeting. The special marble was not picked, so the Marble Draw pot rolls over to next month, although Mike Scofield did get the top prize of the meeting. The Pot is now worth well over \$1,000 for February's drawing. If you would like to sponsor the prizes for future Marble Draw raffles, please contact Nicolina Guiliano at nicolina.j.guiliano@jci.com

From the Chapter Historian

Thomas R. Simonson – GGASHRAE Biography

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

Before discussing Tom, I have to mention his father G. M. Simonson. Although I don't remember meeting him, I think he was called "Met". G. M. Simonson was the second and third president of the Golden Gate Chapter of ASHVE from 1938 to 1940. He started his consulting business in 1924. As president of the State Board of registration, he signed my California Professional Engineer Certificate in 1961.

Now back to Tom. He joined his father's business in 1952 and took over the firm in 1974. The business was known as G. M. & T. R. Simonson.

Tom has a doctorate in Chemical Engineering, probably from the University of California at Berkeley. While there, he was the drum major for the marching band.

Tom was the very first ASHRAE Golden Gate Chapter president in 1959-1960 (after the merger of ASHVE and ASRE). He was a tall, handsome man who almost always wore a dark gray suit. He presented an impressive figure while at the podium addressing an audience.

Tom was the Chairman of the State's committee that prepared, over a several year period, California's Regulation Establishing Energy Conservation Standards for New Residential Buildings and Non-Residential Buildings. Although most of the sections had already been adopted, it was officially adopted as a complete document on July 26, 1978. This committee first served as the California Energy Resources Conservation and Development Commission (CERCDC) which then became the California Energy Commission (CEC). These first standards, now revised, appear in California's Title 24.

Tom was an early user of the computer in his design practice. One example was for identifying piping segments, by codes on the drawing plans and indicating related pipe sizes on drawing schedules. This met with mixed reviews in the industry.

Tom's impressive list of projects includes a number of San Francisco high-rise buildings. One was the John Hancock building, which housed the Engineers Club of San Francisco, where many ASHRAE meetings were held until it was closed. Another better known is the Transamerica Pyramid building. Tom also designed Stanford University's first Chilled Water Storage facility in a large open pond.

The Golden Gate Chapter thanks you Tom Simonson for your contributions to ASHRAE and our industry.

(Information from the memories of Karl Guttman and the author, in addition to the Chapter's 1994-1995 Centennial FOG Dispenser. ASHRAE currently does not have an official biography on file for Thomas R. Simonson)

IN MEMORIAM

Miklos (Mike) J. Kisiday – Died in September 2003. He was 67 years old and a resident of Danville.

Employment Opportunities

Mechanical Engineer Position Available

Dynamic and growing Sacramento Valley consulting firm with a reputation for quality engineering and exceptional service seeks an engineer with 8 to 15 years of HVAC experience to design and manage commercial, healthcare, office, high tech, educational and sustainable projects. BSME and P.E. required. We believe in hiring talented professionals that are energetic, motivated and responsive. We offer great opportunities for growth and a relaxed work environment. Excellent salary and benefits.

Email resume to info@eclipse-mech.com or fax to (916) 985-0833.

Taylor Engineering is looking for highly self-motivated HVAC and plumbing design engineers with strong confidence in their ability to join our team of well educated and experienced professionals. Prospective HVAC candidates must have a degree in mechanical engineering or a related degree, a thorough understanding of thermodynamics and fluid flow fundamentals. All applicants must have excellent presentation and writing skills, and must be PC literate and have a working knowledge of Windows, Word, Excel, and AutoCAD. Design/build or field experience is also desirable. Excellent work environment in Alameda. High salaries for top performers.

[Taylor Engineering](#) values commitment to continuous improvement, in-house education, professionalism, pride in our designs, practical and efficient use of technology, and industry leadership. We specialize in innovative large building HVAC, plumbing, fire protection and control system design, energy and indoor air quality analysis, and system commissioning.

Forward resume to: Glenn Friedman, Taylor Engineering, 1305 Marina Village Parkway, Suite 101, Alameda, CA 94501-1028. Fax: 510-749-9136. E-mail: gfriedman@taylor-engineering.com

Axiom Engineers, Inc., one of Central California's largest consulting engineering firms, is looking for two experienced engineers for commercial, institutional, and healthcare facility design work. One position is a design engineer in our Monterey office; another is a branch manager for our Napa office. Candidates must be able to develop design concepts, work under general supervision and direction, communicate with clients, and meet deadlines.

Ideal candidates will possess:

- Outstanding technical and communication skills
- Ability to work efficiently and effectively with multiple projects and priorities
- Ability to mentor and train less exp staff
- Skills required for progressive advancement
- 5+ yrs exp in HVAC and plumbing engineering
- AutoCAD proficiency
- BSME/EIT/PE preferred

Send resume as a Word attachment to: mail@axiomengineers.com

Or mail resume to: HR, Axiom Engineers, Inc. 2511 Garden Rd. #A140, Monterey, CA 93940
30 Years Strong, Offices in Monterey, Napa, and Santa Cruz

ASHRAE GOLDEN GATE CHAPTER - DINNER RESERVATION FAX

For Thursday, February 5th

Please reserve prior to **Monday at noon, February 2nd.**

Please reserve on-line by visiting www.ggashrae.org and click on "Meetings", and click on "Feb 5", 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 February 2nd.

FROM: _____
COMPANY: _____ Phone: _____
Please make _____ reservation(s) for the following people (fill in names below):
_____ Meal Choice _____
_____ Meal Choice _____
_____ Meal Choice _____
Choice of meal for the meeting are: Salmon, Chicken, or Vegetarian

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.**



President Bob Levi, Steve Blanc, Jeff Blaevoet, & Mark Hydeman



Jon Malkovich and Elizabeth Dubensky



Mike Rubio and Kreyne Sato



Dennis Leung and Mike Scofield



Scott Wayland discusses the Technology Awards



Kristin Vogt and Stacy Dyke



Speaker Mark Hydeman discusses the 2005 Title 24



Nicolina Guiliano allows Mike Scofield to draw for the Marble Game