

FOG DISPENSER

Golden Gate Chapter



ASHRAE

VOLUME XLIV - NUMBER 1

OCT 2005

October Meeting Details

Note that this month's meeting is a ***lunch*** meeting.

Date: Thursday, October 6, 2005

Place: Pacific Energy Center, San Francisco
(www.pge.com/pec)
851 Howard Street between 4th and 5th St.

Schedule:

- 11:30 AM – 12:00 PM: Registration and social hour
- 12:00 – 12:40 PM: ***Lunch*** with announcements and introductions
- 12:40 – 12:45 PM: Break
- 12:45 – 1:30 PM Main program

Cost: \$40 for members and guests reserved by Thursday, September 29 at noon.

Students – No charge, but please reserve a spot.

Voucher holders – No additional charge, but please reserve a spot. Purchase 8 meetings and get 9 for \$320.

\$47 for non-members and late reservations/at the door for members.

\$50 for late reservations/at the door for non-members

Please make your reservation via our website. Visit the Event Calendar at <http://www.ggashrae.org/calendr.htm>, click October 6, and fill out and submit the form. Or fax the form on page 13 to Jeff Blaevoet at 415-625-0735.

Remember – if you make a reservation and cannot attend, you need to cancel by Thursday, September 29 at noon, or you will be billed.

October Program

Integrated Building Design

Panel Discussion
moderated by Glenn Friedman



Left to right: Henry Siegel, Jeff Blaevoet, and Scott Shell.

Panel Speakers:

Henry Siegel (Siegel & Strain Architects)

Jeff Blaevoet (Guttman & Blaevoet Consulting Engineers)

Scott Shell (EHDD Architecture)

Green design recognizes the benefits of integrated building design. Integrated design brings together important participants in the design of buildings. This panel discussion explores the role of the mechanical engineer in integrated design.

Speaker Biographies page 3

Golden Gate Chapter President's Message, October 2005

It's About Time!

We've all heard the statistics about how much of our lives we spend doing various things: standing in lines, sitting in traffic, watching television, and other activities. On a recent plane flight for a business trip, I estimated the number of hours I've spent on ASHRAE activities. The number I calculated is 502 hours. That's 502 hours of my life working on ASHRAE activities, not including chapter meetings (I estimate chapter meeting time at 189 additional hours). Okay, so I've spent 502 hours doing different things for this organization, so what do I have to show for it? After all, 502 hours is a lot of time, considering the demands on our time we face from family, work, friends, and that elusive concept of leisure. In fact, while the Chapter breaks from July through September, the Board of Governors has been meeting monthly through the summer to plan this year's meetings, recruit committee chairs, file tax documentation, plan for the seminar, and other necessary planning to keep the Chapter running smoothly.

My ASHRAE involvement has benefited me on a personal and a professional level. From a professional standpoint, I've learned – and I am continuing to learn – valuable leadership and organizational skills. My various ASHRAE Chapter positions over the years leading to Chapter President have improved my time management habits, made me more comfortable speaking in front of a group of local business leaders, and introduced me to valuable business contacts. In fact, I met my employer through an ASHRAE relationship.

On a personal level, I've had the satisfaction of awarding thousands of dollars in student scholarships, established friendships with people I met through ASHRAE, and enjoyed being part of a hard-working team of volunteers who manage this not-for-profit organization. Working on the Golden Gate Chapter Board of Governors over the years has exposed me to different leadership styles of the different Chapter Presidents, and I've learned from each of them. ASHRAE is interesting because it brings together the various realms of work within our industry: engineer, contractor, architect, sales, academic, student.

I'm sure very few people in our busy industry feel as though they have an abundance of spare time – I know I don't. But I don't regret giving those 502 hours to ASHRAE and I encourage you to consider giving the Chapter some of your valuable time this year. Whether you make an effort to come to every Chapter meeting, volunteer to help as a committee chair, or spend a few minutes encouraging someone new to your company to get involved, I don't think you'll ever regret the time spent.

As we prepare for our first Chapter meeting of the 2005-2006 year, I am honored to serve as Chapter President and I look forward to interesting program topics at Chapter meetings, our annual meeting with the San Jose Chapter in December, seeing familiar faces the first Thursday of every month, and meeting new people. Please do let me know if you have any time to volunteer or any suggestions on how we can make the Chapter more useful to you, our valued Chapter members.

*Respectfully submitted,
Cory Palmer, Chapter President*

Announcement

Debbie Marshall notified the Board on September 13 of her resignation from the Board of Governors of the Golden Gate Chapter. The Board accepts Debbie's resignation and appreciates Debbie's service to the Chapter over the years. The Board of Governors intends to have Robert Marcial serve as Treasurer this year, as planned. Jeff Blaevoet will serve as Secretary two years in a row, and we intend to fill two Board positions in the spring. We'll miss you Debbie, we wish you the best, and we hope to see you at Chapter meetings in the future!

October program continued — Panel speakers biographies

Henry Siegel, FAIA

Henry Siegel is founding principal of Siegel & Strain Architects in Emeryville, California. Siegel & Strain is recognized as a leader in sustainable design; the firm has won five national and several regional awards for sustainable design and research in the past five years. Mr. Siegel's interest in environmentally considered design began when he was a graduate student; in the late seventies he won a National Student Energy Conserving Design Competition sponsored by the American Institute of Architects (AIA). On three occasions the National AIA Committee on the Environment (COTE) has selected the firm's work for inclusion in its list of Top Ten Green Projects of the Year. Mr. Siegel served on the jury for this national award in 2005, and has recently joined the national Advisory Group for COTE. Siegel & Strain has received over twenty-five other significant awards for general design excellence for these and other projects; these additional awards demonstrate that sustainable design can also be good design and vice versa.

Henry Siegel founded Henry Siegel Associates in 1985. The firm became Siegel & Strain Architects in 1991 when Mr. Strain became a partner. Prior to starting his own firm, Mr. Siegel was an associate in the office of William Turnbull Associates in San Francisco, where he worked on many award-winning projects. He attended Columbia University, received his Bachelor of Arts from Bennington College and his Master of Architecture degree from the University of California, Berkeley. He has taught sustainable design and design studios in the School of Architecture at University of California, Berkeley, and has spoken widely on ecological design and the work of the firm. He currently serves as a member of the University's Design Review Committee.

Jeff Blaevoet, P.E.

Jeff joined Guttman & Blaevoet as Principal in 1996, bringing over 20 years of experience in the design of mechanical systems for commercial and industrial buildings, hospitals and laboratories, and various facilities for university clients. Jeff has specialized expertise in innovative applications for energy conservation and sustainable design. He is a leader in his field, having designed award-winning systems that exhibit exceptional energy savings and utilize unprecedented concepts and technology. He helped to pioneer the use of underfloor technology in the United States. He proved the cost effectiveness of the principle in a series of pilot projects for the California State Automobile Association (in association with PG&E), which led to the system's successful implementation in numerous subsequent projects in a variety of building types. As a principal in the office, he is an invaluable resource for energy-saving design techniques, providing insight and direction to the firm's many diverse projects. Jeff has received numerous awards for this work, including Efficient Building Awards from Energy User News, Integrated Engineering Awards from Consulting-Specifying Engineer, an Intelligent Building Award from the Intelligent Building Institute, and ASHRAE Technology Awards.

Scott Shell, AIA

Scott Shell is a Senior Project Manager at EHDD specializing in educational projects including housing, laboratories, libraries, and schools. Recent projects include the CSU Monterey Bay Library, Chartwell School, and the Global Ecology Research Center for the Carnegie Institution of Washington. Scott directs the firm's sustainable design efforts, with a particular emphasis on creating beautiful and comfortable spaces for people to enjoy. This includes excellent natural lighting, thermal comfort, and indoor air quality, all while significantly reducing the environmental impacts of energy use, carbon emissions, and materials selection. Scott received a Bachelor's degree in Architecture from Auburn University, a Master of Arts in Humanities from Stanford University, and studied South Asian languages and cultures at the University of Chicago and the American Institute of Indian Studies.

Norman S. Wright Corporation Proudly Supports ASHRAE Research



NORMAN S. WRIGHT MECHANICAL EQUIPMENT CORPORATION

99A South Hill Drive ♦ Brisbane, CA 94005 ♦ (415) 467-7600

San Francisco ♦ Santa Clara ♦ Santa Rosa

ASHRAE Research Report

Johanna Gustafsson, Resource Promotion Chair, GG ASHRAE

2004/2005 Research Promotion Annual Report

Congratulations and thank you to those individuals and firms that made Golden Gate the highest donating Region X chapter in 2004-2005. We reached 112% of our goal at \$18,688.

A special thank you to our honor roll investors listed below:

Platinum Donors (\$1,000+)

California Hydronics Corporation
Flack + Kurtz

Norman S. Wright Mechanical
York International Corp

Corporate Honor Roll (\$250+)

ACCO Engineered Systems
Advanced Cooling Tower Technologies
Belimo Air Controls
Sulzer Pumps
Syserco

Guttman & Blaevoet
Edward B. Ward & Company
The Trane Company
Air Treatment Corporation
RF MacDonald Company

Ted Jacobs Engineering Group
Saric Engineering Enterprises Inc
Taylor Engineering

ASHRAE Research Report continued

Individual Honor Roll (\$100+)

Edgar DeGuzman	Donald Lucas Jr.	Kil Woong Yi	Al Clancy
Bob Levi	Debbie Marshall	Richard Yates	Thomas Gilbertson
Robert Marcial	Kevin Dowling	Jon Malkovich	Steven Guttman
Cory Palmer	Kent Man Lim	Johanna Gustafsson	Michael Nichols
Jon Wintermeyer	Richard Charles	Thomas Reinarts	Jack Palmer
Glenn Friedman	Jeff Blaevoet	Mark Hydeman	Wasil Popow
Dr. Max H. Sherman	Shlomo Rosenfeld	Robert Sonderegger	Mike Scofield
Carl Jordan	Dennis Thompson	Gary Harbison	Steve Taylor

I'm looking forward to another great year with the Golden Gate Chapter and the continued support from its board members, local firms and individuals. This will be the most challenging year yet, as I will be working towards a new 2005-2006 goal of \$29,601.

Please contact me if you are interested in sponsoring one of the *Fog Dispenser* issues; all advertisement slots are currently available.

To make a contribution towards the 2005-2006 campaign, please contact me via phone or e-mail. Thank you and see you at the next meeting!

Johanna Gustafsson, johanna@norman-wright.com, 415-715-7259

Chapter Technology Transfer Committee (CTTC)

Scott Wayland, ASHRAE Golden Gate CTT Committee Chair

Please check out the committee website at <http://ggashrae.org/cttc> and the past fog columns for more information. Society's Technology Transfer page is just one of many outstanding improvements recently to the national website. Check it out!!! <http://www.ashrae.org/template/AssetDetail/assetid/25424>

Technology Awards

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.

The 2005 Chapter Awards will be due in February. Please see our CTTC website or the following links for more info. <http://www.ashrae.org/template/AssetDetail/assetid/25447>

<http://xp20.ashrae.org/STANDCOM/ShortForm.pdf>

If you are thinking about submitting a project, start thinking about how to get the owner or client's approval now!

2005 Title 24

On October 1st, the new 2005 Title 24 Part 6 Energy Standards go into effect. See the Energy Commissions website <http://www.energy.ca.gov/title24/2005standards/index.html> for more info. Also, if you use EnergyPro, you must contact www.energysoft.com to get your update.

Join the CTT Committee

If you like to assist the chapter and get involved with ASHRAE, the CTT committee is one of the best places and could use your help. Talk to a board member or contact Scott Wayland at sewayland@comcast.net

Student Activities

Gary Harbison

A new year has come and ASHRAE is happy to announce the 2006 Senior Undergraduate Project Grant Program and the 2006 Student Design Project Competition.

The 2006 ASHRAE Senior Undergraduate Project Grant Program provides grants to engineering, technical and architectural schools worldwide with the goal of increasing student knowledge, learning and awareness of the HVAC&R industry through the design and construction of senior projects. Grants are to be used to fund equipment and supplies for engineering or architectural senior projects and 2-year technical school projects that focus on ASHRAE-related topics. Grants may cover projects lasting from one academic term up to one year. For more information, reference: <http://www.ashrae.org/template/AssetDetail/assetid/23637>. For the application, reference: http://www.ashrae.org/content/ASHRAE/ASHRAE/ArticleAltFormat/200572885635_347.doc

The deadline is December 1, 2005. Applications will only be accepted in electronic format – please see application requirements.

The 2006 Student Design Project Competition will focus on high rise residential buildings: one residential building will be in Dallas, Texas (USA) and the other will be located on your own college campus. The HVAC system selection and design segments will focus on the residential renovation of the 20 story historic Dallas Power & Light (DP&L) Building at Commerce and Browder streets in the heart of the Dallas, Texas central business district. The architectural segment is an architectural design for a mixed-use development on your own campus. The design will respect the relationship of academic enrichment to the students' needs, including the nature of community life, and the establishment of a social center with the setting of your campus. Visit the [ASHRAE Student Zone](#) for more information about the project, entry instructions and deadline schedule, and the three program categories: HVAC System Design, HVAC System Selection, and Architectural Design.

Change of Address?

All members who wish to make changes in their membership data (change of email address, change of address or change of employer are the most common) must make those changes through the national ASHRAE site <http://www.ashrae.org/>.

THE GOLDEN GATE CHAPTER CANNOT MAKE THESE CHANGES FOR YOU.

In order to change your membership data, you will need your ASHRAE member number and confidential PIN number, both of which are on the ASHRAE card issued to you each year. Go to the national site <http://www.ashrae.org/>, select the Membership tab, then select Manage your Membership. If you don't have your PIN or membership card, please call Customer Service Section: 1-800-5-ASHRAE (US and Canada).

Golden Gate Chapter Membership

Amy Cervantes, Membership Chair

A Healthy Chapter is a Growing Chapter: Top Five Reasons People Join ASHRAE

A recent Society survey listed the following as the main reasons members join and maintain membership in ASHRAE:

To receive technical/educational publications	82.6%
To support the HVAC&R profession	72.1%
To receive the ASHRAE Journal	60.7%
To be knowledgeable in area of Technical Standards	53.0%
Networking Opportunities	43.7%

Why did you join? As a member, what can you do to help grow our chapter?

As Membership Chair, I have the honor of recruiting new members, maintaining current memberships and upgrading member / student status. To kick off a new and exciting year for our chapter, I am asking for your help. One way to help is by taking advantage of the **Member-Get-A-Member Program**.

For each new member (including members, associate members, and affiliate members) that a current member recruits, the recruiting member will receive the following incentives:

- \$10 ASHRAE Gift Certificate
Certificate can be used for ASHRAE logo merchandise / publications, applied towards registration to any Society event (convention registration fee, seminar fee*, short course*, etc.) or even toward annual dues.

- The month following your new member's application, you will be placed in a random drawing with the chance to receive a \$40 ASHRAE Gift Certificate.

NOTE: The more new members you recruit, the greater your chances of winning.

- One Grand Prize will be awarded at the end of the Society year. This again will be a random drawing of the recruiters' names that have been put into the "hat" during the entire 12 month campaign. The Grand Prize is a **\$150 ASHRAE Gift Certificate**.

The more new members an existing member recruits, the greater their chances of winning.

This is a very interactive committee and I could use several volunteers to help ensure our chapter is a success. If you would like to get involved with our chapter and are looking to network and meet new people, please contact me directly at amy.cervantes@us.belimo.com to help.

From the Chapter Historian

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

Our Design Temperature Publications

Climatic Data For Region X – Arizona, California, Hawaii, Nevada, ASHRAE Publication SPCDX, Fifth Ed., May 1982, is our best source of western city-by-city outside air design temperatures. And, it has quite a history.

It began in 1963 as *Recommended Outdoor Design Temperatures – Northern California* to complement a similar document published by the Southern California Chapter. It was published by our Golden Gate Chapter when Don Delaney was our President and Irving Alger was chair of our Technical Committee. G.M. and T.R. Simonson encouraged and assisted with the publication of our document.

Its “recommended” summer design temperatures were those values that were exceeded 2½% of the hours during June through September; except for 1% of the hours for coastal and bay area cities. Winter values were those that were exceeded 97½% of the hours during December through February.

At our Nov. 7, 1963 Chapter meeting, there was a panel discussion to discuss weather data. Jack Kniveton was our President. The panelists were our Irving Alger, Kenneth Ainsworth from Sacramento and Bill Holiday from L.A. Bill was Chair of Society’s TX-2.2 “Weather Data and Design Conditions” and would later become our Society President.

The Second Edition, in 1965, was done under the leadership of President Tom Brewer and, again, Irving Alger. Its format changed to give summer temperature values that were exceeded 1%, 2½% and 5% of the summer hours. Winter values were those below 1% and 2½% of the winter hours.

In the Sept. 1973 *ASHRAE Journal*, past Society President Bill Holiday presented “Suggested Revision of Weather-Data Design Temperatures.” Here he recommended changing from percentages of summer and winter hours to percentages of annual hours.

The Third Edition in 1977, presented data similar to that in the Second Edition. Our President was Gene Valerio and, again, Irving Alger chaired our Technical Committee. I have no information regarding a Fourth Edition.

The Fifth Edition, in 1982, changed the data so that, as recommended by Bill Holiday, the summer temperatures were those exceeding 0.1%, 0.5% and 2.0% of the hours in a full year and the winter values were below 0.2% and 0.6% of the hours in a full year.

For the 1982 Ed., our President was Bob Phillips. A Weather Data Committee, chaired by Dick Charles included Tom & Adele White, Jim & Julie Taylor, Gus Gendler and Roy & Virginia Gifford. A Coordination Committee, chaired by Jim Nemechek, included Jim Holden and Jim Taylor.

In 1994, the Southern California Chapter issued a Supplement to add 271 cities whose size had grown to be large enough for inclusion in the data. Its preface was written by Bill Holiday.

I also recall that Loren Crow, ASHRAE Fellow, and Fred Kohloss, a Society President, were significant contributors to our publication.

In 1976, the California Energy Resources Conservation and Development Commission (CERCDC) adopted our document, by reference, into its . . . *Energy Conservation Standards . . . for Buildings*. In 1982, the California Energy Commission adopted our Fifth Edition, 1982, in its State Building Code, Title 24. In subsequent years, up through 2001, it has re-adopted our Fifth Edition.

2005 - 2006 Event Calendar

<i>Date</i>	<i>Venue</i>	<i>Presentation Topic</i>	<i>Speaker</i>
Thursday, Oct 6 Lunch	Pacific Energy Center, S.F.	Integrated Building Design, (Panel Discussion Moderated by Glenn Friedman)	Henry Siegel (Siegel & Strain Architects), Jeff Blaevoet (Guttmann & Blaevoet Consulting Engineers), Scott Shell (EHDD Architecture)
Thursday, Nov 3 Student Night	Pacific Energy Center, S.F.	DDC Retrofits	Tom Hartman, The Hartman Company
Thursday, Dec 8 Joint Meeting with San Jose Chapter	San Mateo Marriott	Pre-Meeting Talk: Virtual Chiller Plant Meeting Talk: Indoor Environment	Pre-Meeting by Verle Williams, ASHRAE Director Regional Council and Distinguished Lecturer Meeting by Jan Sundell, Distinguished Lecturer
Thursday, Jan 12 Lunch	Carnelian Room, S.F.	Title 24 – 2005 (Tentative)	TBD
Thursday, Feb2, 2006 Student Night	Scott's Seafood, Oakland	Controls / Retro-Commissioning(Tentative)	David Sellers, Portland Energy Conservation, Inc.
Thursday, Mar 2 Joint Meeting with Redwood Empire Chapter	Embassy Suites, San Rafael	HVAC Design Tools	John Kennedy, Green Building Studio, Inc. (formerly GeoPraxis)
Thursday, Apr 6, 2006 Product Show and Student Awards	Pacific Energy Center, SF	Product Show and Student Night and Science Fair award winners	Various Products, Student Science Fair Winners and Golden Gate Chapter Scholarship Recipients
Thursday, May 11, 2006 Lunch/Field Trip	San Francisco Culinary Academy	Tour of the new naturally ventilated high-rise San Francisco Federal Building	Field Trip
Thursday, Jun 1 Spouses Night	Carnelian Room, S.F.	Spouse and Significant Other Night	General Interest Speaker: TBD

Minutes of GG Chapter Meeting June 2, 2005

Carnelian Room, San Francisco

- The meeting started at 5:30 PM with a social hour.
- Dinner was served at 6:30 PM.
- Following dinner were self introductions by members and Guests of the Golden Gate Chapter.
- President Jon Wintermeyer started the announcements at 7:10 PM.
- The Golden Gate Chapter ASHRAE Past Presidents stood up and were recognized for their past service to the chapter.
- Secretary Glenn Friedman, incoming President Elect, discussed the ballot for meeting topics for the 2005-2006 year.
- Johanna Gustafsson gave an update about Research donations
- President Jon Wintermeyer reminded everyone about the Golden Gate Chapter Golf outing on July 8th at Boundary Oaks in Walnut Creek.
- President Jon Wintermeyer announced ASHRAE Research checks for 2004-2005 year:
 - Golden Gate Chapter donated \$4,000
 - Tom Weaver, Presented the Redwood Empire Section donation of \$1,000
 - Past President Tom Gilbertson donated \$1,000
- President Jon Wintermeyer presented the June Meeting Awards from the Region X CRC:
 - Past President Bob Levi
 - Region X Director's Cup Award
 - President of Golden Gate Chapter for the 2003-2004 year Presidential Award of Excellence from Society
 - Society Ribbon for Chapter Operations Highest Points Level 4
 - Society Award to Golden Gate Chapter Board for Full Circle Participation 2003-2004
 - Board Member Robert Marcial - Region X Sukhdev Mathaudhu Honorary Award Best Chapter Website for 2004-2005 year
 - Scott Wayland (not present) - Region X Best CTTC Chair for 2004-2005 year, Society Ribbon for TEGA Highest Points Level 4
 - Past President Carl Jordan - Society Ribbon for History Highest Points Level 4
 - Johanna Gustafsson - Society Ribbon for Resource Promotion Highest Points Level 4
 - Steve Guttman - Region X Technology Awards First Place for both the Public Assembly - New & Existing
 - Gary Harbison (not present) Student Activities Chair Award
 - President Jon Wintermeyer - Region X Chapter Award for establishing a new student Chapter at Cal Maritime, and Outstanding Achievement in Scholarship Programs
- President Jon Wintermeyer announced the Golden Gate ASHRAE donated \$500 to Professor Jesse Maddren, Student Advisor, Cal Poly San Luis Obispo, for their Solar Team's Project submission expenses for Summer 2005.
- President Jon Wintermeyer discussed the history of the chapter and gave a personal thank you to Past President Carl Jordan for his contributions as the chapter historian. Carl Jordan recognized Past President Tom White for his prior historian contributions.

Minutes of GG Chapter Meeting continued

- President Jon Wintermeyer presented the Golden Gate Chapter Award Certificates:
 - Past President Carl Jordan Historian
 - Johanna Gustafsson Research Promotion
 - Kristin Vogt Marble Draw
 - Edgar DeGuzman Marble Draw Guru
 - Pacific Energy Center Chapter Support
 - Past President Mark Hydeman Honors & Awards
 - Scott Wayland (not present) CTTC
 - Gary Harbison (not present) Student Activities
 - Max Sherman (not present) Seminar
 - Therese Peffer (not present) Fog Dispenser Newsletter
 - Kirk Peterson (not present) Golf
 - Amy Cervantes (not present) Membership
 - Daniel Droubay (not present) Product Show
- President Jon Wintermeyer passed the Chapter gavel to Incoming President Cory Palmer (Secretary Glenn Friedman filling in for President-Elect Cory Palmer).
- Secretary Glenn Friedman introduced the featured speaker Arj Barker, Comedian.
- Kristin Vogt did the Marble Draw. No one won the pot.
- The meeting adjourned at 9:10 PM.

Minutes by Glenn Freidman

Employment Opportunities

HVAC Design Engineer (posted 8/18/05)

Rumsey Engineers of Oakland, California is seeking a world-class HVAC Design Engineer with 5 to 10 years of experience in energy efficient design. The right candidate must be a registered mechanical engineer and a LEED accredited professional. This person must also have worked on the design of at least 3 or more sustainable buildings and be a team player.

If you possess a highly technical skillset with the above requirements and want to make a change in creating a better stream rather than just changing horses in it, please send us a cover letter and your resume to: cbonner@rumseyengineers.com for our consideration.

Rumsey Engineers is an equal opportunity employer. We offer competitive benefits and encourage diversity in our office.

Outside Sales Engineer (posted 7/31/05)

We are seeking an outside sales engineer for our Hayward Corporate Office for the sales of HVAC circulating pumps, booster pumps, fire pumps, heat exchangers, and related accessories primarily to mechanical contractors. Sales engineer will proactively call on contractors and specifying engineers to develop long-term relationships and generate sales prospects for assigned product line.

We are looking for a seasoned professional with working knowledge of HVAC market. Candidate must have the ability to perform sizing and application calculations to assist engineers and contractors in proper equipment selection. This position requires a mix of business development skills as well as sales ability. Must be a "self-starter" and exhibit a high level of output with minimal supervision.

Very competitive compensation to be disclosed at the time of interview. Submit cover letter and resume to human.resources@rfmacdonald.com. Contact: Alain Descoins at (510) 774-6407. Visit our website at www.rfmacdonald.com

Associate Mechanical Engineer

Pacific Gas and Electric Company is seeking an Associate Mechanical Engineer for the San Ramon, CA office.

You will work on projects to evaluate the effectiveness of customer energy efficiency options and to evaluate the performance of equipment and systems in power generation facilities, or other company facilities. This may include working in the field or lab to perform engineering analysis or testing, and writing reports on the results.

Requirements:

2+ years of mechanical engineering experience with emphasis on energy efficiency testing and analysis. Strong technical writing skills. B.S. in mechanical engineering, with emphasis in thermal sciences.

To apply, go to www.pge.com/careers and search for "mechanical" under keywords on the management and professional jobs Search Page. Job Number P000410. Equal Employment Opportunity, M/F/D/V

ASHRAE Golden Gate Chapter – Lunch Reservation Fax

For Thursday, Oct 6th

Please reserve prior to Thursday, September 29th at noon.

Please reserve on-line by visiting <http://www.ggashrae.org/calendr.htm> click on Oct 6, fill out the form and submit. Or FAX this page to Jeff Blaevoet at 415-625-0735.

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.

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 a PayPal account. You may pay for your meetings using your credit card if you have a PayPal account. It's a very simple process. You can also use your credit card to purchase a season voucher. The voucher is the price of 8 meetings (\$320), but is good for all 9 meetings.

- 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.

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.

Photos from Golden Gate chapter June meeting



Left: President Jon Wintermeyer presents Carl Jordan the Society Ribbon for History Highest Points Level 4



Right: President Jon Wintermeyer Presents Chapter Awards to Past-President Bob Levi



Left: President Jon Wintermeyer presents Johanna Gustafsson Society Ribbon for Resource Promotion Highest Points Level 4



Right: President Jon Wintermeyer presents Robert Marcial the Region X Sukhdev Mathaudhu Honorary Award Best Chapter Website for 2004-2005 year



Left: President Jon Wintermeyer presents Steve Guttman the Region X Technology Awards



Right: Secretary Glenn Friedman presents the out-going President Jon Wintermeyer his Past-Presidents name tag



Left: Speaker Arj Barker, Comedian



Right: Tom Weaver From the Redwood Empire Section Presented a Donation Check to Johanna Gustafsson