

FOG DISPENSER

Golden Gate Chapter



ASHRAE

VOLUME XLV - NUMBER 4

JAN 2007

January LUNCH Meeting Details

The first meeting of the year is a lunch meeting on the *second* Thursday of the month.

Date: Thursday, Jan 11, 2007

Place: The Carnelian Room
52nd floor, 555 California Street,
Bank of America Building, San Francisco.
Take an express elevator from the Montgomery
Street entrance level to the 52nd floor.
415-433-7500

Schedule:

11:30 AM: Registration and social hour
12:00 PM: Lunch with announcements and
introductions
12:40 PM: Break
12:45 PM: Main program/presentation
1:30 PM: Adjourn

Cost:

	Before noon Fri., Jan 5	After noon Fri., Jan 5
ASHRAE members	\$40	\$47
Non-members	\$47	\$50
Students	Free with registration	
Voucher holder	Free with registration	

Please make your reservation via our Web site. Visit the Event Calendar at www.ggashrae.org/calendr.htm, click January 11, and fill out and submit the form. Purchase your voucher at the meeting or online using your credit card and PayPal after you submit the form. The season voucher is \$320 for members; that's 9 meetings for the price of 8. The voucher is transferable among co-workers and may be used for student sponsorship.

Remember – if you make a reservation and cannot attend, you need to cancel in advance, or you will be billed. Scott Wayland will be taking reservations. If you need to CANCEL, please send a message to Scott at cancellation@ggashrae.org.

January Program

How to Protect Yourself from Being Involved in a Problem Project: A Balancing and Commissioning Perspective



Presented by members of the National Environmental Balancing Bureau (NEBB):

Vic Congi (left)

Carter Air Balance, Napa

Bill Jeffrey (right)

DPR Construction, Inc., Redwood City

Ever have a project go wrong? Equipment won't balance? Problems with the report? Why do you have problems on a certain project? Not the right specs? Not the right balancer? Not the right design criteria? How can you avoid these costly delays? Attend this luncheon to find out how to avoid and correct these problems.

NEBB certified supervisors, Vic Congi, owner of Carter Air Balance and Bill Jeffrey, engineer with DPR Construction will be presenting "How to Protect Yourself from Being Involved in a Problem Project." Real life projects, pitfalls and remedies will be discussed. *Biography of Speakers on page 4.*

Golden Gate Chapter President's Message, January 2007



Happy New Year! Time to reinvent yourself

I hope everyone had a wonderful holiday season. The holidays are the mixed blessings of seeing those most important to us combined with an annoying tendency to overindulge. As we contemplate the New Year, with a sudden desire to shed a few pounds, everyone around us asks, "What are your New Year's resolutions?"

Ever notice how when we are busy we always seem more productive and get more done? This year stretch yourself by taking on an additional professional involvement. If you are worried about having the time, ask yourself whether you are normally 100 to 110% efficient with your time. If the answer is no, then there is more room in your life.

Here are some New Year's resolution suggestions to help our industry:

1. Run a committee at Golden Gate ASHRAE.
2. Do you find yourself training others at work? Take these same topics and write an article for submission to the ASHRAE Journal.
3. Get involved with an ASHRAE Technical Committee. This can start by becoming a Corresponding Member to be included in the emails that are exchanged and review the Technical Committee's activity to decide if you are interested.
4. Peer review and comment on drafts of ASHRAE Standards and Guidelines. If you don't do this, don't you wonder if anyone else will?

Any of these New Year's resolutions seem interesting? Below is advice on how to get involved with each option above.

1. Email me, gfriedman@taylor-engineering.com, or Robert Marcial, rmarcial@pacbell.net, our President-Elect, about getting more involved in the Golden Gate Chapter's committees. We are happy to discuss what is involved and help get you started.
2. Contact Fred Turner, FTurner@ashrae.org, the ASHRAE Journal Editor. Fred is always searching for new article topics.
3. Learn all about ASHRAE Technical Committees on the ASHRAE website, <http://www.ashrae.org/technology/page/104>. I am on several Technical Committees and will be happy to help you get involved.
4. Go to the current Standards and Guidelines that are out for public review through the ASHRAE website, <http://www.ashrae.org/technology/page/331>. The more folks that review and comment, the better. This is a great way to improve your technical knowledge. Once you find an area of interest you can add your name to the Standards List Server and get email notifications on pending public reviews, <http://www.ashrae.org/publications/detail/14346>.

I encourage you to do more this year. You won't regret it and the industry and I will thank you. Happy New Year!

Respectfully submitted,
[Glenn Friedman](#), Chapter President



CALIFORNIA HYDRONICS CORPORATION
IS PLEASED TO ANNOUNCE OUR 2007 TRAINING SEASON

BASIC HYDRONICS

Wednesday, February 21, 2007
Wednesday, September 26, 2007

DOMESTIC HOT WATER HEATING SYSTEMS

Wednesday March 7, 2007

STEAM SYSTEM DESIGN

Wednesday, April 11, 2007

CONDENSER WATER SYSTEM DESIGN

Wednesday, Oct 17, 2007

DOMESTIC BOOSTER SYSTEMS/ SUMP & SEWAGE

Wednesday, November 14, 2007

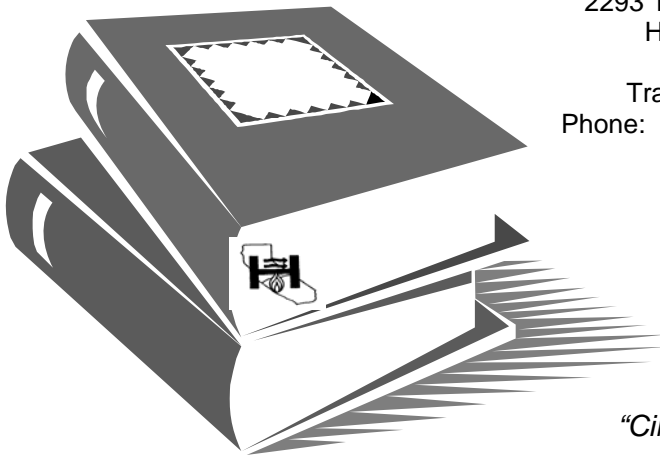
Registration: 8:30 a.m. Instruction: 9:00 a.m. – 4:00 p.m.
Lunch and course materials included

FOR FURTHER DETAIL OR TO REGISTER ONLINE,
PLEASE VISIT OUR WEBSITE AT www.calhydro.com

CLASS SIZE IS LIMITED TO A MAXIMUM OF 30 STUDENTS.
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Training Contact: Barbara Zrout
Phone: 510-266-7876 Fax: 510-293-3080
bzrout@calhydro.com



"Circulating Satisfaction Since 1957"

ASHRAE Research Report

Fahad Rizqi, Resource Promotion Chair, GGASHRAE

To everyone that wants to donate to ASHRAE Research, I look forward to talking with you. Remember, all donations are tax deductible, and you may use a check or credit card. Now you can make your donation online at <http://www.ashrae.org>.

At the December meeting the Regional RPC Michael Burgess gave a brief presentation on the overall vision of ASHRAE research:

ASHRAE Research Vision

ASHRAE will conduct timely research to remain the foremost, authoritative, and responsive international source of technical and educational information, standards and guides on the interaction between people and the indoor and outdoor environment through the operation of HVAC&R systems in buildings and other applications.

The strategic ASHRAE Research Plan is based on five broad, far reaching research opportunity themes

- Energy and Resources
- Indoor Environmental Quality
- Tools and Applications
- Equipments, Components and Materials
- Education and Outreach

You can email me if any of you would like more information on the details of the research themes and possible research projects.

Happy New Year!!! And see you at the next meeting!!!

Fahad Rizqi, fahad.rizqi@siemens.com, 510-723-7833

January Program Continued

From <http://www.nebb.org>: The National Environmental Balancing Bureau (NEBB) is a nonprofit organization, founded in 1971 by contractors in the heating, ventilating and air conditioning (HVAC) industry. NEBB exists to help architects, engineers, building owners, and contractors produce great buildings with HVAC systems that perform in ways they have been visualized and designed.

Vic Congi

In January 1975 Mr. Congi went to Laney College for commercial refrigeration. At that time there was no trade school for refrigeration only. He completed his Associate of Science in Air Conditioning & Refrigeration Technology and then proceeded to work for Glenn Carter at National Air Balance of San Francisco. From January 1977 to January 1993, he worked on many projects including SF Airport remodel, Diablo Canyon Nuclear Power Plant, Chevron Park Office Buildings, and multiple high-rise office buildings. In January 1993 Mr. Congi joined Carter Air Balance as an owner/technician. They have become a well-renowned TAB firm certified by NEBB to ensure good quality workmanship. Carter Air Balance has done numerous projects throughout Northern California, schools, office buildings, and grocery stores.

Bill Jeffrey

Bill Jeffrey is presently a MEP Coordinator and has been a Commissioning Agent with DPR Construction for the past 10 years. Previously, he was the co-owner and balancing supervisor for 5 years for a local balancing firm and for 22 years in Mechanical Consulting Engineering involved in design of more technical projects. He has been involved in Start-Up and Commissioning for the last 12 years involving projects ranging from healthcare, pharmaceutical, biotech and mission-critical projects along with university laboratories and office buildings.

Bill is LEED AP and NEBB Certified and Supervisor for "Building System Commissioning" at DPR Construction for the Bay Area. Currently he is working on several sustainable construction projects and LEED projects, some utilizing 3-D Coordination efforts very successfully.

Chapter Technology Transfer Committee (CTTC)

Scott Wayland, Golden Gate ASHRAE Technology Transfer Chair

www.ashrae.org/cttc

<http://ggashrae.org/cttc>

2006/2007 Technology Awards

The Technology Transfer Committee would like to encourage all members to consider participating in the Technology Awards this year. **Entries must be submitted to the Golden Gate CTT Committee by February 28th 2007.**

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 2007. Therefore, your project should have been occupied by September 2006. 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.

Please see our CTTC website or the following links for more info:

<http://www.ashrae.org/publications/detail/14703>

<http://www.ashrae.org/publications/detail/14692>

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

<http://resourcecenter.ashrae.org/store/ashrae/newstore.cgi?categoryid=1174&loginid=10995378>

Contact Scott Wayland and the Chapter Technology Transfer Committee regarding submitting at 510-508-2244 or at sewayland@comcast.net

From the Chapter Historian

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

Moving On

This is my last Historian's article. After about 3½ years and 30 articles, it's time to pass the honor on to someone else. When Bob Levi asked me to do the job, he said I had to do it until I found a replacement. Well, I found Tom Gilbertson and I'm looking forward to his stories.

There are some biographies that I will miss doing. The people I'm thinking of just didn't meet my criteria yet. A future Historian will get to do them. Among my criteria has been contributions to ASHRAE, historical significance, chronological experience (age), near to or beyond retirement, etc. Just so that you know what I'm talking about, the list includes Gail Brager, Dick Charles, Tom Gilbertson, Mike Scofield, and many others.

On a final note to you, chapter members, do good stuff so that future Historians will have something to write about.

Thanks for the ride.

Editor's Note: We'll miss your contribution, Carl—thank YOU for your wonderful wit and dedication to this column!

Membership Promotion

Kristin DeMartini, Membership Promotion Chair

For outstanding service to the Golden Gate chapter, Robert Marcial has been nominated to receive the Outstanding New Member award.

Many thanks go to Robert for his extraordinary contribution to the chapter since he joined in December 2002. ASHRAE's success as the world leader in the field of HVAC&R is the direct result of the leadership, continued involvement and dedication of members like Robert.

Please contact me if you are an active member and still need a name badge.

If you have any questions or suggestions, please contact me directly at Kristin.S.DeMartini@jci.com or 415-672-1048. Thank you!

Student Activities

Tim Goepfner

We are awarding two travel grants to the Winter Meeting. The recipients are Sam Borgeson, Masters Student at UC Berkeley, and Benjamin Welle, Masters Student at Stanford. Both students are excellent. Each student worked for a period of time and then returned to school in our industry. They will each give a short talk on their ASHRAE Winter Meeting experience at a future Golden Gate Chapter meeting.

Minutes of Golden Gate Chapter Meeting—December 13, 2006

San Mateo Marriot

- Jeff Solberg, San Jose Chapter President, called the meeting to order at 6:30 p.m.
- Self introductions
- Announcements and administrative discussion
 - San Jose Chapter announcements
 - Michael Burgess, Region X Research Promotion Chair, made a presentation on ASHRAE Research.
 - Ben Sun made a pitch for donating old ASHRAE Handbooks for developing countries.
- Five minute break
- Robert Marcial introduced the speaker for the main presentation: Darren Bouton, PG&E PEC
- Main presentation: Basics of Photovoltaic (PV) Systems for Commercial Grid-Tied Applications.
- Marble draw raffle.
- Next meeting: Lunch Meeting, Thursday, January 11, at the Carnelian Room, 555 California Street. Topic: Benefits of System Balance and Commissioning. Speaker: NEBB.
- Motion to adjourn the meeting at 9:00 p.m.

Jeff Blaervoet

Announcement

Old ASHRAE Handbooks

Do you have older ASHRAE handbooks on your shelves? Past Golden Gate Chapter President Ben Sun is organizing a campaign to collect unused or older handbooks and ship them to developing countries. The handbooks will be distributed to engineering students as they do not receive the yearly handbook. This year the books will be shipped to India and Sri Lanka.

Bring your old handbooks to the next ASHRAE meeting. Financial contribution to cover the shipping cost is also needed.

Thank you for your help.

Handbooks will be shipped off in January/February.

Ben Sun

Benjamin.Sun@sf.fk.com

Greening of ASHRAE

Gary Harbison

I have a short survey from Society that I will be passing out at the registration table. Information taken will enable Society to better respond to the overall talk of greening ASHRAE meetings. Where do we direct the most attention? At the local chapter meeting or at the Society Annual and Winter meetings?

2006 - 2007 Event Calendar

<i>Date</i>	<i>Venue</i>	<i>Presentation Topic</i>	<i>Speaker(s)</i>
Thursday, Jan 11, 2007 Lunch	Carnelian Room, S.F.	How to Protect Yourself from Being Involved in a Problem Project: A Balancing and Commissioning Perspective	Vic Congi, Carter Air Balance Bill Jeffrey, DPR Construction, Inc.
Thursday, Feb 1, 2007 Dinner & Student Night	Scott's Seafood, Oakland	HVAC Title 24 Requirements: Now and 2008	Charles Eley Architectural Energy Corporation
Thursday, Mar 1, 2007 Dinner with Redwood Empire Section	Embassy Suites, San Rafael	DDC Controls	Jay Santos, Facility Dynamics
Thursday, Apr 5, 2007 Dinner & Student Night	Pacific Energy Center, S.F.	Awards Night and Vendor Showcase	Vendors and Award Winners
Thursday, May 3, 2007 Lunch & Field Trip	Anchor Steam Brewery San Francisco	Annual Field Trip: Brewery Process and Plant Tour	Tour Guides
Thursday, Jun 7, 2007 Dinner & Spouse & Significant Other Night	Carnelian Room, S.F.	Topic TBA	TBA

TBA = To Be Announced

Visit <http://www.ggashrae.org/calendr.htm> for updates, presentation summaries, speaker biographies and to register for the meetings. If you have suggestions for meeting topics, please contact Robert Marcial at rmarcial@pacbell.net

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 Change of Address link of the ASHRAE website, log in, and then go to Membership Records. If you don't have your PIN or membership card, please call Customer Service: 1-800-5-ASHRAE (US and Canada).

Photos from December SJ & GG ASHRAE Meeting



Carl Jordan, Bob Braun and John Stauder



Edgar DeGuzman and Jeff Blaevoet



Dave Nazarro and Wayne Wolmer



Muhammad Bashir, Joseph Schauf, and Brian Maher



Joe Lamberty, Mike Trimble and Devan Johnson



Krystal Naillon, Joe Chin and Justin Murray