

FOG DISPENSER

Golden Gate Chapter



ASHRAE

VOLUME XLI - NUMBER 4

JANUARY 2003

January Meeting Notice

Date: Thursday, January 9, 2003 **LUNCH**

Place: Carnelian Room
Bank of America Building
555 California Street
San Francisco, CA 94104

Cost: \$35 for GGASHRAE members and guests **if reserved prior to noon on January 7th.**
\$42 for non-members or if reserved after January 7th or walk-in
Students no charge, but please register anyway
Voucher please register anyway

Schedule:

11:30 am-12 noon Registration
12:00 noon Lunch and Chapter business
12:45 pm Speaker – Steve Taylor
“Primary-Only vs. Primary-Secondary Variable Flow Chilled Water Systems”

Please reserve on-line by visiting www.ggashrae.org and clicking on “Meetings”, and click on “Jan. 9”, fill out the form and send.
Or, send an email with names, company and phone number to reservations@ggashrae.org
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.

January Program:

Speaker: Steve Taylor, P.E.
Primary-Only vs. Primary-Secondary Variable Flow Chilled Water Systems

This program will focus on choosing the “right” chilled water distribution system for the application. Advantages and disadvantages of the primary-only and primary-secondary systems will be discussed. Variations in these systems, such as distributed secondary pumping, dedicated vs. headered pumps, and check valve considerations will be illustrated.



The program is based on Mr. Taylor's ASHRAE Journal article in February 2002 of the same title. The article generated several letters to the editor due to the controversial nature of the topic.

Steven T. Taylor, P.E. is a principal of Taylor Engineering, a consulting firm in Alameda, CA. He is a registered mechanical engineer specializing in HVAC system design, control system design, indoor air quality engineering, computerized building energy analysis, and HVAC system commissioning. Mr. Taylor graduated from Stanford University with a BS in Physics and a MS in Mechanical Engineering and has over 25 years of commercial HVAC system design and construction experience.

Golden Gate Chapter President's Message

January 2003

"It is in giving that we receive" (St. Francis)

In the Philippines, Christmas is a holiday that is enjoyed by everyone. Children go door-to-door singing Christmas carols, houses are decorated with parols (star lanterns), fundraisers are held to help the poor, and everyday for 9 days until Christmas everyone is invited to church for pre-dawn mass and breakfast. The reason why I am sharing this with you is because I want to stress the significance of this season. It seems to me that it is during this time especially that we decide to help those who are in need, but every single day of the year there are people who are in need of food and clothes, and as kind people I think that we should do our part. Winter is known as the season of sharing and as we head out to the malls looking for gifts we should also think of something we can do for those who are less fortunate. If you do not feel like donating clothes or canned goods, then maybe you can donate your time at a soup kitchen; just please do something nice for someone in need. Keep in mind; the reward of helping others is priceless. Happy Holidays!

Respectfully submitted,
Edgar De Guzman

2003 GOLDEN GATE ASHRAE PROGRAM

DATE	LOCATION	PROGRAM	SPEAKER
Feb. 6	Scott's Seafood, Jack London Square, Oakland	Panel Discussion on Underfloor Air Distribution <i>Joint meeting with Northern California Chapter of the U.S. Green Building Council (NCC USGBC)</i>	Fred Bauman (CBE), Allan Daly (Engineer), Contractor, and Owner
Mar. 6	Embassy Suites, San Rafael	DDC Design Practical Examples and Rule of Thumb Checks <i>Joint Meeting with the Redwood Empire Section</i>	Frank Shadpour, Distinguished Lecturer
Apr. 3	Pacific Energy Center	Science Fair and Scholarship Winners	Students
May 8	Field Trip Morning – 7:30 a.m.	Tour of Lawrence Berkeley National Lab	Hosted by Max Sherman
June 5	Carnelian Room San Francisco	Spouse Night	Comedian Will Durst

BOARD MOTIONS

Motions voted on at the 12/11 Board Meeting:

First Motion was made to provide, without prior approval, reimbursement to Student chapters for each of their monthly meetings for an amount of not-to-exceed \$100.00. Expenditures that will exceed \$100. need prior Board approval.

Motion #1 made by Jon Wintermeyer and seconded by Glenn Friedman and motion carried 6-0-0.

Second Motion was made to approve two travel grants per the letter of recommendation received from Student Activities Chair Robin James. The students will travel to Chicago in January for the Winter Meeting.

Motion #2 made by Jon Wintermeyer, seconded by Cory Palmer and motion carried 6-0-0.

TECHNICAL, ENERGY AND GOVERNMENT AFFAIRS (TEGA) COMMITTEE

Scott Wayland, TEGA Chair

Happy New Year! If you have not read any of the previous TEGA columns, **please take a look at them in the archived issues of the Fog Dispenser at www.ggashrae.org**. It's important that every member knows what TEGA is all about!

TEGA's role with Society and the members includes many areas of responsibility. ASHRAE functions with a grass roots base, and TEGA is glue that binds everything together. One of the roles is for TEGA to create, enhance, and maintain the two-way communication between members and Society technical activities. TEGA assists with member interaction with the community as well as with local and state affairs (without getting involved with "the political process"). TEGA also helps with local and regional recognition of ASHRAE's authoritative position.

Many Chapter members have shared with me their experiences from years ago. During my 9 years as a consulting engineer, I have had the opportunity to work with many active ASHRAE members including several Past Presidents of our Chapter. In addition to the Past Presidents that I have worked for, there are many other members that have been very active with Society, the Chapter, and our community in the past. Golden Gate Members have been, and continue to be very active with Society with many of the Technical Committees, Standards, and other areas. We are still a very active Chapter, but many years ago (I was still in elementary school in Oakland) the Golden Gate Chapter and its active members were more known collectively than we are today as an authority on code issues related to HVAC and the built environment. Our members helped write the Title 24 Part 6 Energy Code. They were also influential with city and state amendments of the building and mechanical codes. Some of our members were on the board of examiners for The City. The code committee back then was very influential with amendments to the codes.

Today many of our members are very active with many areas within ASHRAE and with the community. I invite all of you to get involved, contribute, and help make your voice and our collective voice heard. Help the community recognize ASHRAE's authoritative position!

TEGA needs assistance, needs committee members. If you want to get involved, please contact me. Or maybe you want to know more about getting onto one of Society's Technical Committees? Contact me and I can assist.

However you don't have to commit to a huge effort like that to be involved. Even if you just want to comment on an ASHRAE publication, it's really easy to contribute! If you have a thought, concern or problem with a code issue, contact the Code Committee. The contact info is on the website.

I invite every member to send me your thoughts on an issue. You can reach Scott Wayland and the TEGA committee at (510) 508-2244 or at swayland@rumseyengineers.com.

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.

TEGA, continued

Each year the Society may present awards in seven 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.

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

If you would like to participate, fill out the Application Short Form found here

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

Entries need to be received by the TEGA Committee by February 24, 2003.

Contact Scott Wayland and the TEGA Committee regarding submitting at (510) 508-2244 or at swayland@rumseyengineers.com

ASHRAE RESEARCH REPORT

Do you realize that 100% of your contributions to ASHRAE Research goes directly to the researchers? All of ASHRAE's operational overhead costs are paid from other sources. You can contribute by check or credit card and your contributions are 100% tax deductible.

At the monthly meetings please take notice of the table cards. The cards list every individual and corporation that has given to ASHRAE Research, at the Honor Roll level, this campaign year. If you have given and your name is not listed, please let us know. We want to make sure that everyone gets recognized.

The following individuals have donated on the honor level in the last month:

Corporate Honor Roll Investors (\$150.00 or more)

Norman Wright Mechanical Equipment

Individual Honor Roll Investors (\$100.00 or more)

Herb Duncan

Jon Malkovich

Thanks to everyone who has donated!

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

ASHRAE Research, Jon Malkovich
2301 Arnold Industrial Way, Suite C
Concord, California 94520
925.688.1369 x4
jon.malkovich@ebward.com

MEMBERSHIP PROMOTION

Let me start by congratulating some of the most recent people elected to membership: Andrew B. Rooney and Richard A. Morsefor for Associate Grade and Grant J. Brohard for Member Grade. Also, congratulations to Jim M. Kelsey for advancing to Member Grade by filling out the appropriate blue form that we are trying to promote this year. If you are an Associate Grade member and have been at that level for a number of years, it is also time for you to advance to Member Grade. Come to a meeting and ask for the blue membership advancement form or ask me how to obtain one, then take a few minutes to fill it out and you are on your way to advancing to the Member Grade.

Next, I would like to welcome some new and renewing ASHRAE members: Kirk H. McDaniel, David Kahane, Cindy Regnier, and Freddie F. Wong. As the Admissions and Advancement Committee will be assigning your membership grade based on information you provided in your application, we look forward to seeing you in our upcoming meeting and also properly introducing you to the chapter. Let me know if you will be coming to the meeting and we would be delighted to suggest to you how you can become active on the local or national level.

The last piece of business is asking all delinquent members to consider paying your dues on a timely fashion. The obvious reason is that it saves me from considering a more aggressive campaign to hunt you down and demand payment, but more importantly with the new year around the corner, members that are in good standing (i.e. have paid their chapter dues) get to be included in our annual Membership Roster that you also receive during the first quarter of 2003.

On a lighter note, I would like to share some statistical and interesting data about our chapter. As of the end of November, we have a little over 700 members. However, most of our meetings only attract between 40 and 70 people depending on topic, location, weather, and probably state of the economy. Here is a break down of the different levels of membership within our chapter. We have roughly 10 Fellows, 400 Members, 300 Associates, and less than 5 Students. I still believe that some of you would qualify for advancement from Associate to Member grade. The most surprising statistic was the almost non-existent number of Student members with the chapter. We all need to find ways to sign up some more students, so to all of you with the academic connections, please hand out some of these student applications the next time you find yourselves on campus.

Some other interesting membership facts are that in the Fellow Grade we have 8 Life, 1 Student-Adviser, 1 President-Life, and 1 Regular members. We also have 62 Life members on the Member Grade category. On the Associate Grade, I stumbled across 21 Regular-Life and 4 Under-30 members. The Under-30 designation is quite interesting and somehow I was not aware that national also tracks certain individuals by age. I will spare you with exposing who these fellows are but next time you come to the meeting look around to see if you can identify these precious "youngsters".

Happy holidays to all of you and your families.

Respectfully,
Chris Papadimos
Membership Promotion Chair
Tel (415) 391 7610
cpapadimos@sf.smwinc.com

ASHRAE STUDENT CHAPTER

It is now time for winter break! Meetings will resume in the Spring Semester, targeted for the beginning of February. Those interested in joining the ASHRAE Student Chapter at UC Berkeley should contact: janelin@uclink.berkeley.edu

Check out our web page: <http://arch.ced.berkeley.edu/groups/gard>

STUDENT TRAVEL GRANTS

Travel Grants to the ASHRAE Winter Meeting in Chicago in January have been awarded to Hui Zhang and Mingyu Shi. Both are UC Berkeley Ph.D. candidates and are Student Members of ASHRAE.

RAFFLE

At the December Meeting, the San Jose Chapter ran the raffle. They had many great prizes donated by the following companies or individuals:

AIR TREATMENT	JEFF SOLBERG	SALAS O'BRIEN
CALIFORNIA HYDRONICS	JOSEPH SCHAUF	SYSERCO
DPR	NABCO	TEMPCO EQUIPMENT
GRISWOLD	NORMAN WRIGHT	TRANE
		YORK INTERNATIONAL

If you would like to sponsor the prizes for future Marble Draw raffles, please contact Nicolina Guiliano at nicolina.j.guiliano@jci.com

Minutes of December 5, 2002 Meeting Golden Gate & San Jose Chapters Joint Meeting

Location – San Mateo Marriott, San Mateo

- Called to order at 7:05 p.m. by GG Chapter President Edgar DeGuzman
- Self-Introductions - All those members in attendance were recognized, including Donald L. Brandt, Director and Regional Chair for Region X, Maralynne Flehner, the speaker for the evening and invited guests. There was a large contingent of past presidents from both Chapters in attendance.
- Don Brandt spoke to the Chapter attendees and discussed the ASHRAE January Winter meeting in Chicago and he also provided contact information on the Region X Officers. Don also thanked Jack Zarour from the San Jose Chapter for stepping in to fill the Membership Promotion RVC position for the region.
- Bob Levi spoke about the January meeting for the GG Chapter members, reminding everyone that it will be a lunch time meeting at the Carnelian Room and the speaker will be Steve Taylor of Taylor Engineering. His topic will be chilled water distribution systems, using primary only or primary and secondary pumping arrangements.
- Bob Levi and Edgar DeGuzman discussed the \$10,000.00 donation to ASHRAE Research made by SMACNA last year, which was split between the 2 Chapters. The Golden Circle award for this donation was presented to Lonnie Michael of Hellwig Mechanical representing SMACNA.
- There was no GG Chapter marble draw held because of the joint meeting, and the San Jose Chapter raffle for Vendor prizes was held.
- Maralynne Flehner was the Distinguished Lecturer for the evening's program. Maralynne's presentation on the survival of Legal issues arising in our professions was well received by all attendees with numerous questions at the conclusion of the program.
- Bob Levi presented Maralynne with a gift from the Chapters.
- Edgar DeGuzman presented a gift from the Chapters to Don Brandt
- Meeting adjourned at 9:15 p.m.

Minutes by Jon Wintermeyer, Secretary

CHAPTER ROSTER

The 2002-2003 chapter roster will be noticeably different from rosters of years past. The Golden Gate and San Jose Chapters have agreed to work together to produce a roster including members of both chapters. Additionally, this year's roster will be produced in an electronic format for the first time.

The roster content will be the same – except that it will include both chapters' dues-paid members. For information on advertising in the roster, please contact either Cory Palmer (415-467-7600 x 111) or Sargon Ishaya (408-347-3400).

As a reminder, please be sure your local and national dues are paid in order to be listed in and receive a roster. You can verify or change your contact information at www.ashrae.org. Note that all contact information changes must be made through ASHRAE's national headquarters. The roster information is downloaded from national headquarters by your local chapter.

Sincerely,
Cory Palmer, Golden Gate Chapter Roster Chair

ASHRAE GOLDEN GATE CHAPTER - DINNER RESERVATION FAX ***For January 9th, 2003***

Please reserve prior to **Tuesday noon, January 7th**

Please reserve on-line by visiting www.ggashrae.org and click on "Meetings", and click on "Jan. 9th", fill out the form and send. Or send an email with names, company and phone number to reservations@ggashrae.org Or FAX the following form to Glenn Friedman (510) 749-9136

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 January 7th.

FROM: _____

COMPANY: _____ Phone: _____

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

Change of Address?

All members who wish to make changes in their membership data (change of address or change of employer are the most common) must make those changes through the national ASHRAE site <http://www.ashrae.org>. In order to do this, 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 web site, log in, then to Membership Records. If you don't have your PIN or membership card, please call ASHRAE Member Services: 1-800-5-ASHRAE.

December Meeting Photos



Left: Edgar DeGuzman and Bob Levi present speaker Maralynne Flehner with a gift



Right: E.B. Ward employees, past and present



Left: Liz Winter (Truckee) and Mike Scofield (Sebastopol) traveled further than anyone else for the meeting



Right: Don Brandt, Director and Regional Chair displays his gift, a 49er jacket



Left: Lonnie Michael, representing SMACNA, accepts the ASHRAE Research Golden Circle Award from Edgar



Right: Speaker Maralynne Flehner and Glenn Friedman



Left: Chapter Research Chairs Stuart Clark and Jon Malkovich with Lonnie Michael



Right: Jack Zarour, Kent Lim, and Lance Walden share a joke



Oakland Engineering Sales Group

The Trane Company proudly supports ASHRAE Research