

FOG DISPENSER

Golden Gate Chapter



ASHRAE

VOLUME XLI - NUMBER 6

MARCH 2003

March Meeting Notice

JOINT MEETING WITH THE REDWOOD EMPIRE SECTION

Date: Thursday, March 6th

Place: Embassy Suites San Rafael
101 McInnis Parkway
San Rafael, CA 94903
[MAP](#)

Need a ride to San Rafael? Contact one of the Board Members

Cost: \$35 For members and guests **if reserved prior to noon on Monday, March 3rd**
\$42 For non-members or if reserved after March 3rd or walk-in
Students No charge, but please register anyway
Voucher Please register anyway

Schedule:

5:30 pm Social Hour and Registration
6:30 pm Dinner
7:45 pm Meeting and Program

Please reserve on-line by visiting www.ggashrae.org and clicking on "Meetings", and click on "March 6", 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.

March Program:

Frank Shadpour, P.E.

Topic: Rule of Thumb Checks for HVAC
DDC Open Systems

The presentation focuses on the latest available technology of HVAC DDC. It examines the practical options for selection of HVAC DDC systems for existing



and new facilities. The emphasis will be on HVAC DDC open systems.

Frank Shadpour is an ASHRAE Distinguished Lecturer and the author

of the book "*Fundamentals of HVAC Direct Digital Control.*"

He is the Vice Chair of the ASHRAE Technical Committee TC1.4 "*Control Theory and Application*" and serves as ASHRAE Region X Nominating Committee Member. He is a past president of the ASHRAE, San Diego Chapter and a graduate of the University of Southern California. Mr. Shadpour is an instructor of Design and Control HVAC courses at the University of California, San Diego and is a Principal at GEM Engineering.

Golden Gate Chapter President's Message

March 2003

EDUCATION, ADVENTURE, & FUN

What do they have in common? Well for me that is what I had at the winter meeting in Chicago. The prime reason to attend the ASHRAE Society Meeting is that it is educational to members of all levels of experience. Whether you attend technical seminars such as HVAC Control Research, New Approach to Fume Hoods, or Current Load Calculation Methodology (TC 4.1 – headed by our own Board Member Glenn Friedman), or a symposium on advances in Supermarket Refrigeration, these are only a few to mention. The Golden Gate Chapter would like to acknowledge the following members who participated in the seminars and forums: Mark Hydeman, Allan Daly, Dick Charles, Philip Haves, Feng Xu, David Goldstein, Joseph Rasson, Robin Mitchell, Joseph Klem, Robert Sonderegger, Glenn Friedman, and Ken Gillespie. Members from all over the world attended all of these seminars and forums.

The other reason you attend this Winter Meeting is the Trade Show. This exposes you to many new and old products that are available in the market such as a 35 to 70 ton chiller that is very quiet – very impressive. A lot of new controls and software is being introduced to the market. Many foreign manufactured products were also introduced.

The last reason is the camaraderie and networking you develop. The Hospitality Nights (food and drink) for one. My own adventure was getting my first snow spin inside the taxicab and behind us was a big rig on a down slope highway. Luckily, the big rig was able to stop otherwise I would be history. Then on the way back we were delayed for 1½ hours and the airline lost our luggage.

Our February 6th meeting at Scott's in Oakland was different in several respects. Thanks to Scott Wayland who did an excellent job putting it together with Program Chair Bob Levi. It was our largest meeting ever; it was held jointly with the NCC-USGBC; we had sponsors displaying their products; you had a choice of entrees; and the meeting lasted well past 9:00 P.M.

Do you have any comments? We would like to hear them. Please reply to Bob Levi (blevi@syserco.com).

Respectfully submitted by:
Edgar De Guzman

2003 Golden Gate ASHRAE Programs

DATE	LOCATION	PROGRAM	SPEAKER
Apr. 3	Pacific Energy Center	Product Show 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	Past Presidents and Spouse Night	Comedian Will Durst

Nominating Committee

The following Golden Gate Chapter members have volunteered to serve on the Nominating Committee for the 2003-2004 Board positions:

Mark Hydeman, Chair
Barbara Dilts
Gail Brager
Rick Paillon
Robin James

Members interested in serving on the Golden Gate Chapter Board should contact one of the Nominating Committee members.

Technical, Energy and Government Affairs (TEGA) Committee

By Scott Wayland, TEGA Chair

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!

Technology Awards

Thanks to all who participated in the Technology Awards. The winners will be announced at the April 3rd meeting.

ASHRAE Position Papers – New Special Report on Guidance for Building Security

Please go to the following website to read a new Paper on Building Security from ASHRAE:

<http://xp20.ashrae.org/frame.asp?ABOUT/pos-ppr.htm>

GG ASHRAE TEGA Editorial – Why build high performing, energy efficient buildings???

Have you read the February HPAC Engineering Magazine 2003 Editor's Column?

<http://www.hpac.com/member/archive/0302edit.htm>

Michael Ivanovich from HPAC is crying out for us to prove to him that a good building is a good building. He feels that in order to help building owners and developers understand the merits of sustainable design for the built environment, hard data showing the performance of these green buildings needs to be better reported.

The Editor's column refers to an Article from *The New York Times* by M. Brick (2003, January 15) titled "Not building green is called a matter of economics". In this article, the author argues, "commercial developers have not adopted the principles of what is commonly called green or sustainable building because a compelling case demonstrating the economic rewards has not been made, according to specialists in real estate, finance, design, construction and environmental health and safety".

I don't know if either of these authors are proponents or not of improving how buildings are designed and built. I find both of their viewpoints a little pessimistic; however the issue is of a compelling matter and their point is well taken. All of us, no matter what our capacity is in our industry, are promoters of improving the built environment. ASHRAE supports Sustainable Design, Energy Efficiency, Occupancy Comfort, and Indoor Environmental Quality. This is evident in the Position Papers, Standards and other documents. The USGBC LEED™ program was created to help improve the built environment. The authors of these articles might not understand that the LEED™ system is performance-oriented. A LEED™ certification implies high performance. They are asking that performance data be publicized to improve the credibility of sustainable design.

The authors may have a good read on the pulse of the average building owner and developer. They have not seen performance data that some of us are familiar with. When we discuss innovative projects, we need to share measurement and verification data to the audience as much as possible.

So go get the word out, green is good!

2003 ASHRAE SEMINAR

Improving the Broken Design Process

From specifications through bidding to submittal review

The 2003 ASHRAE Seminar aims to talk candidly about why the process doesn't work and how to improve it by bringing together speakers and audience participants from the consulting, construction, and vendor sectors of the industry.

Location: PG&E Energy Center

Date: May 21st, 2003

STAY TUNED FOR MORE INFORMATION

For more information contact:

David Dacus (ddacus@taylor-engineering.com)

Bob Polizzi (bpolizzi@calhydro.com)

Minutes of February 6, 2003 Meeting

Golden Gate Chapter Joint Meeting with NCC-USGBC

Location – Scott’s Seafood Restaurant, Jack London Square, Oakland

- Called to order at 7:00 p.m. by Chapter President Edgar DeGuzman.
 - Self Introductions- All the ASHRAE members in attendance were recognized, along with members from both the NCC-USGBC and AEE organizations and invited guests. The attendance was over 200 and was held in the events tent to have ample room for all the displays and table seating.
 - Jon Malkovich, Research Promotion Chair, spoke about ASHRAE Research for the Golden Gate Chapter and this year’s goal, and noted that monies are very slow in coming in and reminded all to please be generous.
 - David Dacus, Co-Chair for Chapter Seminars, spoke about the May 21st all day seminar meeting to be held at the PG&E Energy Center. The Topic will be “Improving the Broken Design Process: from Specifications through Bidding to Submittal Review.” The speaker panel for this candid discussion seminar will be announced at a later time, when the full panel is complete.
 - Alisdair McGregor, NCC-USGBC spoke on their organization’s many upcoming meetings and thanked Bob Levi and Scott Wayland for all their efforts to create the joint meeting and program.
 - Scott Wayland, TEGA Chair, spoke about the TEGA Awards and how to submit for them and that forms were available at the registration table for all interested members.
 - Flack + Kurtz was the sponsor of the grand prize for the Marble Draw at the meeting and other generous sponsors were Guttman & Blaevoet, Trane Co., CMI, Norman S. Wright and MHC Engineers.
 - Bob Levi held the lucky grand prize ticket, but didn’t pick the winning marble, so the pot rolls over now to the March meeting.
 - Gail Brager, Professor of Architecture at UC Berkeley was the Speaker/Moderator for the Panel Discussion program. Gail spoke briefly on the topic for the evening “Underfloor Air Distribution” and then introduced the 5 panelists as follows:
 - Allan Daly, PE, Engineer from Taylor Engineering
 - Fred S. Bauman, PE, Researcher from UC Berkeley
 - Kevin Brooks, PE, Construction Project Manager from Swinerton
 - Bill Krill, Operations Manager from Swinerton
 - Tom Corso, PMP, Director of Building Operations from MC Lioness Realty Group.
- The panelists each gave a 10 minute presentation on Underfloor Air Distribution from their history and experiences as a design/engineer, a laboratory researcher, construction installers, and building/owner operator. After the presentations came a question and answer period. A copy of all the PowerPoint presentations will be available for all members on the Chapter Website. Bob Levi presented gifts to the panelists.
- Meeting adjourned at 9:15 p.m.

Minutes by Jon Wintermeyer, Secretary

Marble Draw

Thank you to Flack + Kurtz, Guttman & Blaevoet, Trane Company, CMI, Norman S. Wright, and MHC Engineers for sponsoring the Marble Draw at the February meeting.

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



Left: Part of the giant crowd at the meeting



Right: More of the crowd at the meeting



Left: Shakeel Ahmed and Mike Rubio



Right: Does Steve Taylor believe Jim Nemechek?



Left: Panel Members and Moderator



Right: Gail Brager explains the finer points of occupant comfort



Left: Panelists Kevin, Bill, and Fred receive their personal fans



Right: Scott Wayland is thanked for his efforts to arrange the meeting

Register Now for the 2003 ASHRAE Product Show!

The annual Product Show will be held on Thursday, April 3rd at the PG&E Pacific Energy Center in San Francisco. This year's Product Show is sponsored by Golden Gate ASHRAE; no other professional organizations are involved in the organization or planning. More than one hundred attendees are expected, including mechanical contractors, consulting engineers, architects, building owners, and sales representatives.

If your firm has exhibited at past Product Shows, you may be familiar with this annual ASHRAE event. If 2003 will be your first year as an exhibitor, you should be prepared to generate interest in your product or firm, answer questions from other ASHRAE members, and enjoy the exposure you will receive.

The schedule for April 3, 2003 will be as follows:

2:00 – 4:00 p.m. Exhibitor Setup
5:00 – 6:30 p.m. Table Top Displays/Social Hour/Hors d'oeuvres (bar opens at 5:00)
6:30 p.m. Dinner (make separate payment and reservations through ASHRAE)
7:30 – 8:30 p.m. Meeting/After Dinner Program for ASHRAE.

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

Letters and applications will be sent to all of the 2003 Product Show exhibitors by March 1. Any firm that has not participated in the past should contact Shaun Webster with any questions. New participants are welcome. We are striving for a mix of equipment manufacturers, consulting engineers / design firms; technology companies (internet and/or software geared to the engineering and construction industries), and HVAC service companies.

Respectfully submitted,
Shaun Webster
2003 Product Show Committee Chair

925.417.7223 Phone
925.426.1188 Fax
shaun.webster@york.com

ASHRAE Research Report

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 or above, this campaign year.

We have only reached 20% of our chapter's annual goal for Research. Please remind your colleagues and clients that a contribution to ASHRAE Research is a great way to give back to our industry! Thanks to everyone who has contributed so far this year. We are always looking for corporate support, especially corporations with "matching gifts" programs. Please contact the Research Chair with potential corporate contributor contact information.

Corporate Honor Roll Investors (\$150.00 or more)

Larkin & Associates

Rogers and Associates

Individual Honor Roll Investors (\$100.00 or more)

Herb Duncan

Mark Levi

Gustav Fehlhaber

Robert Sonderegger

Ted Jacob

Stephen Sprague

Glen Leggoe

Kil Woong Yi

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

c/o Jon Malkovich

2301 Arnold Industrial Way, Suite C

E.B.Ward

Concord, CA 94520

jon.malkovich@ebward.com

925.688.1369 x 4

Student Activities

ASHRAE Student Chapter

We had our first meeting of the spring semester on President's Day, February 17 in our new location by the Center for the Built Environment research labs. We had a presentation by David White, a Master's of Architecture student that recently did 9 building case studies to explore thermal systems and symbolic orders in architectural space. Plans are in place for firm tours, viewings of "Blue Vinyl", and other socials! Please stay posted at our website for the next meeting, TBA in April.

Chapter at UC Berkeley should contact: janelin@uclink.berkeley.edu

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

March 16th is the deadline for receipt of applications for Scholarships and Travel Grants to the Summer Meeting. More information and applications are available from the chapter website www.ggashrae.org, click on Scholarships and Awards.

Help Wanted

KEEN ENGINEERING INC. - North America's leading sustainable engineering firm - Keen Engineering is a professional consulting engineering firm with 10 North American offices and over 80 LEED™ accredited professionals. Our San Francisco office is expanding and we are looking for team players to fill a number of positions.

- 1) An energetic experienced (8+ yrs) senior project manager.
- 2) Experienced (3+ years) design technicians.

Check out our Web address www.Keeneng.com for complete details.

Contact cheryl.crawford@keeneng.com

ASHRAE GOLDEN GATE CHAPTER - DINNER RESERVATION FAX

For March 6th, 2003

Please reserve prior to **Monday, March 3rd at noon.**

Please reserve on-line by visiting www.ggashrae.org and click on "Meetings", and click on "March 6th", fill out the form and send.

Or send an email with names, company, 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 March 3rd.

FROM: _____

COMPANY: _____ Phone: _____

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

WANTED

Motivated, responsible Sales Engineer for exciting position with major HVAC Manufacturers' Representative firm. Position to involve coverage in San Francisco and North Bay areas.

Contact Mike Gainer at
Joseph Schauf Company
408-866-0723

Or e-mail a resume to
mgainer@baltimoreaircoil.com