

FOG DISPENSER

Golden Gate Chapter



ASHRAE

VOLUME XLI - NUMBER 1

OCTOBER 2002

October Meeting Notice

Date: Thursday, October 3, 2002

Place: **Carnelian Room**

Bank of America Building
555 California Street
San Francisco, CA

Cost: \$35 for GGASHRAE members and guests
if reserved prior to noon October 1st
\$42 for non-members, or if reserved after
October 1st, or walk-in
Students no charge, but please reserve anyway
Voucher 9 meetings for the cost of 8
\$280 total
Transferable within your company.

Time:

5:00 pm **Pre-meeting Technical Seminar**
Sponsored by California Hydronics.
Joe Schaefer, Western Regional Director for
Griswold Controls, will give a presentation on
the Automizer coil kit. He will discuss how the
control valve design with proper application
saves time and money in field installation and
saves up-front material cost.

5:30 pm Social Hour and Registration

6:30 pm Dinner

7:30 pm Program – Mike Gabel, Gabel Associates

Please reserve on-line by visiting www.ggashrae.org and clicking on “Meetings” on the sidebar, then click on Oct. 3, 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.

October Program:

Speaker: Mike Gabel

“Gas vs. Electric Heating in the Current Title
24 Performance Standards”

In the process of designing mechanical systems that use electric resistance space heating, there is often confusion about whether any of these



systems can meet current Title 24 energy requirements. Mike Gabel will address this issue by briefly reviewing how and why the current nonresidential performance standards deal with source energy; and explain the specific

conditions under which electric resistance heating may comply with the state’s energy code. Mike will conclude by explaining how the 2005 standards are expected to eliminate current loopholes that allow electric resistance space heating.

Golden Gate Chapter President's Message

October 2002

As a young poor boy growing up in the Philippines, never had I thought that I would be where I am today. While growing up I helped my dad build houses; thus construction has always been a part of my life. I went to Holy Angels University in my hometown of Angeles City where I obtained a degree in Civil Engineering. In 1976, I came to this country with my wife, with \$500.00 in my pocket, and no knowledge of what was to come.

My journey with ASHRAE began with an invitation to join from my friend Tom Judson. At the time I was working at Lars Fagerstrom Consulting and I had started to learn about HVAC. After attending meetings and learning more about HVAC my interest in ASHRAE grew. I decided to get involved, because I felt that the more active I became the more I would benefit from ASHRAE. So I volunteered to help with the Marble Game (Scholarship Fund raising raffles) and the rest was history.

While continuing on my journey I have seen all the hard work that many people have put in to make this organization succeed. Because of everyone's participation and dedication, ASHRAE's Golden Gate Chapter is in great shape financially, and there is no doubt in my mind that if more people were to participate, ASHRAE will reach new heights. As President, I have a few goals that I would like to attain, but I cannot do it alone. My goals for this year are:

1. Increase the attendance at the meetings. This can be achieved by encouraging in-active members to come to the great programs put together by President-Elect Bob Levi. Our chapter is one of the largest chapters, yet only 10% of our members show up to our meetings regularly!
2. Invite building engineers, architects, and building officials to our meetings, because they too are a part of our industry.
3. Increase membership through re-enlisting inactive members.

I would like to say thank you for allowing me to be your Chapter President. It is both a pleasure and an honor, and I promise to do my best to fulfill my duties. I know that this year will be a success, because I have the support of dedicated board members such as: Joe Oliver, our Past President, who has done an excellent job; Bob Levi, President-Elect, who has put together great programs, Jon Wintermeyer, Secretary, who just handed the balanced books over to Cory Palmer, Treasurer, and Glenn Friedman, our new board member, who is currently active at the Society level. These are five brilliant men who have spent countless hours collaborating ideas to make this organization run smoothly.

I would also like to thank the returning Committee Chairpersons and Vice/Co-Chairpersons of different Committees who enthusiastically do their part. To our Webmaster, Roberto Marcial, and *Fog Dispenser* editor, Jane Lin, keep up the great work. To all new Committee Chairs and Vice/Co-Chairs, thanks for accepting the challenging work; and last but definitely not least, to all the Golden Gate Chapter Members, thank you. If it were not for all of you, ASHRAE would not be the great organization that it is today.

Respectfully submitted,

Edgar De Guzman
Chapter President

PROGRAMS

October Pre-Meeting Technical Seminar – Griswold Automizer

Joe Schaefer, Western Regional Director for Griswold Controls, will give a presentation on the Automizer coil kit. He will discuss how the control valve design with proper application saves time and money in field installation and saves up-front material cost.

Sponsored by California Hydronics

October Program Speaker: Mike Gabel

“Gas vs. Electric Heating in the Current Title 24 Performance Standards”

Mike Gabel is Principal and Owner of Gabel Associates, LLC, an energy-consulting firm in Berkeley, California specializing in building energy analysis, life-cycle cost studies of energy conservation measures and energy code compliance for architects, mechanical engineers and lighting designers. He has taught dozens of seminars on the state’s Nonresidential Title 24 Building Energy Efficiency Standards for PG&E and CABEC (California Association of Building Energy Consultants) since 1987, including the current 2001 standards. Mike was the original developer of COMPLY 24, the MS-DOS predecessor to the energy compliance EnergyPro software; and he was co-author of the state’s 1993 *Nonresidential ACM Manual*, which defined the rules embedded in the nonresidential energy compliance programs. Mike is an ASHRAE member and past Chair of the CABEC.

2002 – 2003 GOLDEN GATE ASHRAE PROGRAMS

DATE	LOCATION	PROGRAM	SPEAKER
Nov. 7	Pacific Energy Center	Fire/Smoke Control	Sanjay Aggarwal Rolf Jensen & Associates
Dec. 5	San Mateo Marriott (Joint with San Jose)	The ASHRAE Member’s Legal Survival Guide	Maralynne Flehner, Esq. Distinguished Lecturer
Jan. 9 LUNCH	Carnelian Room	Primary only vs. Primary/Secondary Chilled Water Supply	Steve Taylor Taylor Engineering
Feb. 6	East Bay	Joint meeting with Bay Area U.S. Green Building Council Panel Discussion on Underfloor Air Distribution	Engineer, Owner Architect, CBE member
Mar. 6	Embassy Suites, San Rafael (Joint with Redwood Empire)	DDC Design Practical Examples and Rule of Thumb Checks	Frank Shadpour Distinguished Lecturer
Apr. 3	Pacific Energy Center	Science Fair and Scholarship Winners	Students
May 1	Field Trip	TBA	
June 5	Carnelian Room	Spouse Night	TBA

MEMBERSHIP

The October Golden Gate ASHRAE chapter meeting will be dedicated to Membership Promotion. As the chair for this committee, I would like to encourage all members to show their support for ASHRAE, and more importantly our local chapter, by attending the dinner meeting and bringing along one or more guests. Introduce your guest(s) to the many benefits of ASHRAE and the range of activities that we have planned for the year. Consider asking a colleague, client, student, or other type of design professional (architects and other types of engineers are most welcome). If you cannot attend the meeting, why not ask someone to attend on your behalf.

As an incentive, the Golden Gate Chapter offers a complimentary round of drinks to you and your guest(s). The only rule is that your guest has not attended prior meetings on any regular basis. Should you be able to convince your guest to join ASHRAE and the chapter, then your reward will be a dinner voucher good for any monthly meeting, after membership is complete.

During my attendance at the CRC in May, Membership chairs from other chapters stated that the overwhelming reason for joining ASHRAE is for the interaction with colleagues at the local chapter level and the sense of camaraderie that goes along with it. So we would like to welcome you to the new season and invite you to consider becoming active in the local chapter. Our first meeting will give you a preview of the activities planned for the year.

We look forward to seeing you at the October dinner meeting.

Cordially,

Chris Papadimos
Membership Promotion Chair
cpapadimos@sf.smwinc.com

MINUTES OF JUNE 6, 2002 MEETING

Location – Carnelian Room, San Francisco

- Called to order at 6:30 p.m. by President Joe Olivier
- Self Introductions – Spouses and companions in attendance were recognized
- David Dacus, Research Promotion Chair, asked for contributions to ASHRAE Research as the campaign year draws to a close
- Jon Malkovich (standing in for Edgar DeGuzman and Kirk Peterson) advertised the upcoming Golf Tournament
- Ben Sun spoke about the successful Tennis Tournament on May 17th
- Jane Lin, UCB Student Chapter President and Newsletter Editor, told the group about the planned activities for the student chapter
- Joe Olivier gave a brief report on the recent CRC in Las Vegas. The Golden Gate Chapter won the Man-Mile award for the Region.
- Dick Charles was honored for his service as Nominating Committee Member
- Karl Guttman paid tribute to Tom Simonsen (President 1959-60) who passed away recently
- Bob Levi presented Life Member certificates to Victor Bach and Raj Jandu
- Marble Draw – No one won the prize, so the pot rolls over to the October Meeting
- Bob Levi encouraged everyone to return the 2002-03 Programs Ballot that is available on the website
- Bob Levi (standing in for Edgar DeGuzman) presented Joe Olivier with his President's certificate and diamond President's pin
- Werner Buck, President of Belimo Aircontrols, was the main speaker. He spoke about the "Seven Habits of Highly Effective People"
- Meeting adjourned at 9:00 p.m.

Minutes by Bob Levi

**ANNUAL REPORT
2001-2002 ASHRAE RESEARCH
GOLDEN GATE CHAPTER**

Congratulations and thank you to the individuals and firms who helped the Golden Gate Chapter collect \$20,809 in the 2001-2002 ASHRAE Research campaign year.

The Golden Gate Chapter would like to say a special thank you to Bay Area SMACNA for donating \$5,000. In addition to their Golden Gate Chapter donation they contributed \$5,000 to the San Jose Chapter for a total donation of \$10,000.

GOLDEN CIRCLE INVESTOR (\$10,000)

BAY AREA SMACNA

INVESTORS OF MORE THAN \$1,000

Flack + Kurtz, Inc.
Golden Gate Chapter, ASHRAE

INVESTORS OF \$501 to \$1,000

Gayner Engineers
Guttman & Blaevoet
Tom Gilbertson

INVESTORS OF \$251 to \$500

R. F. MacDonald Company York International	Joseph H. Schauf Company Frank Mayhew
---	--

INVESTORS OF \$151 to \$250

American Mechanical Services Edward Arens Joe Critchfield Robert DeChene Edward B. Ward & Company Ronald Eng Gayner Engineers Horn Engineers	Bob Levi McAfee Engineering Norman Wright Mech. Equip. Corp. Ben Sun Syserco, Inc. Taylor Engineering Arthur Zigas
---	--

INVESTORS OF \$101 to \$150

David Dacus	Hendrik Mouw
DMG North Incorporated	Joe Olivier
Robin James	Jack Palmer
Kent M. Lim & Company	Max Sherman
Jon Malkovich	Jon Wintermeyer
Marelich Mechanical Company	Gerald Yaffe

INVESTORS OF \$100

Kyle Blocker	Mark Hydeman	Shlomo Rosenfeld
Gail Brager	Peter Johnson	Mike Scofield
Dick Charles	Carl Jordan	Ross Sherrill
Leo Copper	Lane Loyko	Robert Sonderegger
Davco Associates	Jim Nemecheck	Steve Taylor
Edgar DeGuzman	John O'Brien	Dennis Thompson
Kevin Dowling	Cory Palmer	Tommy Siu & Associates
Donald Fisher	Wasil Papow	Robert Voelz
Glenn Friedman	James Quinn	John Ward
Randy Gale	Dart Rinefort	Richard Yates
Roy Gifford		

INVESTORS OF \$50 to \$99

Fred Bauman	Lynn Longley
John Gajan	James Lutz
Peter Hartdegen	Isaak Mandelbaum
David Jump	Fernando Palacios

INVESTORS OF \$10 to \$49

Stanley Boghosian	David Lintott
Robert Davis	Richard Taipale
Lloyd Iversen	Kenneth Tong

**To donate to the 2002-2003 ASHRAE Research campaign please contact:
Jon Malkovich, E.B.Ward, (925) 688-1369**

ASHRAE GOLDEN GATE CHAPTER - DINNER RESERVATION FAX

For October 3, 2002

Please reserve on-line by visiting www.ggashrae.org and clicking on “Meetings” on the sidebar , then click on Oct. 3, fill out the form and send.

Or send an email with names, company and phone number to reservations@ggashrae.org

Or FAX the form below to Glenn Friedman at (510) 749-9136

Please cancel your reservation if you cannot attend. Cancellations must be received by October 1st.

FROM: _____

COMPANY: _____ Phone: _____

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

ANNUAL MEAL VOUCHER

The Golden Gate Chapter is again offering discount meal vouchers. Purchase a Meeting Voucher and all of your meetings for the year are paid for. Meeting vouchers cost \$280.00 for all nine meetings. That’s a savings of \$35 off the regular meeting price – buy eight and get nine!

These vouchers are transferable within your company. If you cannot make a meeting, then someone else from your office can attend.

Purchase these vouchers at the October or November meeting.

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 web site, log in, then to Membership Records. If you don't have your pin or membership card, please call Customer Service Section: 1-800-5-ASHRAE (US and Canada).

JUNE 2002 Meeting



Joe Olivier and Bob Levi honor new Life Members
Victor Bach and Raj Jandu



Bob Levi and Joe Olivier plan the program



Robin James and Cory Palmer take your money for
registration



Wasil Popow, Brian Dean, and Jim Nemechek



Joe Olivier showing off his new
Chapter President's pin



Award winners David Dacus, Shaun Webster, Robert Marcial
(webmaster), Joe, Jane Lin (Fog Dispenser Editor)



UCB Student Chapter President Jane Lin
discusses next year's activities



Scholarship Winners Jane Lin and Rodney Martin from UC Berkeley



Werner Buck, President of Belimo Aircontrols, our Speaker



No wonder Tom Gilbertson won a Marble Draw prize, look at how many tickets that he bought

EMPLOYMENT OPPORTUNITIES

Facilities Management Engineer II

LBNL's Environmental Energy Technologies Division seeks an individual to develop and implement building retro-commissioning and tune-up strategies and techniques in commercial buildings to reduce energy use. You will design, implement and evaluate control tune-up interventions, provide leadership on advanced control technologies and operational improvements in buildings, and develop control tune-up and retro-commissioning deployment programs helping both private and government agencies utilize such strategies. Requires extensive experience with programming and commissioning of building HVAC control systems produced by the major vendors, experience designing and engineering large, complex control projects, knowledge of advanced energy-efficiency technologies and a professional engineering license. For immediate consideration, please complete our online application at <http://cjo.lbl.gov>. Alternatively, e-mail one copy of your resume to AVPJobs@lbl.gov (no attachments please), mail to:

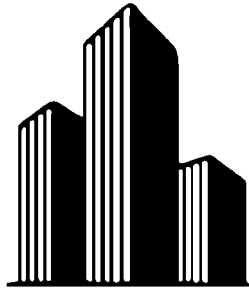
LBNL Staffing

One Cyclotron Road, Bldg. 937R0600
Berkeley, CA, 94720-8076 or fax to (510) 486-5870.

Reference job number EE/015078/WASH. Berkeley Lab is an AA/EEO.

Report from the Student Chapter

The chartered ASHRAE Student Chapter is being revived at UC Berkeley under the Department of Architecture and has adopted a nickname G.A.R.D., Green Architecture Research and Design, (a play on the word GRAD). The first meeting will take place on September 25 with monthly meetings to follow. The ASHRAE Student Chapter has been re-created to foster a stronger community among students studying Building Sciences and Green Architecture, which include students associated with Lawrence Berkeley Laboratories, Center for the Built Environment, and the Master of Architecture. We are proud to be associated with ASHRAE as we know it is an organization that strongly supports research in building design and has been greatly influential in policies that reduce the environmental impact of buildings. As part of an interdisciplinary effort, GARD/ASHRAE Student Chapter hopes to follow the example of the larger organization in promoting discussion within the community of those who have dedicated their studies to research and design of buildings.



NORMAN WRIGHT MECHANICAL EQUIPMENT CORPORATION

san francisco ♦ santa clara ♦ santa rosa

Norman Wright Corporation Proudly Supports ASHRAE Research.