

FOG DISPENSER

Golden Gate Chapter



ASHRAE

VOLUME XXXIV - NUMBER 1

OCTOBER 2000

Meeting Notice Thursday, October 5, 2000

Place: World Trade Club, Suite 300 at the world famous Ferry Building in San Francisco

Date: Thursday, October 5, 2000

Time:

Pre-Meeting	
Technical Seminar	5:00 p.m.
Social Hour	5:30 p.m.
Dinner	6:30 p.m.
Meeting	7:30 p.m.
Adjournment	8:30 p.m.

Cost: \$35.00 Members and Guests with advance reservations, \$37.00 at the door.

All reservations must be received by John Wintermeyer by email at ASHRAE@atce.com or by fax (see form in this issue) at: (415)788-6040.

Pre-Dinner Technical Seminar 5:00 p.m

Robin James of Belimo will cover some of the basics on sizing control valves. Come to the seminar and find out what is a myth, and what is right for valves sizing. Call Robin at 707-745-5998 for reservations. Refreshments will be available.

October 2000 Guest Speaker

Mike DeNamur

*Director of Business Development
Facility Automation Services
Comfort Systems USA*

ESS Engineering, a division of Comfort Systems USA, is a national leader in energy-efficiency consulting and delivery of comprehensive energy management and building automation solutions. ESS Engineering has received particular recognition for its role in the Philip Burton Federal Building, a 1.4 million square foot, multi-vendor BACnet installation in San Francisco. Mr. DeNamur is responsible for evaluating emerging technologies and leveraging them to provide real value to building management staff. Mike has more than ten years experience in the building automation industry, and prior to joining Comfort Systems, held the title of *Manager of Interoperable Systems* for a major controls manufacturer.

For more than five years Mike has participated in standards-building activities related to adopting both BACnet and LonTalk in the commercial building industry. He is currently a member of the BACnet Manufacturers' Association, and served on the LonMark Interoperability Association Board of Directors through June of this year. Mike frequently speaks on the topic of building systems interoperability, including presentations at ASHRAE, BOMA and IFMA annual meetings.

Mike is a graduate of the University of Minnesota, and enjoys racing sailboats in his spare time.



Golden Gate Chapter President's Message October 2000

How Time Flies!

How time flies! I first joined ASHRAE as a student member at Cal Poly San Luis Obispo and was elected to be the Sergeant at Arms where I was to “keep order” during the student member meetings. That was close to twenty years ago!

ASHRAE has helped me personally in many ways. As a student, I received a scholarship from the Sacramento chapter.

The technical knowledge base that ASHRAE makes available in each of the meetings and technical sessions has been very useful (most of the time) to me in my professional career.

Probably, most importantly to me has been the personal relationships and contacts that have been established through ASHRAE. I especially value the friendships that continue to be made.

Having received the honor of serving as the 2000-2001 chapter president, I would like to return the multitude of benefits I have received and continue to receive back to the ASHRAE members.

As President there are a few goals I would like to accomplish to help the members and the chapter this year:

- To establish an on-line searchable database of the HVAC&R manufacturer’s representatives in the Bay Area on the GG ASHRAE web page.
- Increase the educational aspect of ASHRAE by increasing the number of Pre-Dinner technical discussions.
- Create new ways of reaching younger members.
- Get you home earlier by ending all evening meetings by 8:30pm!

I would like to thank Mr. Mark Hydeman, ex-president, for the leadership and support he has given to the Chapter and myself. I am open to other suggestions on helping the GG ASHRAE members so please email me at bpsun@sf.fk.com or call me if you have suggestions for the first year of the Millennium.

Respectfully submitted

Benjamin Sun, Chapter President

2000 Committee Chairs

Title	Name	Company	Phone	Email
Region X DRC	Kent Peterson	P2S Engineering, Inc.	562-497-2999	kwp@p2seng.com
President	Benjamin Sun	Flack & Kurtz	415-398-3833	bpsun@sf.fk.com
President-Elect/CRC Delegate/Chapter Programs	Joseph Olivier	Syserco	510-498-1171	jolivier@syserco.com
Treasurer	Robert Levi	Edward B Ward and Co	650-872-5210	bob.levi@ebward.com
Secretary/CRC Alternate	Edgardo De Guzman	Acco Inc	650-594-0182	edeguzman@accoair.com
Board of Governors/PAOE Committee Chair (Past President)	Mark Hydeman	Taylor Engineering	510-749-9135	mhydeman@taylor-engineering.com
Board of Governors: 2 nd Year board Member	Jon Wintermeyer	Alfa Tech Consulting	415-788-6000	Jon_wintermeyer@atce.com
Board of Governors: 1 st Year Board Member	Robin James	Belimo Aircontrols	707-745-5998	rjames@belimo.com
Membership Promotion Committee Chair	Jeffrey Ditman	Glumac International	415-398-7667	j.ditman@glumac-sf.com
Student Activities Committee Chair	Glenn Friedman	Taylor Engineering	510-749-9135	gfriedman@taylor-engineering.com
Student Activities Vice Chair	Donald Nurisso	Alfa-Tech Consulting Engineers	415-788-6000	Don_nurisso@atce.com
Historian	Dennis Thompson	Pacific Coast Trane	408-481-3643	dwthompson@trane.com
Refrigeration Committee Chair	Reinhard Seidl	ACCO	650-631-5988	seidl@flash.net
Research Promotion/ Honor Roll/Product Show Committee Chair	Cory Palmer	Norman Wright Equipment Corp	415-467-7600	cpalmer@norman-wright.com
Technical, Energy & Government Activities Committee Chair	Gary Margadant	Consulting Engineer		gasm@napanet.net
Newsletter Editor	Rachel Bannon	UC Berkeley – Student	510-981-0671	rbannon@uclink4.berkeley.edu
Honors and Awards Chair	Gail Brager	University of California	510-642-1696	gbrager@socrates.berkeley.edu
Website Chair	Robert Marcial	University of California CEDR	510-849-9057	rmarcial@uclink4.berkeley.edu
Database Chair	Allan Daly	Ove Arup & Partners California	415-957-9445	allan.daly@arup.com
Codes Committee Chair	Dick Glumac	Glumac & Associates	415-398-7667	d.glumac@glumac-sf.com
Attendance Committee Chair	Richard Charles	C & B Consulting Engineers	415-442-0110	rac@cbengineers.com
Auditing Committee Chair	Daniel Reiter	Winzler & Kelley	707-523-1010	danreiter@w_and_k.com
Tennis Committee Chair	Jason Daters	Siemens Bldg Tech	510-783-6000	Jason.daters@us.landisstaefa.com

BAEC Committee Chair	Thomas Reinarts	Keller & Gannon	415-621-1199	tom.reinarts@keller-gannon.com
Golf Committee Chair	Robert Polizzi	California Hydronics Corp	510-293-1993	
Marbles Game Committee Chair	Cindy Regnier	C&B Consulting Engineers	415-442-0110	cr@cbengineers.com
Publicity Committee Chair	Mike Scofield	Conservation Mechanical Systems	707-829-2080	cmscofield@aol.com
Reception Committee Chair (Membership Vice Chair)	Chris Papadimos	Illingworth & Rodkin Inc	415-459-6448	cpapadimos@aol.com
Redwood Empire Section President	J Nelson	Hewlett Packard SAD	707-794-3079	
Seminar Committee Chair	Laurens Vaneveld	Taylor Engineering	510-749-9135	lvaneveld@taylor-engineering.com
Weather Data Committee	Nenad Saric	ATI Engineering Services	925-648-8800	nsaric@atiengineering.com

Have you moved?

Members, please help us keep track of you. If you have recently changed your address, phone, fax or email, please make sure that Society's database is up to date. Call 1-800-5-ASHRAE or change information on Society's website at <http://www.ashrae.org/>. If you want to make changes on-line follow these steps:

- 1) Click on "Membership Records" under the "Members-Only Section" (note you will need your membership # and pin which are on your membership card).
- 2) Click on "Address Change"
- 3) Enter your Name, Membership#, E-mail Address and any changed contact information
- 4) Click on submit

Upcoming Programs:

Month	Program
October 5, 2000	Oct. Meeting, World Trade Center . Speaker: Mike Denamur



Join us for our first program of the year as we tackle the tough issue of open protocols in Building Automation systems. Mike Denamur will present an update to the opening program he gave 4 years ago. Much progress has been made, but there is still much more to be done. Come here about the latest trends in the BAS industry.

Mike Denamur, formerly of Trane Company, is now with Comfort Systems USA, the nations largest supplier of Building Automation Services. He has been intimately involved with innovative integration projects all over the country. With over 20 years experience in automation, he is one of the leading speakers on the subject.

PACIFIC ENERGY CENTER - October and early November 2000 classes

Location and transportation: The PEC is located at 851 Howard Street, San Francisco between 4th and 5th Streets, just two blocks from the Powell Street Muni and BART station and just one block from the huge parking garage at 5th and Mission Streets.

All classes are FREE, but to guarantee a space, please register by calling 415-973-7268 or visiting our Web site (www.pge.com/pec) to register online.

We provide beverages at all classes and allow students time to go out for lunch during day-long classes.

Tuesday, October 3 Basic Electricity

9:00 a.m. to 4:30 p.m.

Get an overview of electric design for buildings, including an in-class exercise on the design of the electrical system for a small commercial facility. Instructor J. Lopez of Lopez Engineering in San Diego has taught electrical engineering at a number of colleges and training centers.

Wednesday, October 4 Photovoltaic (PV) System Design

9:00 a.m. to 4:30 p.m.

We will introduce and evaluate tools to maximize the performance of PV systems. Topics encompass simple hand calculations, physical modeling, and complex computer simulations using tools such as PV Design Pro, PV-Designer, RETScreen, Meteororm, Energy10, Heliodon, and SolarPathfinder.

Wednesday, October 11 Building Materials Showcase

3:00 p.m. to 9:00 p.m. (Refreshments at various times during the event) Visit the PEC for a showcase of environmentally responsible building products, including renewable and/or recycled content and low-toxin materials. Co-sponsored by ADPSR.

Friday, October 13 Design Opportunities in Building-Integrated Photovoltaics (PV)

9:00 a.m. to 4:00 p.m.

Using examples from the U.S., Europe, and Japan, Steven Strong of Solar Design Associates will discuss how to design buildings that incorporate aesthetic PV panels that serve as an integral part of exterior cladding and roofing systems.

Thursday, October 17 Top 10 Performance Issues In Commissioning: How to Diagnose and Correct Them

9:00 a.m. to 4:30 p.m.

This workshop, intended for facility operators, engineers, and commissioning practitioners, applies to both existing equipment and new installations. We will present results from numerous commissioning projects. Class includes a hands-on breakout session examining Pacific Energy Center equipment in operation.

Thursday, October 26 eVALUator, a Windows-based Life Cycle Cost (LCC) Analysis Tool

9:00 a.m. to 4:00 p.m.

Discover the advantages of using LCC to analyze the economic impacts of various design decisions. Basic LCC principles and terminology will be covered.

Friday, October 27 eQUEST, the Quick Energy Simulation Tool

9:00 a.m. to 4:00 p.m.

Learn, hands-on, how to use eQUEST to model commercial building energy use. Automatically evaluate up to ten design options and view the results side-by-side in a graphical format.

Monday, October 30 Desktop Radiance

9:00 a.m. to 4:30 p.m.

Lighting design software Desktop Radiance, a plug-in for AutoCAD®, enables designers to create highly accurate renderings of interior spaces. This hands-on course will show participants how to model a space. Free software included. Proficiency in AutoCAD 14 is required.

Tuesday, November 7 Data Collection and the Universal Translator

9:00 a.m. to 4:30 p.m.

The Universal Translator(tm) (UT) software grew to meet needs arising from the PEC's Tool Lending program. UT facilitates data management and analysis. Get hands-on experience processing data from a variety of sources such as data loggers and computers.

EMPLOYMENT OPPORTUNITIES

Taylor Engineering is looking for HVAC design engineers to join us as we expand. We specialize in innovative large building HVAC and control system design, energy and indoor air quality analysis, and system commissioning. Current projects include the new GAP Headquarters building in San Francisco, GAP San Bruno Phase II, Electronic Arts II in Redwood City, Palm Inc. Campus in San Jose and the Title-24 Energy Standard for 2005. Prospective candidates must have a degree in mechanical engineering or a related degree, a thorough understanding of thermodynamics and fluid flow fundamentals and excellent presentation and writing skills. Candidates must be PC literate and have a working knowledge of Windows, Word, Excel, and AutoCAD. Design/build or field experience is also desirable. Excellent work environment in Alameda. High salaries for top performers.

Send resume to: Glenn Friedman, Taylor Engineering, 1305 Marina Village Parkway, Alameda, CA

Tel: 94501-1028. Fax: 510-749-9136

E-mail: gfriedman@taylor-engineering.com

OUR SUCCESS IS BUILT ON YOUR TALENT.....

Guttman & Blaevoet is a well established SF Consulting engineer firm serving premier architects & Building Owners. We are seeking a project manager with at least 5 years of HVAC consulting experience. Successful candidates will have a strong academic background, be progressing toward a P.E. license, AUTOCAD proficient, and be highly motivated.

E-mail to restacio@gb-eng.com

ASHRAE GOLDEN GATE CHAPTER

Meeting Minutes, July 12 2000

Place: PG&E Center

Attendees:

Ben Sun	President
Joe Olivier	President Elect
Edgar De Guzman	Secretary
Bob Levi	Treasurer
Mark Hydeman	Past President
Jon Wintermeyer	2 nd Year Board
Robin James	1 st Year Board

Items Discussed:

1. All new Member of the Board shall have their electronic photo taken and write a short biography. This biography is to be e-mailed to Robert Marshall for update on website.
2. Mark Hydeman suggested nominating a local member of the Society for "Fellow" or achievement awards.
3. PAOE points must be sent to Society by all committee chairpersons in order for local chapter to get the points.
4. Meeting notes must be posted at the website and copy must be forwarded to Antony Ginameti (Editor of Insite).
5. Liaison officers must remind their committee's chairperson about their tasks.
6. Cindy Reigner is the Marble chairperson/. Ed De Guzman is to find a co-chair ASAP.
7. Joe Olivier said that we have a new Tennis Chairperson.
8. Joe Olivier presented next year's ASHREE meeting schedule and program.

Action Items:

1. Ed De Guzman to ask R. Marshall if we can have a server to list all members (paying or not)
2. Ed De Guzman to remind Allan Daly to start weeding out electronic members and non paying members of the list of FOG dispenser mailing list.
3. M. Hydeman to email the PAOE report to R. Marshall.
4. Joe Olivier to call Dan Noon regarding the tennis trophy and inform Flemming Anderson about it.
5. Robin James to call R. Seidl of ACCO and remind him that he will be the chairperson of TEGA since he is already handling the refrigeration committee.
6. All board members must start finding co-chair to all committees.
7. Edgar, Joe and Mark must return yellow folder to B. Sun.
8. Board to determine the price of voucher and tickets on August.

Motion:

A motion is moved by Robin James to award Charlene Sturm for job well done for the Golf Tournament. A lady's watch was suggested. The motion is seconded by Joe Olivier and passed unanimously.

ASHRAE GOLDEN GATE CHAPTER

Meeting Minutes, September 13 2000

Place: PG&E Center

Attendees:	Ben Sun	President
	Joe Olivier	President Elect
	Edgar De Guzman	Secretary
	Bob Levi	Treasurer
	Jon Wintermeyer	2 nd Year Board
	Cory Palmer	Research Chairperson

Action Items:

1. Edgar De Guzman to forward copies of all meeting minutes to Rachel Bannon and Robert Marcial for Fog Dispenser and Website Publication.
2. Joe Olivier to call Mike Marshall of ASPE regarding the "Product Show" money they owe ASHRAE.
3. Bob Levi to call Wells Fargo Bank regarding the security account and make recommendations on how to improve the investment on this account.
4. Bob Levi to prepare the budget for the next ASHRAE meeting.
5. Mark Hydeman to make a report on how different committees could get "PAOE" points.
6. Board members to transfer yellow folders to the website and write-up synopsis about each committee.
7. Robin James to talk to Glenn Friedman about the scholarship travel plan.
8. Joe Olivier and Bob Levi to send 99-00 taxes to G.G. ASHRAE Accountant.
9. Ben Sun to call IRS to follow-up previous tax problems.
10. Edgar De Guzman to order new stationaries with correct web-site address: "G.G. ASHRAE.ORG".
11. Mark Hydeman to bring a copy of the 2nd page stationary.
12. Mark Hydeman to follow-up the electronic member registration with Allan Daly.

Motions:

1. July 12, 2000
A motion is made by Robin James to award Charlene Sturm and Debbie Marshall for job well done.
An ASHRAE lady watch suggested.
2. August 9, 2000
A motion is made by Joe Olivier to allocate \$2500 to Robin James and authorize her to negotiate with "Horn Blower Yacht" for the coming CRC event.
3. September 13, 2000
A motion is made by Mark Hydeman to allocate \$500 for research chairperson food and lodging expenses for R.P. workshop.

All motions were approved unanimously.

ASHRAE Golden Gate Chapter



The passing of the 'gavil and chapter charter'.



Joe Olivier and Luke Vaneveld



Wilma Jordan and Suzanne Metzger



Where is that bartender?

Gallery 2000 captions - Mike Scofield



We'd like to discuss your portfolio....



Mark Hydeman, Robin James and Karl Guttman



Ross Sherrill and Gil Avery



Let the good times roll.....

1999/2000 ASHRAE RESEARCH ANNUAL REPORT, GOLDEN GATE CHAPTER

Congratulations and thank you to each of the individuals and firms listed below who helped the Golden Gate Chapter collect \$29,611.40 in 1999/2000 for Research!

INVESTORS OF MORE THAN \$1,000

Flack + Kurtz Consulting Engineers
Golden Gate ASHRAE Chapter
SMACNA – Greater Bay Area
Norman Wright Mechanical Equipment Corp.
Pacific Gas and Electric Company

INVESTORS OF \$501 to \$1,000

C & B Consulting Engineers
Thomas A. Gilbertson
Edith Quinn

INVESTORS OF \$251 to \$500

R.F. MacDonald Company	Mark Hydeman	Richard Charles
Flow Products Incorporated	Frank Mayhew	Carrier Corporation
Robin James	Dennis Thompson	Paragon Controls Inc.

INVESTORS OF \$151 to \$250

Kent M. Lim & Company, Inc.
Joe Critchfield
Tempco Equipment Company
Dart Rineford
Bob Levi
Pacific Coast Trane Service
Gerald Yaffe

INVESTORS OF \$101 to \$150

Kendrick Mouw	Chen Meng-Hsiu
Jack Palmer	The Brose Company
Laws & Associates	Taylor Engineering
Ronald Eng	James MacDonald
York International Corp.	John Ward

INVESTORS OF \$100

Bernard Beckius	Jim Nemecek
Kyle Blocker	John O'Brien
Robert De Chene	Joe Olivier
Edgar DeGuzman	Cory Palmer
Barbara Dilts	David Rogers
Herb Duncan	Nenad Saric
Thomas Finlayson	Mike Scofield
Ernie French	Eric Slaasted
Dick Friedman	Ben Sun
Carl Jordan	Dennis Thompson

John Kniveton
Kent Lim
Lane Loyko
Reginald Monteyne

Robert Voelz
Ron Yaffe
Arthur Zigas
Vann Engineering Corp.

INVESTORS OF \$50 to \$99

Richard Yates
John Gajan

Richard Paillon
Linford Service Company

INVESTORS OF \$10 to \$49

Walter Schneider
Edward Arens
Ross Sherrill
Ronald Jang
Robert Roos
Daniel Hoffman

Fernando Palacios
Peter Hartdegen
James Lutz
David Lintott
Robert Davis

Now we're off and running for 2000/2001! Checks payable to ASHRAE Research can be sent to:

Cory Palmer
c/o Norman Wright Mechanical Equipment Corp.
99A South Hill Drive
Brisbane, CA 94005
phone: 415.467.7600 ext. 111
e-mail: cpalmer@norman-wright.com

**ASHRAE GOLDEN GATE CHAPTER
DINNER RESERVATION FAX**

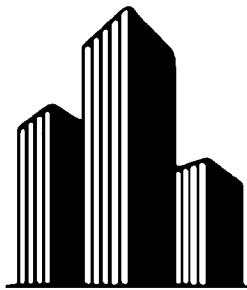
For Thursday October 5th, 2000

Email: John Wintermeyer ASHRAE@atce.com *preferred method of communication!!!!*
FAX: (415) 788-6040 *Please cancel your reservation if you cannot attend the meeting.
Cancellations must be received by the Tuesday prior to the meeting.*

FROM: _____

COMPANY: _____ Phone: _____

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



NORMAN WRIGHT MECHANICAL EQUIPMENT CORPORATION

san francisco ♦ santa clara ♦ santa rosa

Norman Wright Corporation Proudly Supports ASHRAE Research.