

FOG DISPENSER

Golden Gate Chapter



ASHRAE

VOLUME XL - NUMBER 5

FEBRUARY 2002

February Meeting Notice

Date: Thursday, February 7, 2001 at 5:30pm

Place: **Scott's Seafood Restaurant**
Jack London Square
Oakland, CA

Cost: \$35 for GGASHRAE members and guests **w/ advance reservations**
\$42 for non-members and **all w/o reservations.**

Time:
5:00 pm Pre-meeting Topic: Small Tonnage Absorption Chillers by Patrick Hale of "YAZAKI"
5:30 pm Social Hour
6:30pm Dinner
7:30pm Guest Speaker, Danny Nielson P.E. of ACCO

All reservations must be received by **Tuesday January 26th**. Contact Robin James via e-mail (ggashrae@hotmail.com) or fax (707-745-5999). Please provide your name, phone number, total number of reservations and the names of those in your party.

February Program: Speaker: Danny Nielson P.E.

Process Utilities in the Pharmaceutical and High Technology Markets

This presentation will outline the process and plumbing industries that are used in industrial facilities. There are numerous trades that the mechanical contractor must interface with; electrical, structural and fire sprinkler to name a few. Piping and Plumbing installations however, are the most closely related and interdependent systems to HVAC.

Our speaker will focus applications typically used in the Biotech and Semiconductor projects. Systems that will be reviewed will include:

- ?? Purified Water
- ?? High Purity Gasses
- ?? Clean-in-Place (CIP)
- ?? Bulk Chemical Distribution
- ?? Industrial Waste



Danny Nielson is the Operations Manager for process piping division of ACCO. He has been in the construction industry of nearly twenty years in both the semiconductor and pharmaceutical market places. As a graduate from Cal Poly, San Luis Obispo, he has focused his professional career in the high purity industrial marketplace.

Golden Gate Chapter President's Message

January 2002



ATLANTIC CITY ASHRAE 2002!

I was lucky to have been able to go to Atlantic City and attend the ASHRAE convention. For those of you who have never been, it is an experience that will really open up your eyes to just how large and diversified our industry is. For me, it is 4 days and nights of hanging around people who really understand what it is that I do for a living, as compared to my family and friends who still don't seem to get it.

The ASHRAE convention was the largest convention to be held in Atlantic City since the Democratic Convention of 1964! We were featured every night on the local news; I have never seen people get so excited about our industry before! My mother spent summers on the shore in Atlantic City during the 40's and called me during my trip to share her memories of that bygone era. I didn't have the heart to tell her that since the casinos arrived, much of the charm has long disappeared. For me, where the convention is held doesn't really matter since I spend my days on the trade show floor and my nights dining with industry friends from around the country.

Watching the 25,000 or so HVAC professionals prowl the trade show floor with their plastic bags and yardsticks reminds me of Halloween, only with adults instead of children. You see grown men and women comparing the contents of their bags with each other and pointing out which booth has the best coffee mug or "booth babe" (or "booth hunk"). I was the envy of my group when I showed them the stainless steel commuter mug I scored from one of my vendors. Considering how much my company spent with that vendor over the past year, it is probably the most expensive mug I have ever owned!

As part of our scholarship activities, 3 students were given travel grants so they would be able to attend the convention. Rodney Martin, Gwelen Paliaga, and Jane Lin all attended their first ASHRAE convention. They will be briefing us on their adventures in Atlantic City over the next couple of meetings. These students represent the next generation for our industry and I can assure you that we are in good hands!

Our January luncheon meeting at the Carnelian Room was a rousing success! If lunch meetings work better for you, let Edgar DeGuzman know and perhaps next year we will add an additional luncheon meeting.

The February meeting will be held at Scott's Seafood in Jack London Square. Last year we had a really full house so be sure to reserve early so we will have enough food. I am looking forward to hearing about Danny Nielson's "Review of Mechanical Utilities in the Semi-Conductor and Bio-Tech Industries" and finding out how I can apply his ideas to my business. I look forward to seeing you at the meeting!

Respectfully submitted,

Joseph R. Olivier, P.E.
ASHRAE Golden Gate Chapter President

2002 PROGRAMS

GOLDEN GATE CHAPTER OF ASHRAE

| DATE | LOCATION | PRE-MEETING | MAIN PROGRAM | SPEAKER |
|-------|---|---|---|------------------------------------|
| Feb 7 | Scott's Seafood Oakland | Small Tonnage Absorption Chillers by Patrick Hale of "YAZAKI" | Review of Mechanical Utilities in the Semi-Conductor and Bio- Tech Industries | Danny Nielson P.E. ACCO Inc. |
| Mar 7 | Embassy Suites San Rafael Joint with Redwood Empire Section | Mark Rubin of Capstone Turbine presenting Microturbine Generator Applications | Effective Ventilation Design: Diffusers, Box Minimums, OSA Damper Control | Dan Int-Hout Carrier |
| Apr 4 | PEC San Francisco | Product Show | Scholarship Winners Science Fair Award Winners | Winners |
| May 2 | Genentech Field Trip | None | Genentech, South San Francisco Field Trip | Mark Hannon Genentech |
| Jun 6 | Carnelian Room San Francisco | Technical Presentation on Hydronics System and Control Valves by Robin James of "Belimo" | The Seven Habits of Highly Effective People Spouse's night | Werner Buck Belimo |

MINUTES OF JANUARY 10, 2002 CHAPTER MEETING

Location – Carnelian Room, San Francisco

??Meeting called to order at 12:18 p.m.

??Minutes from December meeting were approved.

??Self Introductions

??David Dacus, Research Promotion Chair, announced that the Board members had all contributed at the Honor Roll level achieving the Full Circle award.

??Joe Olivier introduced Emily Golembieski, the chapter's new Database Manager.

??Ben Sun was acknowledged for receiving his Past President's name badge.

??Joe Olivier mentioned that this was the one lunch meeting of the year. If members prefer a lunch meeting they should notify Edgar DeGuzman, Program Chair.

??Ron Schnieder, Trane Company, was the Guest Speaker. His topic was "Taking Advantage of New Technology for Chilled Water Systems". The basis was the application of three tenets for all airside and waterside systems: low flow, low temperature, and high efficiency.

??Marble Draw – Joe Olivier won the pot of \$600+. Joe promised to contribute 50% to Research Promotion.

??Meeting adjourned at 1:30 p.m.

Minutes by Bob Levi

PRE-MEETING

Speaker: Mr. Patrick Hale, Yazaki Energy Systems, Inc.
Topic: Applications of Absorption Chillers Below 100 Tons

Absorption chiller technology and control have come a long way. Double-effect cycles and advanced technology ensure high performance and long-term reliability. Capacities of 30 through 100 RT are available to either cool or heat installations such as schools, offices, hospitals, industrial facilities, and hotels. Case studies will be presented to refute the myth that absorption chillers are prohibitively expensive to install and maintain.

ASHRAE Research Report

Have you used your ASHRAE handbooks lately? If so, you realize how much research has gone into producing these books. The research for these books is your donation dollars at work! Every dollar that you donate goes to support ASHRAE Research.

The following individuals have donated on the honor level in the last month. If you have donated and have not been recognized please notify us. We want to make sure to recognize everyone who has donated!

Corporate Honor Roll Investors (\$150.00 or more)

American Mechanical Services

Guttman & Blaevoet

Individual Honor Roll Investors (\$100.00 or more)

Gail Brager

Gerald Yaffe

Thanks to everyone who has donated!

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

c/o David Dacus

Taylor Engineering

ddacus@taylor-engineering.com

1305 Marina Village Parkway, Suite
101

Alameda, CA 94501

(510) 749-9135

*****Sponsors Needed*****

We are in search of Companies willing to sponsor a monthly meeting by donating prizes for the "Marble Game" raffle. The majority of the money raised at each meeting is donated to our scholarship fund. Posters will be made advertising the company name and logo of that month's sponsor.

If you or your company are interested in helping, please contact Nicolina Guiliano @ 650-872-5246 or email nicolina.guiliano@ebward.com.



ASHRAE Fellow presentation at ASHRAE for
Gail Brager and C. Mike Scofield

ASHRAE GOLDEN GATE CHAPTER - DINNER RESERVATION FAX

For February 10, 2001

Email: Robin James (ggashrae@hotmail.com)

FAX: (707) 745-5999

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):

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 Customer Service Section: 1-800-5-ASHRAE (US and Canada).

Employment Opportunities

Taylor Engineering is looking for HVAC design engineers to join our team. We specialize in innovative large building HVAC and control system design, energy and indoor air quality analysis, and system commissioning. Recent projects include the UC Merced Office/Classroom, Master Specifications and commissioning, GAP Headquarters building in San Francisco, GAP San Bruno Phase II, Electronic Arts II in Redwood City 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.

Please send resume to:

Glenn Friedman
Taylor Engineering
1305 Marina Village Pkwy
Suite 101
Alameda, CA 94501-1028
Fax: 510-749-9136.
E-mail: gfriedman@taylor-engineering.com

PRODUCT SHOW COMMITTEE CHAIR NEEDED FOR APRIL 2002 PRODUCT SHOW

Every April we hold the Golden Gate Chapter ASHRAE Product Show at the PG&E Pacific Energy Center. The Chapter needs a volunteer to organize this year's Product Show, which will be held on April 4. This is a great way to become more involved with the Chapter and the time commitment is minimal (10-12 hours total). The responsibilities of this position include contacting participants and exhibitors from previous years, collecting payment from exhibitors, and organizing the raffle.

Please contact Cory Palmer via e-mail (cpalmer@norman-wright.com) or phone (415-467-7600 ext. 111) with any questions or to volunteer.



Our degreed engineers will provide application assistance in the design, layout, and selection of products from our resources to meet all your project requirements