

FOG DISPENSER

Golden Gate Chapter



ASHRAE

VOLUME XL - NUMBER 7

APRIL 2002

April Meeting Notice

Date: Thursday, April 4, 2001 at 5:30pm

Place: **Pacific Energy Center**
851 Howard Street
San Francisco, CA 94103

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

Time:
5:00 – 6:30 pm Table Top Displays
Social Hour/Hors d'oeuvres
(Bar opens at 5:00)
6:30 pm Dinner
7:30 – 8:30 pm Scholarship Winners
Presentations
Science Fair Award Winners

All reservations must be received by **Tuesday March 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.

April Program: Scholarship Winners Science Fair Award Winners

GGASHRAE, headed by the Student Activities Chair, Michael Richardson judged the Bay Area Science Fair on April 4, 2002 and awarded several awards that will be presented at the next meeting. The winners of the Mechanical Engineering Achievement Award are:

Eryn C. Lucas

Hayward High School – Hayward, Ninth Grade
“What Color Absorbs the Most Light (Heat) the Quickest, What Color Loses Heat the Quickest”

Patrick Londen

French American International School – San Francisco, Eighth Grade
“Going With the Flow”

Catherine Janes

West Marin – Point Reyes, Eighth Grade
“Water Pipe Insulation”

Brad Splady

Wood Middle School, Seventh Grade
“Do Different Metals Lose Heat at Different Rates?”

Chris Lynch

Redwood High School – Larkspur, Eleventh Grade
“Down with Drag: Part Deux – Further Investigation into the Mechanism of Decreased Hydrodynamic Drag in Swimsuit Design”

Brian Damert

Redwood High School – Larkspur, Tenth Grade
“The Effects of Sound Insulating Material on an Amplified Guitar Note”

Golden Gate Chapter President's Message

April 2002

April is Product Show and Student Month!

Your ASHRAE board and our capable crew of member volunteers are busy assembling quite a meeting for April! Our Annual Product Show, chaired by Shaun Webster of York, will take place upstairs at the Pacific Energy Center on Thursday, April 4th before we sit down for our monthly chapter meeting. Come early to the meeting and you'll have a chance to talk to the exhibitors and find out the latest in what's happening in our industry. As a further enticement, there will be refreshments and door prizes as well! Space is limited for exhibitors so if you are interested in having a table top display give Shaun a call at 925-417-7223 today!

You won't want to miss any of the April meetings. In conjunction with the Product Show, it's also Student night! The chapter will be recognizing the winners of our scholarship essay contest with cash grants. These grants are funded from the chapter's Don Bryant scholarship fund as well as the Erik Thor Andresen Memorial scholarship fund. Every year I am constantly amazed at the caliber of writing submitted by the students.

But wait, there's more! We will also be recognizing winners of the Golden Gate Chapter's awards for the Bay Area Science Fair. Continuing a long Golden Gate tradition, each year representatives of the chapter view the entries at the Bay Area Science Fair. These projects represent the top entries from high schools around the Bay Area. The Golden Gate chapter selects the top projects that have a connection to our industry and awards these students with a \$100.00 U.S. savings bond. We also invite the student and a chaperone to join us at the April meeting and have the student tell us about their project. It's a great chance for us to see future engineers and give them encouragement to pursue our profession.

Coming in May:

After an absence of many years, the chapter will be hosting a tennis tournament on May 17th! The tennis tournament has traditionally been a fundraiser for the Erik Thor Andresen Memorial Scholarship Fund. Erik was a promising young engineer who died in a tragic accident in 1990. His parents, Fleming and Svava Andresen, set up a scholarship fund in his memory with the chapter in 1991 for the purpose of giving grants to young engineers that are studying the HVAC industry. The Andresens have generously agreed to match the proceeds from the tournament that will go to the fund.

If you are interested in playing in the tennis tournament, let chair Jason Daters know by sending him an email at <mailto:tennis@ggashrae.org>.

Respectfully Submitted,
Joseph R. Olivier
Chapter President

2002 PROGRAMS GOLDEN GATE CHAPTER OF ASHRAE

DATE	LOCATION	PRE-MEETING	MAIN PROGRAM	SPEAKER
Apr 4	PEC San Francisco	Product Show	Scholarship Winners Science Fair Award Winners	Winners
May 3 Friday	Carnelian Board Room 555 California St. San Francisco	No Host Bar/ Bring Your Spouse / Girl / Boy Friends Or Both	"SOCIAL NIGHT" " Dinner/Dance, Golden Oldies/ Rock & Roll/ Swing/ Cha-Cha, and much more.	DJ
Jun 6	Carnelian Room 555 California St. 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 MARCH 7, 2002 MEETING

GOLDEN GATE CHAPTER JOINT MEETING WITH THE REDWOOD EMPIRE SECTION

Location – Embassy Suites, San Rafael

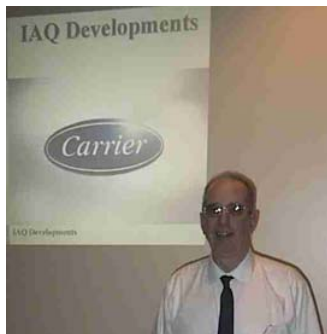
- Pre-Meeting Technical Seminar by Dan Int-Hout of Carrier about UV-PCO (Photo-Catalytic Oxidation). Using Titanium Dioxide as a catalyst along with Ultra Violet Lights for improved indoor air quality
- First joint meeting of the Golden Gate Chapter and Redwood Empire Section called to order at 6:40 p.m. by Paul Irwin, Redwood Empire President
- Self Introductions
- Past Chapter Presidents in attendance were recognized
- David Dacus, Research Promotion Chair, pleaded for contributions to ASHRAE Research.
- Shawn Webster, Product Show Chair, announced the April 4th event.
- Cory Palmer announced the Tennis Tournament on May 17th; Jason Daters is Chair.
- Kirk Peterson, Golf Tournament Chair, announced that the Annual Golf Tournament at Sharp Park in Pacifica on Friday, June 21st.
- Bob Voelz received a standing ovation for his 50 year ASHRAE member award. Dick Charles paid a tribute to Bob by commenting that Bob was always willing to help and offer advice.
- Paul Irwin, Redwood Empire President announced the Redwood Empire Golf Tournament on October 18th. Paul also announced next year's officers for the Redwood Empire Section. Paul noted that two \$1,000 scholarships are available.
- Mike Scofield was honored by Paul Irwin for his service to the Redwood Empire Section
- Dan Int-Hout, Carrier Corporation was the main speaker. His presentation was about Selecting VAV terminals for acceptable Indoor Air Quality. Dan offered a software package – a link is posted on the Golden Gate Chapter website to download this (www.ggashrae.org Select Meetings, Scroll to March 7, Click on presentation to download a 3 meg zip file.
- Marble Draw – No one won the prize
- Meeting adjourned at 9:03 p.m.

Minutes by Bob Levi

MOTIONS

Cory Palmer made a motion that the Golden Gate Chapter contribute \$2000 to ASHRAE Research Promotion. Approved Unanimously.

Snapshots from the March Joint Meeting with Redwood Empire



Dan Int-Hout our March Meeting Speaker



Sonoma Counties Finest



Paul Irwin introduces the Redwood Empire Candidates



Mike Scofield receives Redwood Empire Award presented by Paul Irwin



Bob Voelz receives the 50 Year ASHRAE Award



John Cross and Mike Lefler

ASHRAE Research Report

We are in the home stretch of the ASHRAE Research Year. Have you donated yet? It's not too late to make a donation and make a significant impact on the HVAC industry through research.

The following individuals have donated on the honor level in the last month. If you have donated and not been recognized please let us know. Thanks to everyone who has donated!

Individual Honor Roll Investors (\$100.00 or more)

Steve Taylor

Randy Gale

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



ASHRAE Research
c/o David Dacus
Taylor Engineering
1305 Marina Village Parkway, Suite 101
Alameda, CA 94501
(510) 749-9135 phone
ddacus@taylor-engineering.com

2002 Golden Gate Chapter Tennis Tournament

The Chapter tennis tournament is being revived by popular demand! This year's tournament will be held at the San Francisco Tennis Club on Friday, May 17, 2002, from 9:00 a.m. to 12:00 noon. Registration is first come, first serve, until the tournament bracket is full. Listen for announcements at the monthly meetings and please contact Jason Daters with any questions.

Jason Daters
Tennis Committee Chair
510-723-7728
tennis@ggashrae.org



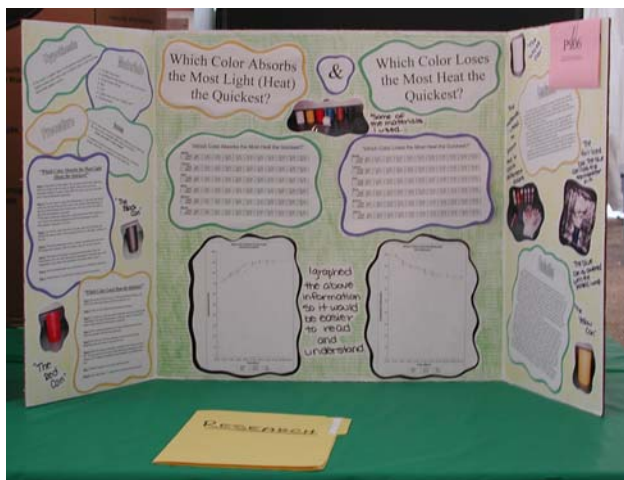
******Sponsors Needed******

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.

At the March Meeting Wasil loses at marbles.

CONGRATULATIONS TO THE BAY AREA SCIENCE FAIR WINNERS!

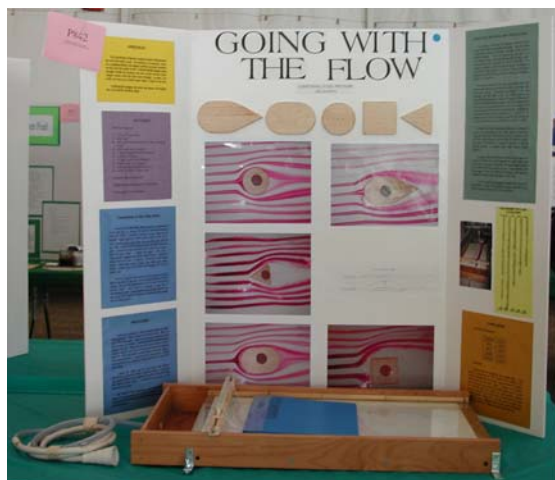
Here are the displays presented at the Bay Area Science Fair on April 4, 2002 that were winners of the



Eryn C. Lucas

Hayward High School – Hayward, Ninth Grade

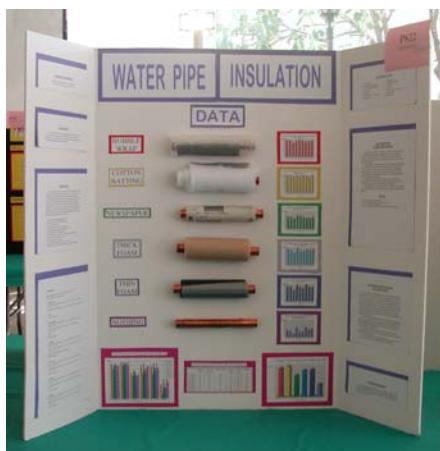
“What Color Absorbs the Most Light (Heat) the Quickest, What Color Loses Heat the Quickest”



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“Going With the Flow”



Catherine Janes

West Marin – Point Reyes, Eighth Grade

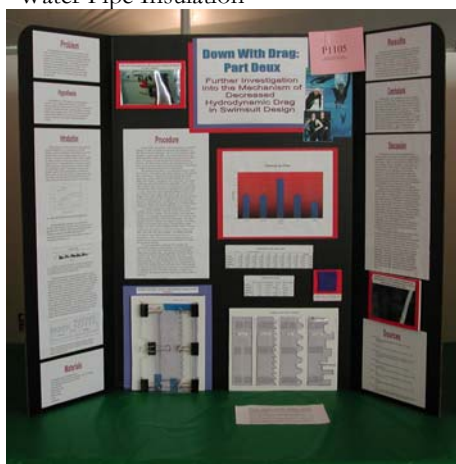
“Water Pipe Insulation”



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“The Effects of Sound Insulating Material on an Amplified Guitar Note”

CAMPBELL, Thomas Carlton -- passed away peacefully at Washington Hospital Center in Washington, DC on March 8, 2002. Beloved husband of Dolores I. Campbell for 51 years. Loving father of Thomas George Campbell (Robin), Judith L. Campbell (Richard Jackson), and Virginia C. Zalman. Cherished grandfather of Charles T. Zalman and Rachelle Miller.

A Memorial Service will be held on Thursday, March 14th at 1:30 p.m. at St. Francis Cabrini Church, 1533 Woodward Rd., San Jose. Private Interment at Holy Cross Cemetery, Colma. The family prefers donations to the American Cancer Society, 1715 South Bascom Ave., Suite 100, Campbell, CA 95008-0607. LIMA FAMILY SANTA CLARA MORTUARY serving the family.

Our past chapter president, Tom Campbell, passed away recently. Here is his obituary as reported by the San Jose Mercury News.

ASHRAE GOLDEN GATE CHAPTER - DINNER RESERVATION FAX

For April 4, 2002

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

OUTSTANDING OPPORTUNITIES IN SACRAMENTO!

- Growing metropolitan area
- Healthy outdoor lifestyles
- Affordable housing/cost of living
- Close to urban and resort centers (San Francisco Bay Area, Lake Tahoe, Napa Valley)

If you have the desire to excel and advance your career with a dynamic, leading-edge mechanical engineering firm, then come grow with us!

Capital Engineering Consultants, Inc., a 65 person consulting firm, is seeking top quality **HVAC Engineers** and **Project Managers** to work on challenging and innovative projects, including healthcare, laboratory, education, government, and sustainable design projects. CECI offers excellent compensation, benefits, flexible hours, and a great work environment.

Please send resume to:

**Capital Engineering
Consultants, Inc.**

Tom Duval

7300 Folsom Blvd.

Sacramento, CA 95826

Fax: 916.386.2610

E-mail: tduval@capital-engineering.com

Employment Opportunity at Acutherm

Application Engineer responsible for customer technical support including assisting with design of systems using VAV diffusers and troubleshooting.

Require engineer with P.E. in process or in place and with 1 to 5 years experience in either a design build contracting firm or consulting firm.

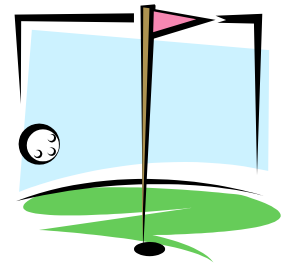
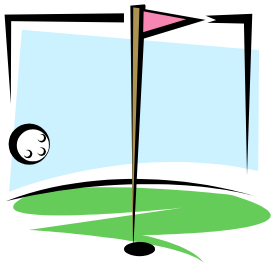
Acutherm website is

<http://www.acutherm.com>

Send resumes to Jim Kline

Fax 510-785-2517

Email jimkline@acutherm.com



ASHRAE Golden Gate Chapter 2002 Golf Tournament

Friday, June 21, 2002 • 12:00pm Shotgun Start

Sharp Park Golf Course

Registration starts at 9:30 a.m.

Awards Dinner • Scramble Tournament

- Two "Longest Drive" Contests • Two "Closest to the Pin" Contests
- \$5,000 Putting Green Contest • Two shots at a \$10,000 Hole in One • Prize Raffle

Pricing:

(all packages include dinner and golf goodies):

Gold Sponsor.....	\$1,800
<i>(4 foursomes, 2 tee sponsorships)</i>	
Silver Sponsor.....	\$1,400
<i>(3 foursomes, 1 tee sponsorship)</i>	
Bronze Sponsor.....	\$ 950
<i>(2 foursomes)</i>	
Basic Team.....	\$ 500
<i>(1 foursome)</i>	
Single Player.....	\$ 130

Contest Sponsors, Tee Sponsors, and Prize Donations are graciously requested

All proceeds benefit ASHRAE Research

NOTE: THIS COURSE IS LIMITED TO 168 PLAYERS ONLY.

LAST YEAR WE HAVE 180 PLAYERS

MAKE YOUR RESERVATION EARLY SO YOU WON'T BE DISAPPOINTED

For more information, or to sign up your team, please contact Kirk Peterson at 650.872.5207 or via e-mail: golf@ggashrae.org

We invite you to be a "Friends of Construction" sponsor of our
"Careers in Construction"



EXPO



Thursday, April 18th, 2002

11:00 A.M. – 7:00 P.M.

Veterans Memorial Building, Santa Rosa

Get ready for the biggest construction job fair ever held in the North Bay! Leading building industry associations and dozens of suppliers are joining the North Coast Builders Exchange to help tackle our biggest ongoing problem – not enough good, qualified workers.

The show will include booths where Expo attendees can learn about exciting career opportunities in construction...live demonstrations of framing, plumbing, electrical work, roofing, tiling, painting...displays of heavy equipment...and more!

To help make it happen, we'd like you to become a "Friends of Construction" Sponsor, at a cost of \$250.

You'll be listed in the extensive publicity (radio, newspaper ads, and a special 12-page section that will run in a Sunday edition of the Press Democrat), as well as being identified in all signage and printed material at the event.

Just fill out the form below and return it with your check no later than Friday, March 1st. You'll be helping all of these sponsors listed below make the Expo a reality:



- North Coast Builders Exchange
- American Society of Heating/Refrigeration/Air Conditioning Engineers
- Associated General Contractors
- Civil Engineers & Land Surveyors of California
- Engineering Contractors Association
- Home Builders Association
- Redwood Empire American Subcontractors Association
- Redwood Empire Independent Electrical Contractors

Yes, We'd Like To Be A "Friends Of Construction" Expo Sponsor!

Company Name _____

Key Contact _____ Title _____

Address _____ Phone _____ Fax _____

Make \$250 sponsorship check payable to: "Careers in Construction Expo", P.O. Box 6025, Santa Rosa, CA 95406



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