

5. The following Region 10 Committee Chairman each made a report on the activities of their committees during the past year.

- John Harnak (So. Calif.) ----- Membership
- Neal Adams (So. Calif.) ----- Education
- Cy Hansen (No. Nevada ) ----- Research Promotion
- Richard Charles (Golden Gate) ----- Energy Management
- Walter Biddle ) ----- Historian

6. Richard Charles reported on the combined Golden Gate Chapter and Southern California Chapter's Temperature Data Book now in the process of preparation. Mr. Charles stated that other Chapters will be given the opportunity of buying these Data Books and reselling them to their members.

7. Meeting Chairman Donley called upon the Delegate from each Chapter to make an oral report of the activities of their Chapter during the past year.

8. Mr. Donley asked for motions prepared by each Chapter. James Holden presented Golden Gate Chapter's motions which were as follows:

- a. Do away with the present point count merit system of comparing Chapters in an effort to improve professionalism in Chapter activities. Motion defeated.
- b. Reduce the number of days of business meetings for CRC to two days, preferably on Friday and Saturday in order to increase attendance of the rank and file membership and not work an unreasonable hardship on the Delegates. Motion defeated.
- c. Establish a Society policy not to promote, as a Society, the goals of any special interest group (including agencies of the US government) whether or not they appear to agree with the goals of the Society. Motion defeated.

Southern California Chapter proposed that the educational work background and other requirements now required for obtaining the rank of "Associate Member", be waived. Motion defeated.

Hawaii Chapter proposed that the present "Man-Mile" award currently given for members attending the CRC meetings be retired and that a new trophy be put forth which will give other Chapters besides the Hawaii Chapter an equal opportunity for winning. Motion passed. Mr. Donley asked the Hawaii Chapter to propose the requirements for winning this award.

9. It was announced that the 1981 CRC meeting will be held in San Jose on the 1st week in May at the Marriott Inn in Santa Clara. The 1982 CRC will be held in Tuscon and the 1983 CRC will be held in Reno.

10. Nominations and balloting was performed for the Regional Officers and Regional Chairmen of Committees. The results of these elections will be announced later inasmuch as the purpose of this elections is only to recommend officers and committee chairmen to the Society who will make the actual selections.

11. The meeting was adjourned at 12 noon, May 3, 1980.

MAIL OR PHONE NEWS TO:  
 RICHARD H. WELLS, EDITOR  
 925 Kearney Street  
 El Cerrito, CA 54530  
 524-1477



VOLUME XIX NO. 8

JUNE 1980

MEETING ANNOUNCEMENT

DATE: ..... June 5  
 TIME: Social Hour.... 5:30 P.M.  
 Dinner..... 6:30 P.M.  
 WHERE: Engineer's Club  
 Hong Kong Bank Building  
 16th Floor  
 160 Sansome Street  
 San Francisco

JUNE PROGRAM

CHAIRMAN: Jim Holden  
 SUBJECT: Annual Business Meeting and  
 Past President's Night

This is the night that all attending past presidents and their wives or girlfriends are honored as guests of the chapter. Also this is the night that honors and awards are presented, committee reports are made, and the gavel is turned over to the incoming president.

Included in the mailing of this issue of the Fog Dispenser is a returnable form to sign up for committee work. The committee level is where the work of ASHRAE is basically accomplished and it is thru the work of the thousands of local chapter committee members that ASHRAE has gained such a successful position among professional societies. Traditionally, in our chapter, a committee chairman has maintained the chairmanship for two years before moving on to other positions. This year about one half of our chairmen will have to be replaced. Committee members we are always short of. Please do your part for the chapter and volunteer.

HONOR ROLL

MARINWAYS, INC.

Jim Holden

1265 Folsom Street

431-4503

San Francisco, 94103

**Corner**

**President's**



Thomas A. Gilbertson

Our June meeting coming up is the last one for this----The year went quicker than ever and it is obvious to me that the last seven years went quicker than I ever would have imagined.

The opportunity to serve as President of the Golden Gate Chapter, has been very much appreciated. Thank you very much!

The Golden Gate Chapter will raise specifically for research this year, something in excess of \$6000.00. Additionally, we are funding our own chapters local "research project" in the development, jointly with the Los Angeles chapter, of the Temperature Data book.

In a period of about 3 to 4 years our chapter will spend, in my estimate, an additional \$6000.00 on the Temperature Data book. We will recover these funds eventually from the sale of the material, but for a few years it will appear that we are shorting our "national research contribution".

I personally like the idea of being able to have direct control over funding for research, so I have to admit I don't feel very bad about not sending all the money on to National and then asking for funding back, from National, so we can do some project locally.

Published Monthly, October through June, by the Golden Gate Chapter of the American Society of Heating, Refrigerating and Air-Conditioning Engineers, c/o Duplicating Associates, 370 Brannan Street, San Francisco, CA 94107—Phone 495-4552

Tom Reinarts mentioned to me sometime last month that an engineering magazine that will address the needs of the Bay Area is in the infant stages of being published. You can look forward to receiving some additional material on that this fall.

Getting back to the concept of local control or sending funds on to the National headquarters, gets me to thinking about Big Government, Big Companies, etc.. I like the idea of local control. Taking the case of the Temperature Data Book, surely no technical committee, meeting twice a year, would be able to discern what towns and cities of Northern California ought to be accurately described, insofar as design temperature conditions. By being small and local, we are able to satisfy our own needs because surely no one better than ourselves is able to perceive them. This same line of reasoning in my mind, goes on to the government and all of its programs and to manufacturers and their attempts to design some unit that satisfies the entire breadth of the United States market. Just like our climate is different, quite dramatically than the rest of the country, so are individual needs. Why don't we have enough faith in ourselves to be able to stand up for what we know to be exactly proper for our industry and for ourselves, and take the steps to provide that. I rebel at the thought, as presented by manufacturers, that the same unit able to sell successfully in Chicago and New York is exactly what we require locally. Which, in the next step of the reasoning process, brings me to the difference between the large and the small companies. By my experience, it is the smaller ones that are more flexible and willing to meet the needs as well as being the ones that bring out the developments that change our industry. The bigger areas of control, like large government and large companies, seems to be layered with bureaucracy, which to me, most often begins to lose sight of the true needs, i.e., serving the customer.

In closing I would like to give a special thank you to all the Board Members and wish the incoming President, Jim Holden, all the best in the coming year.

Thank you ----- Tom Gilbertson

TREASURER'S REPORT

AEE

MARCH

Assets -----	\$11,859.54
Liabilities -----	1,255.00
Members' Equity -----	10,604.54

APRIL

Assets -----	\$ 9,536.14
Liabilities -----	1,255.00
Members' Equity -----	8,281.14

Sharing the bar with us during the June Chapter Meeting Social Hour will be the Association of Energy Engineers. This relatively new society, of which Grant Bentley is the local chapter secretary, will be meeting at the same time due to the availability of their National President for an appearance. Because we share similar interests in energy it might behoove us to speak kindly to them at this joint social hour. Of further interest, their national HQ is in Atlanta, so in another year our national HQ will be a neighbor.

**MAY SOCIAL**

This year's annual social was held on April 26th at the Alta Mira Hotel high in the hills of Sausalito overlooking the bay and city lights. Forty two enthusiastic members and guests gathered in the hotel's view lounge for a pre-dinner toast before entering the private dining room for a delightful dinner and dancing. For those who missed it this year, make a special effort to get in on the fun next year without fail.

REPORT ON THE 1980 CHAPTER'S REGIONAL COMMITTEE (CRC-80) MEETING

HELD MAY 1-3 AT THE RED LION INN, SACRAMENTO. GOLDEN GATE CHAPTER DELEGATE - JAMES HOLDEN; ALTERNATE DELEGATE - ROBERT PHILLIPS.

The business meetings were chaired by Region 10 Director Wallace Donley.

1. Following the call-to-order and instructions to delegates, Mr. Donley asked for nominations from the Chapters for the Regional Award of Merit. There were no nominees.
2. Past Director of Region 10 and now Vice President-Elect for the Society, Richard Perry, addressed the Delegates. Mr. Perry stated that the "SYSTEMS" volume handbook is scheduled to be mailed out to members in June 1980. He told the audience that ASHRAE total membership is now approximately 40,000. In addition, it now appears that the Society national dues will have to be increased from its present \$50 per year in order to cover expenses. Mr. Perry said that the Society's main office, now at the United Engineering Center in New York City, will be moved to Atlanta, Georgia this summer, due to a lack of expandable space at the present headquarters. Of the present New York headquarters staff of 60, only about 15 managerial members will move to Georgia. The Society is planning to present seminars on the ASHRAE series 100 standards.
3. Tom Wells (secretary of the Sacramento Valley Chapter) was elected to be the permanent secretary for CRC-80.
4. Mr. Donley described a proposal to provide "up-front" money to the Chapter hosting the CRC for that year. This proposal would levy a 75¢ charge per member (one time only) against each chapter to develop a Regional revolving fund. This fund would be loaned, interest-free to the CRC host Chapter to ease their pre-meeting cash flow problems. Following each year's CRC meeting, the loan would be repaid. The Region Director would invest this fund during the period that it was not in use by the CRC host Chapter. Motion was made, seconded and passed that this proposal be adopted.

MEETING MINUTES

Minutes of the March 6, 1980 General Meeting (Annual Ladies' Night)

1. Meeting called to order by President Thomas Gilbertson.
2. Introduction of members and guests. There were 43 members and 28 guests present.
3. Nominations for the 1980-81 Chapter Officers as proposed by the Nominating Committee and as published in the March FOG DISPENSER were read. Motion was made that this proposed slate of Officers be accepted and that the nominations be closed. Motion was seconded and carried.
4. The guest speaker for the evening was San Francisco Superior Court Judge Ollie Marie Victoire. Judge Victoire described in detail the San Francisco City Court system, the California Court system and the Federal Court system. Following her enlightening talk, a general question and answer period followed.
5. President-elect James Holden, before adjourning the meeting, announced that the next meeting will be the Annual Social.

LEGAL LIABILITY SEMINAR

Joseph McQuillan, B.S.M.E., J.D., P.E. of San Francisco and the Golden Gate Chapter announces a Financial Responsibility and Legal Liability Seminar to be held Friday and Saturday, April 18 and 19 at Rickey's Hyatt House, 4219 El Camino Real in Palo Alto.

According to Mr. McQuillan, "the seminar should be of interest to fellow ASHRAE members whether they be engineers or manufacturer's representatives. The subject matter should be of interest to everyone who needs to know their legal responsibility in their particular activity".

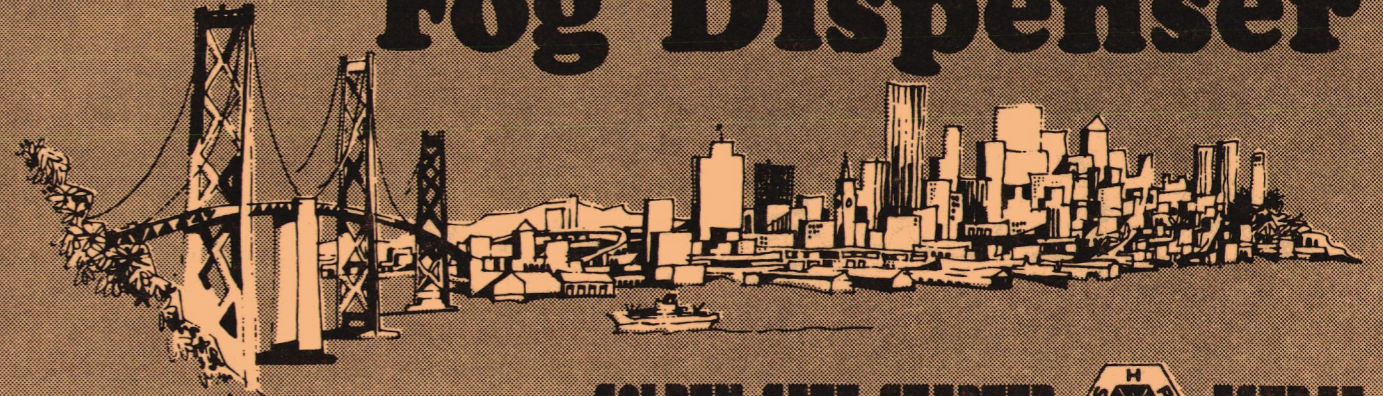
To get information on enrolling in this seminar call 986-1996 or 986-1998. The seminar is being conducted under the auspices of the University of California Extension at Santa Cruz. Topics will include tort law, negligence, warranty law, contract law, arbitration and mediation, statutory law, licensing and building codes, public safety, insurance considerations and loss prevention programs. Enrollment is limited so call now.

SEND NEW MEMBERS TO

JIM NEMECHEK

871-6808

# Fog Dispenser



GOLDEN GATE CHAPTER  ASHRAE

VOLUME XIX NO. 67

april MARCH, 1980

MEETING ANNOUNCEMENT

DATE: April 3  
 TIME: Social Hour....5:30 P.M.  
 Dinner.....6:30 P.M.  
 WHERE: Engineer's Club  
 Hong Kong Bank Building  
 16th Floor  
 160 Sansome Street  
 San Francisco

APRIL PROGRAM

CHAIRMAN: Jim Holden  
 SUBJECT: Annual Energy Studies  
 Carl Jordan of Skidmore, Owings and Merrill will present an illustrated talk on energy studies on S.O.M. projects for the last two or three years including building envelopes and HVAC systems.



As you all know, CRC (Chapters Regional Conference) will be held in Sacramento this year, from April 30 through May 3. Announcements have been mailed out by the Sacramento Chapter. Sacramento is not far away. Please give your serious consideration to attending - at least a few sessions and help maintain Golden Gate Chapter's reputation for being active.

👁👁👁 HONOR ROLL 👁👁👁

MONTGOMERY AND ROBERTS

925 Kearney Street

524-1477

El Cerrito 94530

# Corner

President's



Thomas A. Gilbertson

CRC - That's Chapters Regional Conference, for our Region 10 (which is four of the states from the old Region 10) meets in Sacramento April 30, May 1, 2, 3. If you have the slightest opportunity to attend you really should make a concerted effort to go to Sacramento to hear and see what ASHRAE is doing.

Your Society solicits your input; this begins at the Chapter's Regional Conference. Additionally, you will get to meet all of the ASHRAE members in Hawaii, Arizona, California and Nevada that make your Society go. Our old Region 10 included Washington, Oregon and Alaska but these have since been put away into a new Region 11 which includes those three states plus the Canadian Provinces which stretch over as far as Ontario...

Standards seem to be always of interest. For a moment let's look at the "standards", that as members of

ASHRAE, you probably come across most often. By these I mean NEMA, ARI, ASME, UL, AMCA, IBR and so goes the long list of the rearranged alphabet. We see these used in every day language of our industry. As an example, if each of us was going to be subjected to a "leak type joint, in accordance with ASME..." we'd probably have a feeling of security. However, on closer examination you might find that the "ASME standard" for a leak type joint actually limits the leak to about a gallon in 24 hours as measured by a series of drips. (Probably not acceptable, especially above a tile ceiling.) The gist of this item is that like so many things these days, we really ought to read the fine print.

I remember how disappointed I was when I found out what the "ARI standard", as related to chiller performance and chiller capacity, actually permitted.

Dean Rusk, when he was Secretary of State, is said to have offered that "memorandums to inform, seldom if ever, carry to recipient the information; quite to the contrary... they were most often used to protect the writer". Now we get down to perhaps the next question; who wrote or who writes or who controls these wonderful groups of standards that we use...most often quite loosely. And for whom and whose protection are these standards really designed?

Please don't infer from reading this that Machiavelli's pen lurks behind every assemblage of three or four capital letters. On the other hand,

## MAY SOCIAL

Jerry Kechter, our Social Chairman, has arranged for a dinner dance at the Alta Mira Hotel in Sausalito to be held April 26.

The price will be \$35 per couple for dinner and dancing. A maximum of 40 couples can be accommodated so send your check in quickly to:

Jerry Kechter  
2028 Saguna Vista Drive  
Novato, Ca. 94947

For those who may like to stay all night, accommodations may be reserved by calling Susan at the Alta Mira, 332-1350. Rooms are available at \$40 and \$50 per night.

## ATTENTION TENNIS PLAYERS!

There's still time to get in your reservation for a great day of tennis with the San Jose Chapter.

Call 326-9115 to reserve your space on Friday, May 16.



good prudence might direct our effort to a rather more close scrutiny of standards that some groups might suggest are in fact "standards".

Since our Society consists by and large of mostly contractors and engineers, most carrying one or more licenses, we are from time to time capable of determining exactly the standards we deem fit.

## SMOKE CONTROL

The Golden Gate Chapter Code Committee has been reviewing a proposed change to Chapter 7 of the Uniform Building Code Appendix. This chapter covers standards of safety for the construction and use of covered mall buildings. The proposed change incorporates requirements for systems to control the spread of smoke under a life safety situation.

The Code Committee is interested in receiving comments from ASHRAE members who are familiar with mall construction. For copies of the proposed changes please contact me at 546-7160.

David Fernandes  
Code Committee Chairman

## AND GOLFERS TOO!

### 8TH ANNUAL GOLDEN GATE CHAPTER GOLF OUTING

PLACE: WILLOW PARK  
DATE: THURSDAY, MAY 29

Get your foursomes together, reservations in and make your plans to enjoy a day of golf and dinner!!!!

Any questions contact Dennis Stevens at MCC Powers, 871-1944.

## TREASURER'S REPORT

Assets	\$5666.51
Liabilities	\$1255.00
Member's Equity	\$4411.51

Published standards make our jobs easier; probably from time to time more comfortable, and to that end, standards serve us. What we must realize is that standards serve others as well.

### COPY DEADLINE

In order to meet our publication dates, we have established the following as the last possible date, that copy for the FOG DISPENSER can be in the editor's hands:

Meeting date Copy deadline

Apr. 3, 1980 Mar. 20, 1980  
May 1, 1980 Apr. 17, 1980  
June 5, June 22, 1980

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1979-1980 OFFICERS

Thomas A. Gilbertson... President  
James Holden... President-Elect  
Robert Phillips... Secretary  
Thomas Campbell... Treasurer

### BOARD OF DIRECTORS

James Taylor Dick Glumac  
Kevin Dowling

### Mail or phone news to:

Joyce Owen, Editor  
4037 Harding Way  
Oakland, Ca. 94602  
(415) 530-0934

**ATTENTION TENNIS PLAYERS!**

SAVE THIS DATE: MAY 16TH

Join other members and friends in the San Jose Chapter's Annual ASHRAE Tennis Tournament to be held at Cuesta Park in Mountain View from 9:00 a.m. - 4:00 p.m. Watch for details in the next FOG DISPENSER. To sign up, please call Chuck McLaughlin's office at 326-9115.

**MEETING MINUTES**

General Meeting February 7, 1980  
Field Trip

This meeting was the annual Field Trip and Father/Child Night. Groups met at the San Francisco International Airport Mechanical Plant (San Bruno) for guided tours through the now completed central heating and cooling plant. The Mechanical and Electrical design work was performed by Buonaccorsi and Associates.

Following the tours, the groups reassembled at "The Distillery" restaurant for dinner.

Attendance: 51  
(16 Members - 35 Guests)

Robert Phillips  
Secretary

**NOMINATIONS  
1980-81 CHAPTER OFFICERS**

The Nominating Committee has nominated the following:

- President: \*James M. Holden
- President-Elect: Robert W. Phillips
- Secretary: Thomas C. Campbell
- Treasurer: James G. Taylor
- Senior Board Member: \*\*Kevin Dowling
- New Board Member: James G. Nemecek (2 year term)
- Board Member: Thomas A. Gilbertson  
(Past President)

Additional nominations from the floor may be made at the March 6, 1980 General Meeting.

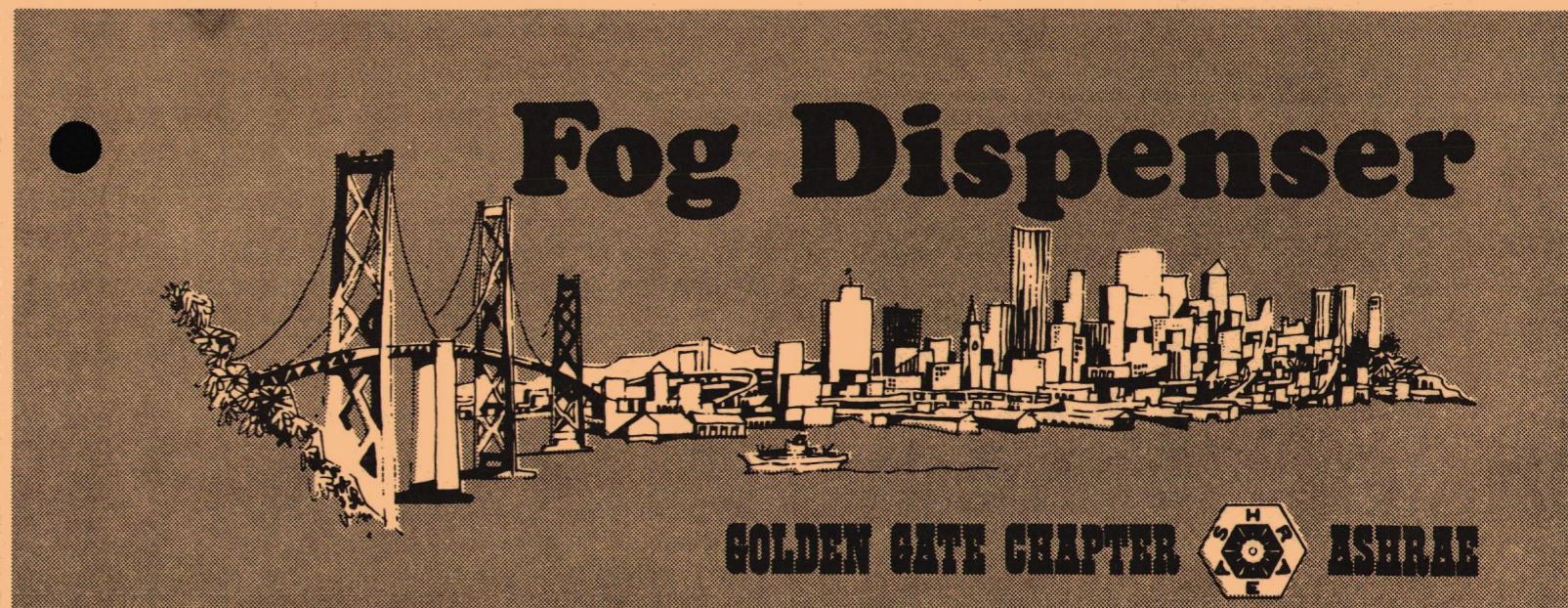
\*Former "President-Elect" automatically becomes "President" at the completion of the term of the current President (not required to be elected at 1980 election per Bylaws).  
\*\*Kevin Dowling was elected in 1979 for a two year term (not required to be re-elected at 1980 election per Bylaws).

**REGION X DESIGN GUIDE**

The Golden Gate Chapter and the Southern California Chapter of ASHRAE have joined together to create a new Outdoor Design Temperature Guide for all of Region X, which will include all of California, Nevada, Arizona and Hawaii. The Guide will include all cities over 2500 population or over 1000 cities in all.

We were hoping to have the Guide ready for publication by the summer of 1980, and are presently looking for people willing to spend a few hours plotting the temperatures of each of over 300 points in Northern California and Nevada. Many people have volunteered in the past; however, I am anxious to re-activate the Committee and am looking for approximately ten people to serve at this time. I will be soliciting names at the March 6 Golden Gate Chapter Meeting.

Richard A. Charles  
Energy Management Vice-Chairman  
Region X



VOLUME XIX NO. 6

MARCH, 1980

**MEETING ANNOUNCEMENT**

DATE: March 6, 1980

TIME: Social Hour....5:30 P.M.  
Dinner.....6:30 P.M.

WHERE: Engineer's Club  
Hong Kong Bank Building  
16th Floor  
160 Sansome Street  
San Francisco

Please be sure to mail your card for a reservation today - don't forget to include your guest for Ladies' Night!!

**MARCH PROGRAM**

Chairman: Jim Holden

Subject: Ladies' Night

Nancy Walker, one of San Francisco's newly elected supervisors will be our speaker for our annual Ladies' Night on March 6, 1980. She will be speaking on local political issues with an accent on women in politics, so bring your lady and be updated on the San Francisco political scene.

**HONOR ROLL**

SCOTT COMPANY OF CALIFORNIA

1919 Market Street

834-2333

Oakland 94607



MEETING GUESTS

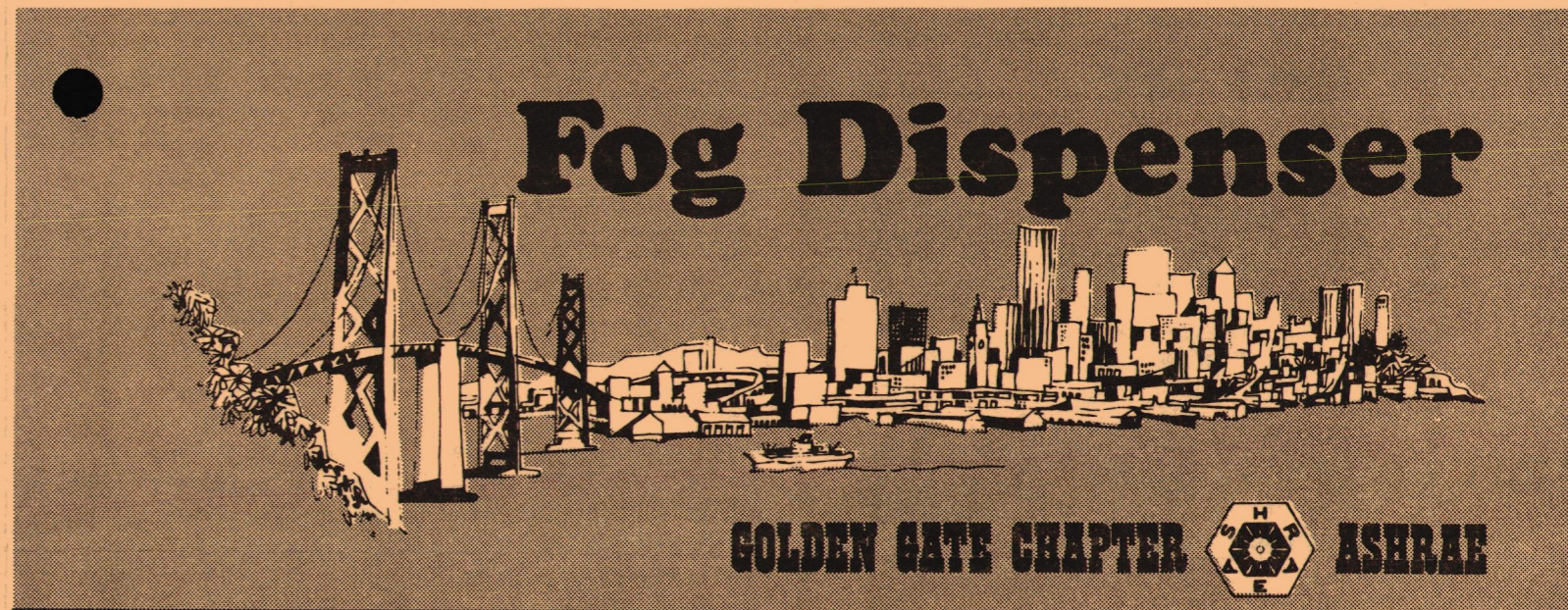
DECEMBER.....

- Don Hosterman.....Bechtel
- Grady Osborn.....Bechtel
- Murray Kobrin.....UMEC
- Alice Meyer.....Vandamene
- Chip Eskildsen.....Vann Engr.
- Richard Yates.....Engineered Air
- Jim Hill.....Grinnell
- Kent Lim .....Monterey Mech.
- Tony Fung.....Marellich
- Douglas Chan.....Glumac
- Chuck McLaughlin....York
- Arno Portier.....Parson Brinkerhoff
- G.W. Holman .....Kaiser Engr.
- Jim Hall.....Carrier

MEETING GUESTS

JANUARY.....

- Jerry Kechter.....Energy Design
- Wally Donley.....W.L. Donley
- Norman MacRitchie.....Guttman & MacRitchie
- Richard Yates.....EAS
- Ed Masessa.....Pameco-Aire
- Kevin McGlynn.....Western Mech.
- Chip Eskildsen.....Vann Engr.
- Jim Hill.....Grinnell
- Joel Frey.....Const. Mat'l.
- John Coppini.....Yamas
- F Weginer.....L & H Air Co.
- Colin Felix.....E.B. Ward
- John Busch.....Fluor M&M
- Phil Brown.....Schuelke
- Bill Bercich.....T.C.M.
- Rocky Suting.....T.C.M.



VOLUME XIX NO. 4

FEBRUARY 1980

MEETING NOTICE

DATE: February 7, 1980  
 TIME: Meet.....6:00 P.M.  
 Dinner.....7:30 P.M.

This will be our Annual Field Trip and Father/Child Night, we will tour the new mechanical plant for the San Francisco International Airport. We will meet at the Airport Garage, park on the lower level and congregate in front of the equipment space. The tour will be completed between 7:30 and 8:00 P.M. and then we will drive our own vehicles to "The Distillery" at 271 El Camino Real in San Bruno for dinner. Price for dinner is \$9.00 for everyone over the age of six, those under six cost will be \$6.00.

tennis tournament.....

By popular demand we have tentatively scheduled the tournament for Friday, April 25th at the San Francisco Tennis Club. We will play doubles indoors with individuals playing in groups according to their ability. Please indicate your interest in playing by calling Gerry Yaffe (415) 467-8680 or Jack Kniveton (415) 788-8384. We must make reservations early in order to get courts.

Know a Prospective New Member?

Contact Membership Chairman:  
 Jim Nemechek.....(415) 871-6808

Mail or Phone News to:

Judy DeGennaro, Editor  
 FOG DISPENSER  
 Carrier Machinery and Systems  
 5801 Christie Avenue  
 Emeryville, California 94608  
 (415) 658-6717

COPY DEADLINE

In order to meet our publication dates, we have established the following as the last possible date, that copy for the FOG DISPENSER can be in the editor's hands:

Meeting date Copy deadline

Feb. 7, 1980	Jan. 24, 1980
Mar. 6, 1980	Feb. 21, 1980
Apr. 3, 1980	Mar. 20, 1980
May 1, 1980	Apr. 17, 1980
June 5,	May 22, 1980

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HONOR ROLL

EDWARD B. WARD COMPANY

337 ROEBLING ROAD

SO. SAN FRANCISCO, CALIFORNIA 94080

415 873-1660


**Corner**
**President's**

Thomas A. Gilbertson

Your arrangements to attend the ASHRAE meeting in Los Angeles, February 4th thru 6th surely will be complete when you read this.

This is an excellent opportunity, since the meeting is in Los Angeles, to attend and take in one or more of the Forums, Seminars or Technical Committee Meetings. ---Having attended these for several years I hate to admit how much real information is to be gained by attending---(I always felt that if I were to admit how much I learned everybody would realize how little I know).

The ASHRAE Technical Committee meetings are really an excellent place to at least "feel" that you are on top of our business. Let me give you some examples.

T.C.8.6, Cooling Towers and Evap Condensers, was the single ASHRAE area selected by the U.S. Government's Center for Disease Control to be requested to help in tracking down "Legionnaire's Disease". The Center for

Disease Control sent their man in charge of the project to our committee meeting where he outlined where the Center stood in its quest to solve the riddle, and use the Committee's membership from which to draw the sole liaison between CDC and the air conditioning industry. Following that item of business last year, the committee got into "rating problems" that exist with cooling towers and it was to this committee that the Midwest Research Institute's findings on short performance in cooling towers was discussed. Again this technical committee was the interface between our industry and the serious problems which exist.

T.C.5.8, Industrial Ventilation, is the committee to which the threshold levels for injurious chemicals are presented for evaluation. This technical committee is the one which guided and developed the testing methods, along with the medical groups, to determine what was acceptable and how to handle them in ventilation equipment. This committee also is the one that has determined the method for testing of chemical laboratory hoods.

Both of these committees are responsible for parts of four chapters which are published in the ASHRAE Guide. The individual committee members receive the drafts which one of the committee has prepared and we edit exactly what goes into print into the Guide.

---All very interesting---

Since the ASHRAE meeting is so close in Los Angeles, and there is such an opportunity to meet with these committees in addition to the Forums and Seminars that it would seem a shame to me if our membership doesn't take advantage of this to say nothing of attending the air conditioning exhibition itself.

May we see you in Los Angeles?

**INDUSTRY NOTES**

\*JIM TAYLOR continues his consulting practice and has also joined with BILL KENNISON to form TK & ASSOCIATES, INC., an industrial sheet metal and equipment contractor with an office and shop in Hayward.

\*Look for genial HANK MOUW at HAYAKAWA ASSOCIATES now.

\*CARL JORDAN has announced the re-location of the Mechanical, Electrical and Structural Departments of SKIDMORE, OWINGS AND MERRILL to 62 First Street, San Francisco 94105, Phone (415) 546-7160.

\*Welcome back to the Bay Area, GEORGE SHARKEY! George is now with USDA ENGINEERING GROUP in Oakland.

\*HASAN BURNEY joined the staff at GLUMAC & ASSOCIATES on January 28th.

\*The New Year opened with GUS GENDLER, consulting engineer, in a solo performance at his office, 111 New Montgomery Street, Room 201, San Francisco 94105, phone (415) 543-3345.

\*MECHANICAL SUPPLY, INC., manufacturer's representatives have moved their headquarters to Sacramento now that DON RIBACCHI has resigned the company and left the state. CHUCK BELL in Cupertino and ROGER McELLIGOTT in Sacramento will cover the Bay Area counties pending further organizational changes.

\*Best wishes to GARY TOOKER, formerly with a large industrial consultant, who is now in private practice.

\*Congratulations to PHIL FLINTZER of Carrier Air Conditioning on being promoted to Branch Sales Manager.

**TREASURER'S REPORT**

	NOVEMBER	DECEMBER
Assets	\$7,415.44	\$6,704.11
Liabilities	\$1,200.00	\$1,200.00
Members Equity	\$6,215.44	\$5,504.11

Tom Campbell  
Treasurer

**BANQUET**

ENGINEERS' WEEK BANQUET will present "Can Anyone - Even a Californian - Be An Optimist Today?"

The guest speaker will be:

MR. CASPAR W. WEINBERGER -  
Vice President, Director and General Counsel of the Bechtel Group of Companies, and former Secretary of Health, Education and Welfare.

The No-host Cocktails will be at 5:30 P.M. and the Dinner at 7:00 P.M. It will be held at Goodman's, 10 Jack London Square, Oakland. There will also be Scholarship Awards presented.

The date is Thursday, February 21, 1980 so make your reservations now!

**Energy Committee Report**

A seminar was conducted last fall for Bechtel Facilities Group to introduce them to emergency building temperature restriction regulations.

Dart Rinefort  
Committee Chairman

**MINUTES FROM LAST MEETING**

1. Meeting called to order by President Thomas Gilbertson at 7:58 P.M.
  2. Inasmuch as the minutes of the December, 1979 General Meeting were not published in the January, 1980 FOG DISPENSER, no action could be taken with respect to their approval.
  3. Past President Richard Charles announced that the Golden Gate Chapter and possibly the Hawaii Chapter of ASHRAE are planning to publish a combined temperature data book covering the states of Arizona, New Mexico, California, Nevada and Hawaii. This publication is tentatively scheduled for release by the end of 1980 and will be edited by Bill Holiday and Loren Crow. Volunteers are being sought by Richard Charles and his committee to assist in the sifting and organization of the raw data needed for this publication.
  4. Sherman Brown presented a report on the upcoming Technical Seminar scheduled to begin on March 4th and to run for four consecutive Tuesday evenings at the PG&E auditorium in San Francisco. The title of the Seminar will be "Energy Systems Update 1980". The following are the planned program titles:
    - a. March 4th: Variable Air Volume Systems (design and calculations).
    - b. March 11th: Title 24 Update, New SMACNA Duct Standards.
    - c. March 18th: Heat Pumps
    - d. March 25th: Emergency Building Temperature Regulations and Earthquake restraints.Cost will be \$30 for the four sessions.
  5. President Gilbertson awarded a plaque to Sandra Sadowski from the Chapter in appreciation for her excellent job as Chairperson of the Chapter's 1979 Technical Seminar.
  6. President Gilbertson announced the appointment of a nominating committee to consist of: Jack Palmer, Carl Jordan, Robert Voelz and Dick Glumac.
  7. Regional Director of Region 10, Wally Donley spoke to the membership telling of what was going on in the Region. Mr. Donley presented the 1978-1979 ASHRAE Presidential Award of Excellence to Thomas Gilbertson who accepted in behalf of Dick Glumac who was Chapter President during that period.
  8. Following the break, Grant Bentley conducted the raffle which included two bottles of wine, a smoke detector (donated by Honeywell) and a free dinner ticket for the next Chapter meeting dinner.
  9. Richard Charles announced plans for an ASHRAE contest to be completed in 1981 which will present awards for the best energy conservation designs at the Chapter, Region and Society level.
  10. Program Chairman James Holden introduced the speakers for the evening's program. Each speaker presented a short talk about energy conservation projects which his company had participated in. Speaker David Attard spoke about a heat recovery project in which heat from steam condensate formerly wasted to the sewer was recovered and was used by a local hotel to heat domestic water plus use in the hotel's laundry. Speaker Thomas Judson spoke about a hospital project in which boiler flue gas heat energy was received and used for heating domestic water. In addition, solar panels and boiler fire-tube turbulators were provided to reduce the consumption of purchased fuel. Speaker Norman MacRitchie described a study prepared by his office for a State Hospital in which gas turbine driven electric generators are being proposed to not only reduce energy costs but to provide possible co-generation capabilities with the Pacific Gas and Electric Company. Speaker David Rifkin spoke of several office maintenance projects and how energy use was reduced by a number of methods applicable to most commercial buildings. In addition, he described the potential cooling energy savings by the pre-cooling of air conditioned buildings using cooler night time ventilation air.
- After a brief question and answer period, the meeting was brought to a conclusion. James Holden announced that the February General Meeting will be a field trip to the San Francisco International Airport to visit the recently completed central heating and cooling plant.

**Dec. MEETING MINUTES**

1. Meeting called to order by President Thomas Gilbertson at 7:40 P.M. with the introduction of members and guests. There were 75 members and 15 guests present.

2. The minutes of the November General Meeting were approved as published in the FOG DISPENSER.

3. Sandra Sadowski, chairperson of the Golden Gate Chapter's 1980 Technical Seminar announced that the Seminar is planned for March and that she and her committee are busy working on the details of the program and program speakers. Additional information will be forthcoming.

4. President Gilbertson brought the audiences' attention to the single page announcement placed on the tables concerning the Workshop Fund Program sponsored by the Chapter and asking for contributions by members and business concerns.

5. President Gilbertson announced that Jerry Kechter had volunteered to be chairman of the 1980 Spring Social.

6. Following the program break the Raffle was conducted by Grant Bentley.

7. President-Elect James Holden announced that the January General Meeting program would deal with the subject of energy conservation and would include a number of 5 to 10 minute reports by local engineers and contractors describing projects in which they have been involved dealing with both new and retro-fit applications.

8. James Holden introduced the speaker for this evening's program, Mr. Granny Holman, Vice President Kaiser Engineers' Heavy Industry Group, who described the coal gasification project with which he has been associated since 1972. Mr. Holman stated that this project was initiated by Michigan Pipeline Company who set out to produce a synthetic fuel product from lignite (coal) in Beulah, North Dakota. Michigan Pipeline has since been joined by 5 other gas companies to form the "Great Plains Gasification Company". This new venture is expected to produce synthetic gas having a 975 BTU/CF content in 1984 at an approximate cost of \$6 per 1000 cubic feet. Mr. Holman said that the Lurgi coal gasification process, a German development will be used. This process is currently being used by South Africa. The engineering work, about ready to begin will require an estimated

2,000,000 manhours of effort and the entire project is expected to cost 1½ billion dollars of which the process plant cost will be approximately \$900,000,000.

9. Following a question and answer period, President-Elect James Holden adjourned the meeting.

**CSI Building Fair.....**

The CSI Building Products Fair 1980 will be held on Wednesday, March 26th, at the San Francisco Civic Auditorium. The exhibit of the latest in products and services will start at 3:00 P.M. and close at 9:00 P.M. This one day format has proven popular with exhibitors and visitors, allowing a maximum exchange of information in a minimum of time.

The exhibit is co-sponsored by the San Francisco and East Bay Oakland Chapters of CSI. Chairman for the event is Mel Dressel of Harold A. Price Co., Inc. (415) 235-5343. The booths sell for \$155.00 and should be reserved as soon as possible.

Late January and early February is the critical period for the CSI show. Architects and Engineers can help by reminding suppliers that their support is needed. Sales Managers need to make a decision to reserve a booth. Promotion of attendance is starting and will grow steadily until March 26th. Out-of-town professionals planning a trip to the Bay Area may want to plan to be here at that time.

The information exhibits, technical help, convenient parking, free sandwiches, no-host bars and a chance to meet old friends make it the best show in town.

# Fog Dispenser



**GOLDEN GATE CHAPTER**



**ASHRAE**

## MEETING ON JANUARY 3RD

DATE: January 3, 1980  
TIME: Social Hour.....5:30 P.M.  
Dinner.....6:30 P.M.  
WHERE: Engineer's Club, 16th Floor  
Hong Kong Bank Building  
160 Sansome Street  
San Francisco

## CHAPTER SCHOLARSHIP AWARDS PRESENTED

Tom Gilbertson, President of the Chapter, on December 11 addressed a class of 150 City College of San Francisco freshmen engineering students on the subject of careers in the field of HVAC. Tom's relating his many varied personal experiences topped off a very informative address. Tom also presented ASHRAE scholarship awards totaling \$335 to nine students in the HVAC field of study.

## JANUARY PROGRAM

Chairman: Jim Holden  
Subject: ENERGY CONSERVATION

A panel of local chapter members will discuss energy conservation projects they have personally been involved in.

This will be a warm-up for the national energy conservation contest being staged by ASHRAE next year.

## CRC '80

The Sacramento Valley Chapter has sent out a flyer announcing the Region X Chapter's Regional Conference in their city April 30 through May 3, 1980. Start your planning now by returning the card requesting their packet of information.

## 🌀 HONOR ROLL 🌀

ALLIED AIR PRODUCTS, INC.

CHUCK TARNOFF

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810 STANTON ROAD

697-2281

BURLINGAME 94010



# Corner

## President's



Thomas A. Gilbertson

City College of San Francisco students received their awards, which are funded by the Golden Gate ASHRAE chapter's scholarship funds. Roy Anderson, our education chairman for our chapter and an instructor at City College in San Francisco, and myself gave these out on the 11th of December.

Your chapter made nine awards in various amounts from \$20.00 to \$100.00. Following the awards, I then "lectured" the 110 plus students in the City College engineering orientation class.

Golden Gate's chapter is really lucky to have a fellow like Roy Anderson, who so ably gives of his time and represents ASHRAE to the public.

After meeting the students, it was obvious that Roy generously gives of his time and concern far above what would normally be expected. The chapter really must do something to show its appreciation to Roy for his efforts on our behalf.

The students can use the funds! Six of the awards were for \$20.00. These funds although not particularly large, show an interest and an encouragement from our industry that I don't think we as members perhaps appreciate as much as the students do. Regarding the size of the awards, Roy says that a rather typical student at that institution comes from a family in which both parents work and that the gross income is in the area of \$10,000 to \$12,000. We are probably much more than just encouraging a student to enter the HVAC field; we are probably giving long term encouragement to some student to seek an education.

The ASHRAE chapter really ought to do more in the scholarship area. This is particularly driven home to me after seeing the look on the students faces and seeing the response of their fellow students when the awards were made.

Why don't you sit down right now and make out a check to the ASHRAE Golden Gate Scholarship funds? Send them over to Rich Wells in care of Montgomery & Roberts, 925 Kearney, El Cerrito, CA 94530. That way you can take advantage of the Christmas spirit and not have to worry about the possibility of "Christmas-Future".

HAPPY NEW YEAR TO ALL!!

### Know a Prospective New Member?

Contact Membership Chairman:  
Jim Nemechek . . . (415) 871-6808

Mail or Phone News to:  
Joyce Owen, Editor  
FOG DISPENSER  
Carrier Machinery and Systems  
5801 Christie Avenue  
Emeryville, California 94608  
(415) 658-6717

### COPY DEADLINE

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<u>Meeting date</u>	<u>Copy deadline</u>
Jan. 3, 1980	Dec. 20, 1979
Feb. 7, 1980	Jan. 24, 1980
Mar. 6, 1980	Feb. 21, 1980
Apr. 3, 1980	Mar. 20, 1980
May 1, 1980	Apr. 17, 1980
June 5, 1980	May 22, 1980

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James Holden . . . . . President-Elect  
Robert Phillips . . . . . Secretary  
Thomas Campbell . . . . . Treasurer

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Kevin Dowling

ATTENTION MEMBERS

WANT A WAY TO INCREASE THE CHAPTER SCHOLARSHIP FUND AND SEE THAT MORE FINANCIAL AID GOES TO OUR LOCAL COLLEGE AND UNIVERSITY STUDENTS? DONATE A "SPECIAL" GIFT FOR THE RAFFLE, SOMETHING THAT YOU AND YOUR WIFE OR FRIEND WOULD ENJOY RECEIVING - - TICKETS TO A PLAY - - DINNER AT A FINE RESTAURANT, ETC. YOUR PERSONAL GIFT OR A GIFT FROM YOUR FIRM FOR THE SCHOLARSHIP FUND WILL BE TAX DEDUCTIBLE AND ALL DONATIONS FOR RAFFLE TICKETS WILL BE DIRECT CONTRIBUTIONS TO THE FUND.

CONTACT DICK HUGHES OR JODY AT 391-6579 AND YOUR GIFT WILL BE GRATEFULLY RECEIVED. IF NECESSARY, WE WILL BE HAPPY TO PICK IT UP AT YOUR OFFICE.

-----  
RAFFLE GIFTS FOR THE MONTH OF OCTOBER WERE DONATED BY FREDERICK H. KOHLOSS & ASSOC., INC.



VOLUME XX NO. 3

DECEMBER 1980

**MEETING NOTICE**

DATE: DECEMBER 4, 1980

TIME: 5:30 - SOCIAL HOUR  
6:30 - DINNER

LOCATION: ENGINEER'S CLUB  
16th Floor  
Hong Kong Bank Bldg.  
160 Sansome St.  
San Francisco

PROGRAM: "ENERGY CONSERVATION MEASURES"

A panel discussion on "Energy Conservation Measures" with five distinguished San Francisco engineers (Carl Jordan, Richard Charles, Frank Mayhew, Thomas Gilbertson and Thomas Simonson) discussing their best energy conservation ideas.

Panel members and the audience will be invited to get involved in the analysis and evaluation of some of today's most exciting energy conservation innovations.

We guarantee you'll never forgive yourself if you miss this one!!!

PROGRAM CHAIRMAN: Bob Phillips

**HONOR ROLL**

DATA-SPHERE CORP.  
representing  
LIEBERT CORP.  
Concord, CA Office  
(415) 798-8360

Jim Hackworth,  
Western Div. Manager

Please contact Dave Rifkin, at Marina Heating & AC, 786-3500, if your organization isn't already on the Honor Roll mailing list.

\*\*\*\*\*

**HAPPY  
HOLIDAYS**

\*\*\*\*\*

# Corner

President's



On Saturday morning, November 8th, Gus Gendler and I attended a regional ASHRAE research workshop at the SF International Airport Hilton Hotel. Cy Hansen, the Regional Vice Chairman, and Wally Donley, the Regional Chairman, were there, as were representatives from every other chapter except Southern Cal (they got fogged in). Gus will present a few new ideas he garnered from this meeting at our December chapter meeting.

The Research Committee has blossomed out now to include Carl Jordan and Gus Gendler, as co-chairmen, and Karl Guttmann, Bob Braun, Roy Formley, Ken Wilson and Tom White. With all the recent heat generated over this subject we look forward to a successful year in contributions.

cont'd...

Sherman Brown and Grant Bentley were at our last board meeting to discuss the spring seminar. A general seminar topic has been chosen and tentative dates set. By the next issue of the Fog Dispenser we will be able to publish each meeting format and dates.

The busiest man in our chapter has turned out to be Tom White. As well as being a society level committee man, he has graciously accepted being Chapter Historian and a Research Committee member, as well as being the chapter lobbyist with society headquarters for the 1986 annual meeting.

Let me remind all interested parties to start getting their statistics together for the ASHRAE Energy Awards for 1981. This is a program in which many of our members could receive local and national recognition for their results. Our December meeting should be a good preview.

Last week we mailed a check for \$416.25 to Wally Donley for seed money for CRC meetings. This was based on an assessment of 75¢ per member per chapter. The Regional Chairman collects this money and loans it to each chapter holding the current CRC. At the end of the CRC meeting the money is paid back to Regional to hold for the next year's participant. The 555 member total is based on the number of society members from this chapter area, not the number of chapter members (which is at least 200 less than that). Anyway, this fund serves a very necessary purpose.

## MINUTES FROM LAST MEETING

cont'd...

1. President James Holden called the meeting to order at the Engineer's Club, in San Francisco, at 7:40 PM.
2. Self-introductions of members and guests followed.
3. President Holden noted the excellent work of the Engineer's Club in seating 177 people when only 124 reservations were sent in.
4. Minutes of the October meeting were approved as amended. A motion to poll the membership on the question of research was omitted.
5. President Holden announced the formation of a research committee comprised of Carl Jordan, Tom White, Bob Braun, and Karl Guttmann. A motion by Jim Taylor was seconded and passed to eliminate the questionnaire on research since there was good response from the membership already.
6. President Holden announced a regional research committee meeting on Saturday, at the San Francisco Airport Hilton; chaired by Cy Hansen.
7. It was announced that the membership cut-off for inclusion in the roster would be November 10th. An invoice for \$416.25 from Wally Donley, Region X Chairman, for CRC "seed" money was presented.
8. It was recommended that discussion of the annual social be postponed due to the large number of guests.
9. Richard Charles asked for entries for the ASHRAE Energy Awards. The next review will be in May, 1981. Frank Mayhew discussed details of appropriate entries.
10. President Holden reported on a meeting with Jim Riley, of the So. Cal. chapter, concerning Temperature Data Book IV. Financial details and sales were discussed. Publication is projected for May or June, 1981.

11. President Holden welcomed Rod Keif and Bill Phaklides, with 38 students from Cal Poly, San Luis Obispo, and Roy Anderson, with 5 students from SF City College, and Don Bryant, with a student from UC Extension.
12. Andy Smilevitch, Chapter President from Cal Poly, introduced the Cal Poly students. Mr. Keif and Mr. Phaklides spoke briefly and thanked the chapter for 38 dinners!
13. Board member Bob Phillips introduced Cathy Ward and John Holbrook, of Honeywell, the speakers for the evening. They presented a slide and recording show by Dr. James Tobias, of Honeywell and Cal Tech, on microprocessors. Questions followed.
14. Bob Phillips announced a panel discussion on energy conservation methods at the December meeting.
15. The meeting was adjourned at 9:58 PM.

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### TREASURER'S REPORT

OCTOBER	
TOTAL ASSETS....	\$5912.71
LIABILITIES.....	0.00
MEMBER'S EQUITY..	<u>\$5912.75</u>

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### POINTS TO PONDER #3

The first 90% of the project takes 90% of the time, and the last 10% takes the other 90%! (The Ninety-Ninety Rule of Project Scheduling)

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Dec. 4, 1980	Nov. 7, 1980
Jan. 8, 1981	Dec. 19, 1980
Feb. 5, 1981	Jan. 16, 1981
March 5, 1981	Feb. 13, 1981
April 2, 1981	March 12, 1981
May—Social	April 16, 1981
June 4, 1981	May 14, 1981

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#### MAIL OR PHONE NEWS TO:

Rich Wells, Editor  
 925 Kearny Street  
 El Cerrito, CA 94530  
 (415) 524-1477

November, 1980

Dear ASHRAE Member:

This year the American Society of Heating, Refrigerating and Air-Conditioning Engineers has instituted an awards program to recognize ASHRAE members and their firms in the area of energy efficient design. Awards will be presented in 3 categories: Institutional/Commercial for New Construction, Institutional/Commercial for Existing Structures, and Industrial. First, second and third prizes will be awarded in each category.

The Golden Gate Chapter would like its members to be aware of this program and to enter projects they feel are representative of their work in energy conservation. Some of the requirements of the projects are

- 1) It must have been in successful operation for at least one year as of March 15, 1981. This is to allow demonstration of the effectiveness of the energy saving design features.
- 2) The project must be submitted by an ASHRAE member who was an active participant in the design of construction of the project.
- 3) The deadline for entering is March 15, 1981.

These Energy Awards will provide unique recognition of ASHRAE members and their firms. If you have been involved in a project of demonstrated energy conserving design, or are aware of a colleague's involvement in such a project, please fill out the attached questionnaire.

The questionnaire will be reviewed by the Golden Gate Chapter Energy Committee. The Committee will then aid in preparing official entry statements for those projects shown to be the most successful in conserving energy.

Your time in this matter will be both personally rewarding and beneficial to the Society and the Country.

Sincerely,

*Steven Taylor*

Steve Taylor  
Member, Golden Gate Chapter  
Energy Committee

Attachment



VOLUME XX

NO. 2

NOVEMBER 1980

**MEETING NOTICE**

DATE: NOVEMBER 6, 1980

TIME: 5:30 - SOCIAL HOUR  
6:30 - DINNER

LOCATION: ENGINEER'S CLUB  
16th FLOOR  
HONG KONG BANK BLDG  
160 SANSOME ST.  
SAN FRANCISCO

PROGRAM: "IMPACT OF MICROPROCESSORS ON  
THE HVAC INDUSTRY"

The arrival of microprocessors to the small, medium and large building HVAC systems cannot be ignored any longer!

Dr. James R. Tobias, of Honeywell, and a Visiting Associate Professor at the California Institute of Technology, Pasadena, will be our highlight speaker. Dr. Tobias' presentation will include illustrations and examples of actual "on-the-market-now" products which utilize microprocessors

A program you won't want to miss...

PROGRAM CHAIRMAN: Bob Phillips

**HONOR ROLL**

McLAUGHLIN ASSOCIATES  
575 Middlefield Rd.  
Suite F  
Palo Alto, CA 94301  
326-9115

Chuck McLaughlin  
Jim Plakos  
Peter McLaughlin  
Julie Stoneburner  
Lillian Garner  
Barbara Stewart

Please contact Dave Rifkin, at Marina Heating & AC, 786-3500, if your organization isn't already on the Honor Roll mailing list.

\*\*\*\*\*

- FINAL NOTICE -

In order to meet the printer's deadline your dues must be paid by November 10 for inclusion of your name in the roster for this year...

Contact Glenn Cheek or Rich Leao.

\*\*\*\*\*

**Corner**

**President's**



In our October Chapter Meeting we had a spirited debate on ASHRAE research. Since that moment I have received letters from four past presidents and two concerned members regarding this subject. I can't remember so much aroused interest in society affairs in the eleven years I have been a member.

There was some misunderstanding of my motives in bringing this subject before the membership, and several of the letters chided me for discussing matters they thought should be handled by the board. I hope the letter I wrote, with copies to all who wrote or called, explained my reasoning. Any others who might be interested are welcome to a copy of the letter.

Fortunately, there was more positive reaction than negative and I have the feel-

ing that there is a majority of our chapter members who favor ASHRAE research. To-date we have three past presidents, Carl Jordan, Karl Guttmann, and Gus Gendler, who have volunteered to serve on the ASHRAE research committee. If we can persuade four more members to join this committee we should be able to collect a sizeable contribution from industry and the membership. Anybody willing to join this committee please let me know.

Cy Hansen, our regional vice-chairman for ASHRAE research, will be visiting us during our November meeting. Following that he will be holding a meeting at the San Francisco Airport Hilton at 10:00 AM, Saturday, November 8, to assist us in setting up our contribution campaign. Please give us an hour of your time and plan to attend. Hopefully, we will get this campaign off to a successful start.

ASHRAE; GOLDEN GATE CHAPTER 1980-1981

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Wally Donley

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 Rich Wells  
 Glenn Cheek  
 Dick Charles  
 Ken Wilson  
 Carl Jordan / Gus Gendler  
 Sherm Brown / Grant Bentley  
 Dart Rinefort  
 Glen Claycomb  
 Dick Mayer  
 Dick Hughes  
 Don Bryant  
 Tom Reinarts  
 Dick Glumac  
 Stan Eng  
 Tom Gilbertson  
 Roy Anderson  
 Tom White  
 Don Delany  
 Jack Kniveton  
 Barron / Kniveton / Tarnoff

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 Temperature Data  
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 Research Seminar  
 Energy Conservation  
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 Raffle  
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 Reception / Attendance  
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 Nominating

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**MAIL OR PHONE NEWS TO:**

Rich Wells, *Editor*  
 925 Kearny Street  
 El Cerrito, CA 94530  
 (415) 524-1477

minutes continued....

Mr. Borges demonstrated the advantages of LNG which result primarily from a tremendous reduction in the volume of the gas as it is liquified at a temperature of -260 F. This permits it to be shipped in specially built vessels, each of which can carry enough LNG to serve 1.8 million customers for one day. Mr. Borges demonstrated that LNG is completely safe in its liquified state. He explained that after exhaustive search, the only suitable site for a terminal on the California coast has been determined to be the Little Coho Bay, some 25 miles north of Santa Barbara. The project has received approval of the PUC and other necessary approvals are slowly being obtained. One deterrent is the present high cost of funds.

**MEETING GUESTS**

Bud Borges	P G & E
Jim Kanomata	Air Filtration Co.
James Hill	Grinnell Fire
Brian McGrath	Marelich Mech'l
William P. Thompson	H.K. Ferguson
Scott Tripp	Owens-Corning
Norm McCleod	The Brose Co.
Gerald T. Gogas	Hess, Greiner & Poll.
Richard Caldwell	Standard Oil
John Yamas	Kohlloss & Assoc.
Bob Williamson	SOLTECH
Nipat Boonyasnguan	Hess, Greiner & Poll.
Joyce Owen	Q Industries
Roy Ashizawa	Ray Burner Co.
Philip Russo	Q Industries
Michael Lynch	E.C. Braun
T.N. Lin	Bechtel Power Corp.
Ed De Guzman	Lars Fargerstrom
Jim Broughton	Chevron USA
Chip Eskildsen	Vann Engrg

**CODE COMMITTEE MINUTES - MEETING #2**

Present:	Absent:
Bob Braun	Jim Breese
Harjinder Ajmani	Bob Voelz
Tom Campbell	Mat Chikhale
Dick Glumac	

Date: October 2, 1980

1. The committee members have reviewed Chapter 1707 of UCB on Atriums and have sent their comments to ICBO. Copy is enclosed for future reference.
2. Next meeting is set tentatively for Monday, November 10, 1980; 2 PM, Glumac & Associates
3. Glumac will contact So. Cal. Chapter president or code committee chairman to ask them to present our comments in person at ICBO meeting in L.A.

**TREASURER'S REPORT**

SEPT.  
ASSETS.....\$3375.20  
LIABILITIES.....2400.00  
MEMBERS EQUITY...\$ 975.20

...DUES...DUES...DUES...DUES...DUES...

\*\*\*\*\*

POINTS TO PONDER - #2

Almost everything in life is easier to get into than out of. (Agnes' Law)

## MINUTES FROM LAST MEETING

1. President James Holden called the meeting to order at the Engineer's Club in San Francisco at 7:15 PM. He gave a few words of welcome and expressed his objectives for the coming year.
2. Self introduction of members and guests followed.
3. Minutes of the June meeting as printed in the Fog Dispenser were approved as printed.
4. Tom White, member of the national Public Information Committee, reported on several events which occurred during the summer.
  - a. The new Public Information Committee consists of three members whose responsibility is to determine how the local chapters can best interface with state and local governments regarding issues of interest to ASHRAE.
  - b. ASHRAE will be opening an office in Washington, D.C., by November 1, to obtain close liaison with governmental agencies.
  - c. The semi-annual meeting of ASHRAE together with the Trade Show will be held in San Francisco in January 1986
5. President Holden indicated that the Board has decided to discontinue the annual field trip due to lack of interest by members and increased costs to the Chapter.
6. There was a discussion as to whether the members wished to continue with the Annual Social. Only the very few members who attend are enjoying the results of a substantial subsidy for this event which comes from Chapter funds. Members will vote at the November meeting on whether to continue with this event.
7. The December meeting will involve a panel discussion on energy conservation projects. Panelists will discuss jobs which they believe might qualify for consideration under the National Energy Conservation Award Program.
8. Report was given by Chairman Dick Charles on the progress his committee has made toward publication of Temperature Data Book-IV. This is a joint effort with the Southern California Chapter and will contain data for all of Region X.
9. President Holden advised the membership that an invitation had been extended by the Portland Chapter to hold a joint meeting of Region X and Region XI in Portland in 1984.
10. There followed a discussion on how to best solicit contributions from the members for the National Research Fund. It does not appear that the contribution from Chapter funds can be as large as in the past because of a very austere budget.
11. Board member Jim Nemechek introduced the speaker for the evening. We were honored to have Mr. G.K. Borges, Public Activities Representative of Pacific Gas and Electric Company, address the group on the subject of Liquefied Natural Gas. Mr. Borges described efforts by the utilities to supplement the existing reserves of gas in the Continental United States. A pilot project at a sanitary land fill in Mountain View, California, is currently producing enough gas to serve 1,000 homes. This can be tripled. There are 14 other similar sites in the Bay Area. Other projects indicate that as many as 35 million cubic feet per day of methane can be obtained from feedlots throughout California. California currently uses 4.4 billion cubic feet per day which is enough energy to permit 250 Apollo space shots daily.

Conservation techniques and projects such as above will not be sufficient to maintain California's needs. Consequently, PG & E and Southern Cal Gas are involved in the joint project to import Liquefied Natural Gas (LNG) from Indonesia and Alaska.

...minutes continued...

of Directors in 1979 was elected for a 2 year period.

5. President Gilbertson announced the passing of Shirley Palmer, wife of past pres. Jack Palmer, in March.

6. Following the raffle conducted by Dick Hughes, Pres. Gilbertson asked for a brief report from Committee Chairmen of the activities of their committees during this past year. The following Chairmen made reports:

- Membership: J. Nemechek
- Education: R. Anderson
- Scholarship: R. Wells
- Solar: D. Rifkin
- Research: L. Bedard
- ESCMT: D. Bryant
- Engineers Council: T. Reinarts
- Energy: R. Charles
- Temp. Data Book: R. Charles
- Tennis: J. Kniveton
- Golf: Dennis Stevens

7. Pres. Gilbertson presented certificates of appreciation to following Committee Chairmen:

- Dennis Stevens: Golf
- D. Fernandes : Code
- S. Eng: Attendance
- G. Cheek: Roster
- W.D. Reinfort: Energy
- T. Reinarts: Del. to Engineer's Joint Council
- R. Wells: Scholarship
- J. Owens: Editor-FOG DISPENSER
- L. Bedard: Research Promotion
- G. Benley: Raffle Chairman
- W.D. Reinfort: Seminar Co-Chair.
- J. Nemechek: Membership Chair.
- S. Brown: Seminar Co-Chairman
- S. Sadowski: Seminar Co-Chair.

8. Awards were made to the following for their help in making the Technical Seminar a success by their being a speaker on one

...minutes continued...

or more of the Seminar Sessions.

- D. Rifkin M. Corey
- W. Holmes D. Gorsheff
- K. Dowling D. Reinfort
- R. Charles D. Friedman
- A. Wicks D. Glumac
- N. Donaldson W.F. McClellan
- J. Meham C. Elbee
- G. Berry G. Brock

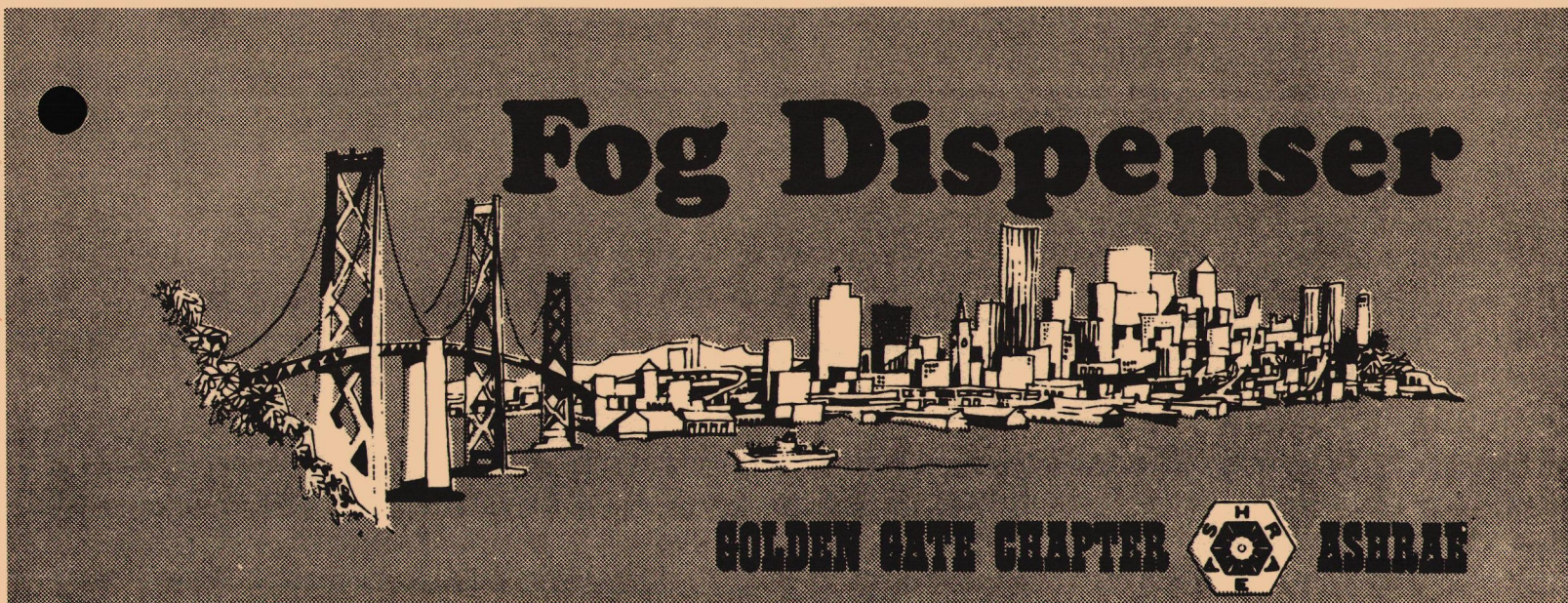
9. Past Presidents of Golden Gate Chapter were introduced by Pres. T. Gilbertson.

10. Pres. Gilbertson introduced the new Chapter Pres. for the 1980-81 year, James Holden. Following induction ceremonies, Pres. Holden presented retiring Pres. Gilbertson with a "Past Pres. Pin", and certificate of appreciation from the Chapter.

11. Pres. Holden announced that the Chapter was in the process of making application to the National to host the 1986 winter semi-annual meeting and show.

12. Pres. Holden announced that R. Wells had accepted the editorship of the FOG DISPENSER for the following year.

13. There being no further business, the meeting was adjourned. The next regular General Meeting will be held in October.



VOLUME XX NO. 1

OCTOBER 1980

MEETING NOTICE

DATE: October 2, 1980

TIME: 5:30 - Social Hour  
6:30 - Dinner

LOCATION: ENGINEERS' CLUB  
16th Floor  
Hong Kong Bank Bldg.  
160 Sansome St.  
SF

PROGRAM: "LNG"

Liquified Natural Gas; a new technology which demanded interesting scientific and industrial breakthroughs has arrived, at last, to help accomodate this country's tremendous appetite for gaseous fuel.

Mr. Gordon Borges, of PG & E's Public Activities Department, will be our highlight speaker. His presentation will include a "live" demonstration of gas liquification and cryogenics!

See you there...

PROGRAM CHAIRMAN: Bob Phillips

HONOR ROLL

MONTGOMERY & ROBERTS  
925 Kearney St.  
El Cerrito, CA 94530  
524-1477

Please contact Dave Rifkin, at Marina Heating & AC, 786-3500, if your organization isn't already on the Honor Roll mailing list.

\*\*\*\*\* EXTRA \* EXTRA \* EXTRA \*\*\*\*\*

Congratulations are certainly in order to Golden Gate's members Tom White, Karl Guttmann, and Don Bryant, who were recently elected Fellows in ASHRAE...

\*\*\*\*\*

POINTS TO PONDER - #1

Random stomping seldom catches any bugs. (The Handyman's Truism)

**ASHRAE**  
**Corner**

**President's**



It's a pretty good idea to set some goals in this life. Sometimes it's the only way we can break up our lethargy and accomplish anything at all. With this in mind, for the good of the Chapter, I've decided to list some of my goals for this year:

1. Continue the success of the past few year's Seminars. Hopefully, Sherm Brown and Grant Bentley will work together as well as Sandy Sadowski and Sherm Brown did last year, with the talented supervision of Jim Taylor.

2. Achieve a financial success from the publishing of "Temperature Data IV" in partnership with the Los Angeles Chapter. This publication is obviously a winner, thanks to our own Regional Energy Chairman, Dick Charles.

3. Increase our membership by at least 5%. After two years of hard work, Jim Nemecek has been promoted from Membership Chairman to the Board of Directors. Rich Leao has come aboard as the new Membership Chairman.

4. Create a workable committee of past presidents to raise adequate research promotion funds so we don't have to strip the chapter treasury for this sizeable amount of money. Although our income has been on the increase the past few years, our expenses have been increasing in a parallel amount, so we don't really seem to be able to shake the spectre of an unbalanced budget.

5. Gain attention to our achievements by an active Publicity Committee, chaired by Rich Mayer. This has been more or less confined to the Seminar in the past, but this year we are going to toot our horn a little bit.

6. Maintain close liaison with all our committee chairmen and publish the results of the work of the various committees.

Honestly, we do intend for these goals to be a little bit better than political campaign promises and with the help of all you good members we will be able to achieve every one of them.

**NEWS FROM HEADQUARTERS**

- In case you missed it, Tom White, Karl Guttman, & Don Bryant have been elected Fellows in ASHRAE.
- The deadline for entries to the current ASHRAE Energy Awards competition is Nov. 1, 1980. For more details see enclosed flyer.
- The two-month open review period for drafts and revisions of the following ASHRAE Standards will end Sept. 30, 1980:

90.3-75R: "Energy Conservation in New Building Design" (formerly Sec. 12 of 90-75); second draft.

95P: "Method of Testing to Determine Thermal Performance of Packaged Solar Domestic Water Heating Systems"; second draft.

99P: "Refrigeration Oil Description"; first draft.

106P: "Method of Testing for Performance Rating of Wood-burning Appliances"; first draft.

55-1974R: "Thermal Environmental Conditions for Human Occupancy"; first draft.

Copies of the proposals are available without charge from the Manager of Standards, ASHRAE, 345 E. 47th St., New York, NY 10017

**TREASURER'S REPORT**

JULY	
TOTAL ASSETS	\$5414.21
TOTAL LIABILITIES	2560.00
MEMBER'S EQUITY	\$2854.21
AUGUST	
TOTAL ASSETS	\$3545.81
TOTAL LIABILITIES	2400.00
MEMBER'S EQUITY	\$1145.81

...DON'T FORGET YOUR DUES...

**MINUTES FROM LAST MEETING**

1. Meeting called to order by President Thomas Gilbertson.
2. Following self-introduction of members and guests, the Secretary's report for the previous General Meeting was discussed. Motion was made, seconded and passed that the Secretary's report be accepted.
3. Treasurer's report as printed in the FOG DISPENSER was approved.
4. John Lewis presented the results of the balloting for 1980-81 officers\* as determined by the tellers previous to the meeting. The results were as follows:

	Votes
Pres-Elect: R. Phillips	184
Secretary: T. Campbell	182
Treasurer: J. Taylor	185
New Bd. Mem: J. Nemecheck	188
Past Pres: T. Gilbertson	185

\*Former President-Elect James Holden automatically becomes the 1980-81 President. Kevin Dowling elected to the Board

**COPY DEADLINE**

In order to meet our publication dates, we have established the following as the last possible date, that copy for the FOG DISPENSER can be in the editor's hands:

Meeting date	Copy deadline
Oct. 2, 1980	Sept. 10, 1980
Nov. 6, 1980	Oct. 20, 1980
Dec. 4, 1980	Nov. 7, 1980
Jan. 8, 1981	Dec. 19, 1980
Feb. 5, 1981	Jan. 16, 1981
March 5, 1981	Feb. 13, 1981
April 2, 1981	March 12, 1981
May—Social	April 16, 1981
June 4, 1981	May 14, 1981

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1980-81 OFFICERS  
James M. Holden . . . . . President  
Robert Phillips . . . . . President-Elect  
Thomas Campbell . . . . . Secretary  
James G. Taylor . . . . . Treasurer

**BOARD OF DIRECTORS**

Kevin F. Dowling  
Thomas A. Gilbertson  
James G. Nemecheck

**MAIL OR PHONE NEWS TO:**

Rich Wells, *Editor*  
925 Kearny Street  
El Cerrito, CA 94530  
(415) 524-1477

October 1980

MINUTES OF CODE COMMITTEE MEETING

MEETING GUESTS

Present:

Jim Breese  
Harjinder Ajmani  
Mat Chikhale  
Tom Campbell  
Dick Glumac

Absent:

Bob Braun  
Bob Voelz

Date:

Sept. 7, 1980

Juanita Gilbertson  
Julie Taylor  
Ricky Holden  
Wilma Jordan  
Pat Valerio  
Ellen Berrier

1. The 1981 San Francisco Code Review:

Committee reviewed the order by D.M. Glumac of UBC Chapters. Two additional chapters will be ordered and total of 36 chapters will be reviewed by the committee.

2. The committee members shall review Chapter 1707 - ATRIUMS OF UBC and will send their comments individually to Tom Campbell who will present comments to IBCO meeting in two weeks. Those present at the meeting got their copies of Section 1707 - ATRIUMS. Copy is enclosed for Bob Braun and Voelz.

3. Next meeting is set tentatively for Monday, October 6, 1980, 2 P.M., Glumac & Assoc.

4. At the next meeting we shall review Section 1707 - ATRIUMS and NFPA #90A. Tom Campbell will send to all members copies of proposed NFPA-90A.

Keith Campbell, LLL  
William Guissi, Johnson Controls  
Fred Jones, Linford Air  
William Wong, PG&E  
Nanette Pike, U.C. Extension  
Joyce Owen, Q Industries  
John Pastore, Robertshaw Controls  
John Ross, Presbyterian Hospital  
Walter Tyz, Mechanical S/M  
Van Charles, Charles & Braun  
David Chan, Bechtel Power  
Jim Hill, Grinnell Fire Protect.