

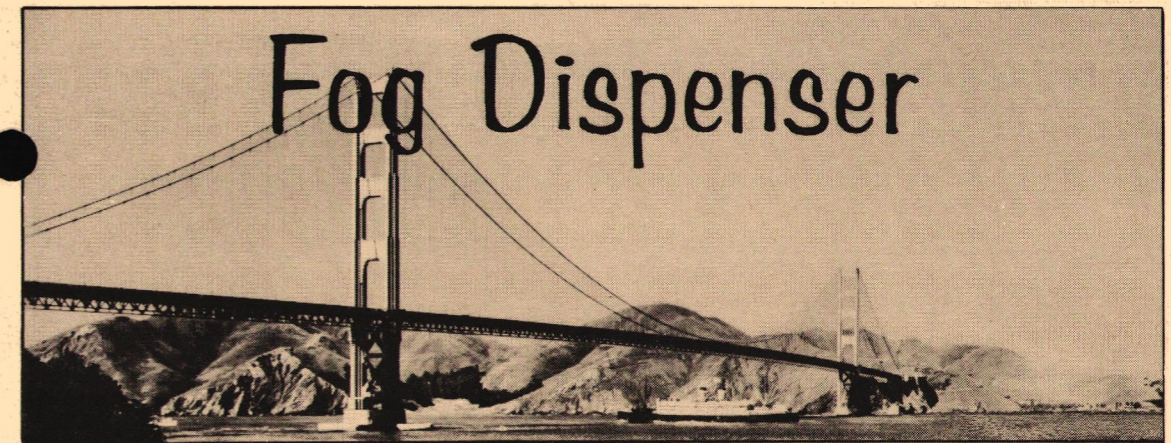
----- ATTENDANCE AT MAY MEETING -----

MEMBERS

Gil Stahl	M. F. Clarke	I. J. Sprott	John A. Lord
Bob Ruth	E. C. Cooley, Jr.	Roy Plass	Pete Tidmarsh
C. L. Arnold	Irving Alger	Sig Kulka	Ted Georgiou
Thomas J. White	Bob McLean, Jr.	Ray Carrillo	Karl Baldwin
Herman Bauer	Elmer F. Craig	John Hahn	Robert A. Wistort
Donald Locke	Joe Beck	Jack A. Palmer	Edward Long
Tom Douglass	Jules S. Spear	Don Campbell	Gordon Hazard
C. Ham	D. R. Dickson	Leo Rothe	Hal R. Bissell
Ray Wolford	George Dwyer	Gerry Yaffe	D. W. (Bill) Martin
Neil Gordon	Don Keown	Chuck Rosenberg	R. F. Chesebro
Charles Kopf	Bill Orton	Ward L. Clark	George N. Aronovsky
R. L. Kenfield	Walt Schneider	Chuck Kopf	C. Stuart Malcolm
David H. Dufur	John Lenihan	Rudy Pribuss	K. Guttman
William Wurzbach	John Littleton	Daniel J. Aronoff	Dick Friedman
John R. Mather	Lewis Long	C. E. McLaughlin	Robert Voelz
Edwin C. Leedom, Jr.	Bob Swezey	I. A. McGraff	Arel W. Berrier
Bill Broderick	M. Stuart Stevenson	Doug Kerby	Jack Kniveton
Sandy Fox	Medford Schwarz	Clyde E. Walters	Clyde Wilson-Reid
Ross Chamberlain	Howard Friesen	Joseph E. Murray	Karl Baldwin
Marion Riffle	Al Scavino	Gus Gendler	Jim Lazor
Carl H. Jordan	Don Kirtley	Thomas E. Brewer	Neil Eskra
C. H. Bailey	W. H. Olson	Richard Emerson	O. E. Bloeham
J. M. Nussbaum	Pete Knezevich	Fred Vann	

GUESTS

Jim Lloyd	Bedi Korun	William Syphard
Jim Bouick	William Scharninghausen	Sam Yamauchi
Sloe Ginn	Don Ralston	John Hutchison
Dry Ginn	Ray Grove	Wm. Milligan, Jr.
Leonard Ratliff	Frank Jameson	Roger Hocks
Harley Driessen	H. J. Heger	Charles Goldman
H. Weihl	Barbara Tyler	John E. Sutherland
Howard Gee	Mrs. C. H. Bailey	Bob Dempster
John Miche	Wm. D. Henderson	Norman Brown
George E. Kinnear	Joe G. Ashley	Gene Valerio
Peter Feeney	Gary D. Valentine	Milton McLeod
Q. F. Sorensen	Robert Provo	F. A. Ubhaus
Wm. E. Whitmore	Gene Moschetti	Milton McLeod
Dave Perkins	Don Huffine	Wendall J. Gates
Don Weisse	Paul R. Nussbaum	Thomas A. McGlynn, Jr.
Albert P. Johnson	A. Westergard	John M. Ackerman
R. W. Saylor	S. E. Koch	Ted Takaoka
Mario Decio	R. S. Quackenbush	Arthur C. Bland
Hikmat Raffoul	D. R. McCloy	Carl Wrecher, Jr.
Richard Frankcomb	Harold Nelson	Frank Fields



GOLDEN GATE CHAPTER



ASHRAE

VOLUME XIV No. 6

JUNE 1964

COMING ATTRACTION

by H. W. Eagleson

DATE:	THURSDAY, JUNE 4
PLACE:	BACK TO ENGINEERS CLUB Pine and Sansome
TIME:	COCKTAILS: 5:30 - 6:30 DINNER: 6:45

A panel discussion of automatic temperature controls — their relation to the architect, engineer, contractor and owner. A scheduled program will touch on such topics as tying controls into the mechanical design, mechanical contractor's responsibilities relative to temperature controls, educational follow-up with the owner, service, and other items of interest and concern to all of us in the field.

Panelists will be local representatives of major control manufacturers.

Following the formal panel, the meeting will be opened to comments and questions from the floor.

 JUNE ANGEL

CHARLES M. BAILEY COMPANY

667 Folsom Street

San Francisco 7, California

EX 7-1611

Published monthly by the Golden Gate Chapter of the American Society of Heating, Refrigerating and Air-Conditioning Engineers, 1371 - 15th Avenue, San Francisco, California 94122. LO 6-2740.

OFFICERS AND BOARD OF GOVERNORS

1963-1964

J. D. Kniveton President
 Thomas E. Brewer Vice President
 G. L. Gendler Secretary
 Arel W. Berrier Treasurer

BOARD OF GOVERNORS

L. E. Shea
 G. R. Voelz
 D. A. Delaney

COMMITTEE CHAIRMEN

Program Chairman Thomas E. Brewer
 Attendance John Brose
 Membership George Aronovsky
 Finance Arel W. Berrier
 Dance Charles Butcher
 Publicity Jim Booth

FOG DISPENSER STAFF

Chas. W. Kopf Editor
 Joe Murray Angel Procurement

COURSES AT U.C.

by Bob Newton

The 17th annual meeting of the Heat Transfer and Fluid Mechanics Institute will be held Wednesday through Friday, June 10-12 at the University of California Berkeley campus. Over 300 scientists and engineers are expected.

Noise control will be given the "cure" in an intensive five day course in San Francisco September 14-18. This course is intended for engineers, architects and anyone concerned with noise control. Vincent Salmon, manager of Sonics Department at Stanford Research Institute will serve as course director.

Call Berkeley 845-6000, ext. 4151 for further information.

MINUTES

Golden Gate Chapter, ASHRAE

May 5, 1964 Meeting

by G. L. Gendler, Secretary

Jack Kniveton opened the meeting at 7:30 p. m. at the California Academy of Sciences, Golden Gate Park. Introduction of guests and members followed.

Minutes of previous meeting approved as printed in FOG DISPENSER.

Don Dickson urged members to attend the Region X meeting in Sacramento May 14 and 15.

G. L. Gendler proposed an Amendment to the By-Laws, Article VI, Paragraph 6.2, that the Nominating Committee be increased from three to five members to conform with the Society's model By-Laws.

A motion was made and seconded to so amend.

Joe Murray of Buonaccorsi and Murray explained the background of design procedures for the revisions and alterations to the mechanical and piping systems for the Steinhart Aquarium. Clyde Walters diagrammed the flow process for aerating and filtering the 8 different water systems required to provide nearly perfect water conditions for the fish tanks. Mr. Robert Dempster of the Academy explained some of the intimate details of fish habits. These discussions were then followed by a one hour tour of the various systems.

The entire program was very well received by the 140 members and guests present. Meeting adjourned at 9:45 p. m.

**NOMINATING COMMITTEE
INCREASED IN SIZE**

All members please note that a motion approved at the May meeting to amend our By-Laws, Article VI, Paragraph 6.2, reads as follows:

"A Nominating Committee of five (5) members, with duties as outlined in Article VII, shall be elected each year"

This amendment will increase the Nominating Committee to include two rank and file members to conform to the National.

We would like to invite the following past presidents to attend the June meeting, at which time they will be presented with a Certificate of Appreciation for their work as past president of the Golden Gate Chapter:

Karl Baldwin
 Joseph E. Murray
 Thomas J. Janes
 R. C. Cushing
 Frank K. Crouch
 Herb Duncan
 James B. Smith
 Thomas J. White
 Robert B. Holland
 Herbert V. Hickman
 G. M. Simonson
 Clyde E. Bentley
 Eric Roberts
 Donald E. McLeod

*Invest in Democracy**Vote in the Primary Elections**Tuesday, June 2nd***TEN RULES
FOR MEMBERSHIP IN
CORONARY CLUB**

1. Your job comes first; personal and family considerations are secondary.
2. Go to the office evenings, Saturdays, Sundays, holidays. Be available by phone at all hours.
3. Take the brief case home on evenings you don't go to the office. This way you can review completely all troubles and worries of the day.
4. Never say no to a request; always say yes.
5. Accept all invitations to meetings, banquets, committees, etc.
6. Don't eat a restful relaxing meal — always plan a conference for the meal hour.
7. Regard fishing, hunting, golf, bowling, billiards, cards, gardening as a waste of time or money.
8. Believe it's poor policy to take all the vacation allowed you.
9. If your work calls for traveling, work all day and travel all night to keep the next morning's appointment.
10. Never delegate responsibility to others; carry the entire load yourself at all times.



--- Thanks to
 Sabin and Casten Engineers!

COMING ATTRACTION *(continued from page one)*

dinner Mr. Murray, and we hope Mr. Dempster, will give talks before the tour, describing the problems encountered during the design, installation, and start up of the new system.

For those of you present two months ago at the meeting on infra-red radiant heating, we will have a first hand opportunity to find out if the snakes are really comfortable.

We look forward to a big turnout for this meeting and again *urge you* to get your post-cards in early.

ATTENDANCE AT APRIL MEETING

MEMBERS

Phil Beggs
 Ted Georgiou
 John Capitolo
 Tom Douglass
 Donald L. William
 William F. Myer
 Donald A. Delaney
 Irving Alger
 Donald Locke
 Ray Wolford
 M. L. Clarke
 Bob McLean
 Bob Ruth
 K. M. Lloyd
 Mark Fisher
 Filios Peter
 Bob Wistort
 Dick Charles
 Don Campbell
 Sig Kulka
 Bill Broderick
 Ray J. Carrillo
 H. F. Ferry Jr.
 George N. Aronovsky
 F. M. Palacios
 P. E. Blockam
 T. E. Loy
 Al Scavino
 Dick Friedman

MEMBERS

Don McLeod
 M. Stuart Stevenson
 John A. Lord
 Ross M. Sherrill
 Neil W. Wilson
 J. K. Sypher
 Gus Gendler
 A. W. Berrier
 G. Kasin
 Herb Dimean
 Bill Davidson
 John Littleton
 Gil Carlson
 Jack Kniveton
 Leo Dwyer
 Howard Friesen
 Tom Higashioka
 Walt Schneider
 Tom White
 Hal Bissell
 Bill Martin
 Paul H. Hayoli
 Bob Phillips
 W. F. Farmer
 Charles H. Bailey
 John A. Linford
 Lou Gramaglia
 H. H. Grundfor

GUESTS

Arthur C. Bland
 Roger Hicks
 Ray Holmes
 Kit Kittinger
 Charlie Goldman
 Jim Rhoads
 John E. Chapman
 Art Foster
 John Lorenz
 Laurie Ingram
 Robert J. Peterson
 Ron Kenfield
 W. E. Erickson
 Gus Boucy
 Mike Cort
 Joe Nussbaum
 Del Enbom
 Domingo A. Padilla
 Dick Cameron
 Michael P. Mansfield
 Gil Mine
 Joe Washington
 Connie Arnold
 Gene Hughes
 Noel W. Wells
 Gil Stahl
 Gerald Siegfried



GOLDEN GATE CHAPTER



ASHRAE

VOLUME XIV No. 5

MAY 1964

COMING ATTRACTION

by Dick Friedman, Engineered Air Systems

THE ODD DATE: MAY 5th - TUESDAY

THE PLACE: Golden Gate Park
California Academy of Science BuildingTHE TIME: 5:30 PM - 6:45 PM - Cocktails
6:45 PM - Catered Dinner

It is imperative that the postcards for this meeting *be received by Friday, May 1* at the very latest. The reason for this is the need to confirm reservations to the caterer who is allowing us very little flexibility.

This meeting has the makings of one of the finest field trips ever taken by our chapter. We will have the opportunity to view the inner workings of Steinhart Aquarium. Our guides will be Mr. Joe Murray of Buonaccorsi and Murray, the consulting engineering firm that did the design work on the heating and piping for the revisions and alterations performed last year, and Mr. Robert Dempster of the California Academy of Sciences. After

(continued on back page)

MAY ANGEL

WAGNER ELECTRIC COMPANY

219 Shaw Road
 South San Francisco
 761-0229

Published monthly by the Golden Gate Chapter of the American Society of Heating, Refrigerating and Air-Conditioning Engineers, 1371 - 15th Avenue, San Francisco, California 94122. LO 6-2740.

OFFICERS AND BOARD OF GOVERNORS 1963-1964

J. D. Kniveton President
Thomas E. Brewer Vice President
G. L. Gendler Secretary
Arel W. Berrier Treasurer

BOARD OF GOVERNORS

L. E. Shea
G. R. Voelz
D. A. Delaney

COMMITTEE CHAIRMEN

Program Chairman Thomas E. Brewer
Attendance John Brose
Membership George Aronovsky
Finance Arel W. Berrier
Dance Charles Butcher
Publicity Jim Booth

FOG DISPENSER STAFF

Chas. W. Kopf Editor
Joe Murray Angel Procurement

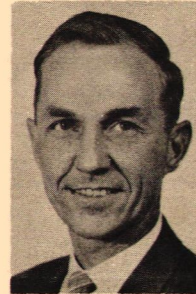
EDITORIAL...

WHERE WILL YOU BE?

Wonder how many people will go astray and return to our regular meeting place on the regular day? Did you send in your card or phone for reservations? You'll eat not if you don't, so do send or phone reservations right now.

PRESIDENT'S CORNER

by Jack Kniveton



Time flies by and this will be my last column. Tom Brewer will be installed as president during the May meeting. It has been a fine experience and a lot of fun to serve as your president. I heartily recommend active participation in chapter affairs to each of you. The work that you contribute benefits both you and the chapter.

Your Board of Governors and Committees have done an excellent job this year and deserve your and my sincere thanks.

Irv Alger and his standing committee should be proud of the widespread use of the "Recommended Outdoor Design Temperatures for Northern California" booklet. Sales have now reached a point where all printing costs have been met. We have plenty of copies available at a cost of \$1.00 each, which includes mailing charges.

Dick Friedman's draft of our proposed College Workshop program has been approved by the Board of Governors and forwarded to National for approval. When this is secured, it will be presented to the chapter for final discussion and approval. I know that all of us will want to get behind this program with real enthusiasm.

Our efforts to secure the 1971 National Convention and Show will reach a climax within the next few weeks. Tom

(continued on page three)

MINUTES

Golden Gate Chapter, ASHRAE
April 2, 1964 Meeting

by G. L. Gendler, Secretary

Jack Kniveton opened the meeting at 7:30 p.m. Introduction of guests and members followed.

Minutes of previous meeting were approved as printed in FOG DISPENSER.

The three Tellers, Jack Palmer, John Littleton, and Pete Knezevich, reported on the results of the election for 1964-1965 officers.

Those elected:

President: Tom Brewer
Vice President: Gus Gendler
Secretary: Arel Berrier
Treasurer: Larry Shea

Board of Governors:

Jack Kniveton
Robert Voeltz
Dick Friedman.

Announcement of Regional X meeting May 14, 15 and 16 in Sacramento by Noel Wells of Sacramento Chapter, who explained the details of registration, technical sessions and social events. A perpetual Man-Mile Award will be given to the Chapter with the largest attendance.

Membership Chairman, George Aronovsky, noted that his committee has distributed 150 applications to prospective members. We now have 22 new members toward our quota of 39. He urged everyone who is not a full member to apply for advancement in grade.

John Littleton introduced the speaker, G. F. Carlson, Chief Engineer, Specialty Division, ITT Bell and Gossett Company, who spoke on "A New Concept of Heating and Cooling Switch Over."

Mr. Carlson had several innovations heating and cooling control involving

REGION X MEETING

Save MAY 14th to 16th

for the big

Regional Meeting and Conference

in Sacramento

at the El Dorado Hotel—downtown

INDOOR COMFORT NEWS INTERESTED IN CHAPTER

Indoor Comfort News has done a fine job in reporting chapter affairs. They are interested in obtaining news of the activities of chapter members. If you have something to contribute, contact their reporter, Chuck Goodman, 2412 Piedmont Avenue, Berkeley - Telephone 841-0941.

PRESIDENT'S CORNER

(continued from page two)

Brewer, Larry Shea and Tom White have worked hard for several years to land this event. You can help impress our national officers with our interest by attending the Regional Meeting in Sacramento in May.

Many thanks for your support in making this a productive year for the chapter.

two and three pipe, single coil systems; and two, three and four pipe duo coil systems; and two pipe mono-flow. He strongly urged that the designer ignore any necessity for increasing the length of convectors or size of coils for progressively reduced heating or cooling differential on a mono-flow system.

55 Members present; 29 Guests.

The meeting adjourned at 9:45 p.m.