



# YEAR BOOK

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SAN FRANCISCO SECTION

AMERICAN SOCIETY OF CIVIL ENGINEERS





# YEAR BOOK

## 1954



**San Francisco Section**  
**American Society of Civil Engineers**  
✦ Organized April 28th, 1905 ✦







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## OFFICERS FOR 1954

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JOHN E. RINNE

225 Bush Street, San Francisco, 20 - - - - - Sutter 1-7700  
25 Van Tassel Lane, Orinda - - - - - Clifford 4-3458

### VICE PRESIDENTS

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(Term expires December 1954)

ROBERT D. DEWELL

(Term expires December 1955)

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(Term expires December 1954)

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166 Dorchester Way, San Francisco, 27 - - - - - Lombard 6-7057

### TREASURER

ROBERT M. KENNEDY

(Term expires December 1954)

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320 Kellog Street, Palo Alto - - - - - DAvenport 2-3872

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N. J. LEWIS

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D. H. WILLIAMS

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R. K. LINSLEY, *Chairman*  
R. W. WHITAKER, *Secretary*  
J. K. VENNARD, *Hydraulics*  
E. A. PEARSON, *Sanitary*  
W. W. MOORE, *Soil Mechanics*  
S. T. HARDING, *Irrigation*  
B. C. ALLIN, *Waterways*  
W. N. FRICKSTAD, *Highways*

### *Building Code*

(*San Francisco Section & SEAONC*)  
L. M. GRAHAM, *Chairman*  
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E. O. MOORHEAD  
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E. H. THOUREN (to August 1, 1955)  
R. D. DEWELL (for calendar year 1954)

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#### *State Department of Industrial Relations, Division of Safety*

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#### *Bay Area Aviation Committee*

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J. G. WRIGHT



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University of Santa Clara

E. C. FLYNN, *Faculty Advisor*

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*Chairman after July 1*  
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 B. A. ETCHEVERRY  
 L. A. ELSENER  
 F. F. HALL  
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 J. S. LONGWELL, *Ex-Officio*

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 P. E. KILKENNY  
 E. A. PEARSON  
 O. J. PIEMME  
 R. W. PURDIE  
 W. R. SEEGER  
 S. M. TATARIAN  
 J. D. WORTHINGTON  
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 R. N. JANOPAUL  
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H. C. MEDBERY, *Ex-Officio*  
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*Reception*

F. W. CLAYTON,  
*Chairman to July 1*  
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*Chairman after July 1*  
W. W. BREWER, JR.  
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B. C. ALLIN

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R. A. MOYER, *Highway*  
J. K. VENNARD, *Hydraulics*  
F. L. HOTES, *Irrigation*  
R. F. KRAFFT, *Power*  
B. I. BURNSON, *Sanitary*  
C. H. LEE, *Soil Mechanics*  
R. ARCHIBALD, *Structural*  
J. E. WAITE, *Surveying and Mapping*  
F. R. MUHS, *Waterways*

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*San Francisco Chamber of Commerce*

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A. C. JENKINS, *Mass Transit*  
D. F. JOHNS, *Armed Services*

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V. J. RICHEY, *Contact Member*  
G. R. MILLER,  
*Junior Contact Member*

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C. N. OGLESBY, *Faculty Advisor*  
L. L. WISE, *Contact Member*  
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B. PLEHN, *Faculty Advisor*  
R. C. FLYNN, *Faculty Advisor*  
N. J. LEWIS, *Contact Member*  
F. M. BELICK, *Junior Contact Member*



## PAST PRESIDENTS

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†EDWIN DURYEA, JR.	1906
†ARTHUR L. ADAMS	1907
†CHAS. D. MARX (Honorary Member)	1908
†LUTHER WAGONER	1909
†FRANKLIN RIFFLE	1910
C. DERLETH, JR.	1911
†C. E. GRUNSKY	1912
†CHARLES B. WING	1913
†C. H. SNYDER	1914
†A. M. HUNT	1915
†H. L. HAEHL	1916
†J. D. GALLOWAY (Honorary Member)	1917
†JEROME NEWMAN	1918
†E. J. SCHNEIDER	1919
†M. M. O'SHAUGHNESSY	1920
†FRED R. MUHS	1921
THOS. H. MEANS	1922
†G. A. ELLIOTT	1923
FRANK G. WHITE	1924
H. C. VENSANO	1925
B. A. ETCHEVERRY	1926
N. A. ECKART	1927
†W. H. KIRKBRIDE	1928
I. C. STEELE	1929
†H. D. DEWELL	1930
LEON B. REYNOLDS	1931
GEO. W. PRACY	1932
H. H. HALL	1933
N. A. BOWERS	1934
C. G. HYDE	1935
WALTER L. HUBER	1936
H. J. BRUNNIER	1937
RALPH G. WADSWORTH	1938
†FREDERICK H. FOWLER	1939
HAROLD B. HAMMILL	1940
JAMES I. BALLARD	1941
WALTER DREYER	1941
FRANK E. BONNER	1942
SAMUEL B. MORRIS	1943
THORNTON J. CORWIN, JR.	1944
GEORGE D. WHITTLE	1945
THEODORE P. DRESSER, JR.	1946
SIDNEY T. HARDING	1947
L. A. ELSENER	1948
AUSTIN W. EARL	1949
GLENN B. WOODRUFF	1950
†CLEMENT T. WISKOCIL	1951
JOHN S. LONGWELL	1952
J. G. WRIGHT	1953

†Deceased.

# CONSTITUTION

## ARTICLE I.

### NAME, LOCATION AND OBJECT

SECTION 1. The name of this organization shall be the SAN FRANCISCO SECTION, AMERICAN SOCIETY OF CIVIL ENGINEERS.

SECTION 2. The offices of the Section shall be located in the City of San Francisco.

SECTION 3. The objects of the Section shall be the advancement of engineering knowledge and practice; the cultivation of friendly relations with all engineers; the maintenance of high professional standards; and cooperation with other engineering societies, with a view to promoting the general welfare of the American Society of Civil Engineers and the engineering profession.

## ARTICLE II.

### MEMBERSHIP

SECTION 1. The membership of this Section shall consist of all members of the American Society of Civil Engineers who reside within this Local Section area\*, as defined and determined by the Society, together with such members of the Society residing in other Local Section areas as may desire to be subscribing members of the Section.

SECTION 2. Members of the Section who pay prescribed Section dues shall be deemed to have subscribed to the Constitution of the Section and shall be known as Subscribing Members. Other members shall be known as Non-Subscribing Members. Only Subscribing Members shall have the right to hold office, vote or have any voice in the government of the Section.

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\* That part of California west of the east lines of Del Norte, Humboldt, Mendocino, Lake, Napa, Solano, Contra Costa, Alameda, and Santa Clara counties; south of the north lines of Merced and Mariposa counties; west of the east lines of Madera, Fresno, and Kings counties; and north of the south lines of Kings and Monterey counties.



## ARTICLE III.

### DUES

SECTION 1. The annual dues payable by Subscribing Members shall be as fixed by the Board of Directors of the Section and as stated in the Rules and By-Laws, but shall not exceed \$5.00 per annum. If the dues of any Subscribing Member are more than one year in arrears, he shall, unless otherwise authorized by the Board of Directors, cease to be a Subscribing Member of this Section.

SECTION 2. No dues shall be assessed against Non-Subscribing Members.

## ARTICLE IV.

### OFFICERS

SECTION 1. The officers of this section shall be a President, two Vice Presidents, a Secretary, and a Treasurer. These officers, and the latest available Past President of the Section, and the current President of the Junior Forum, shall constitute the Board of Directors of the Section.

SECTION 2. The terms of office of the President of the Section shall be one year; of the Vice-Presidents, Secretary, and Treasurer, two years, all beginning on January first of the year following election, and continuing for the periods above named, or until a successor is duly qualified. One Vice-President shall be elected each year to serve during the first year of his term of office as Junior Vice-President and during the second year as Senior Vice-President.

SECTION 3. A vacancy in the office of President shall be filled by the Senior Vice-President and a vacancy in the office of Senior Vice-President shall be filled by the Junior Vice-President. In case of a vacancy in the office of Junior Vice-President, Secretary, or Treasurer, the Board of Directors shall appoint an eligible member of the Section to fill the office until a successor is duly elected and qualified, at the next annual meeting.

SECTION 4. The President shall not be eligible for re-election. A Vice-President shall not be eligible for re-election to the same office until at least one full term shall have elapsed after the expiration of his term of office.



## ARTICLE V.

### MANAGEMENT

SECTION 1. Subject to the provisions of this Constitution, the Board of Directors shall be vested with the exercise of all powers necessary for the government of the Section and the management of its affairs. It shall fix the dues to be paid by Subscribing Members, shall direct the investment and care of the funds of the Section, shall make appropriations for specific purposes, shall authorize necessary expenditures, shall appoint all employees and fix all salaries, and in general shall direct the business of the Section, either itself or through its officers and committees.

SECTION 2. The Board of Directors shall prepare and adopt a series of By-Laws, which shall govern its procedure, shall prescribe the duties of the several officers and shall provide for the general administration of the affairs and property of the Section. Such By-Laws shall be adopted and may be amended by a concurring vote of not less than four members of the Board, provided that the text of a proposed By-Law or amendment shall be furnished to each member of the Board at least ten days before the meeting at which a vote on the same will be taken.

SECTION 3. Meetings of the Board of Directors shall be held at such times and places as the Board may determine. At any meeting of the Board, four members shall constitute a quorum.

## ARTICLE VI.

### NOMINATION AND ELECTION OF OFFICERS

SECTION 1. At the regular meeting of the Section in August of each year, there shall be selected by ballot from among eight or more candidates nominated from the floor, four Subscribing Members of the Section who, together with the last available Past President of the Section, shall form a Nominating Committee of five members. Members of the Board of Directors, members of the Section who are not Corporate Members of the Society, and members who served on the Nominating Committee for the preceding year shall not be eligible to membership on the Nominating Committee.

SECTION 2. Not later than the first day of October of

the same year, the Nominating Committee shall submit to the Secretary a written report, signed by at least four of its members, nominating candidates for offices to be filled for the ensuing year. The Committee shall nominate one candidate for each of the offices of President, Secretary, and Treasurer and three candidates for the office of incoming Vice-President. No member of the Committee shall be eligible for nomination.

SECTION 3. Not later than the fifteenth day of October, the Secretary shall mail to each subscribing member of the Section a copy of the report of the Nominating Committee together with a copy of Section 4 of this Article.

SECTION 4. Other nominations for any office to be filled for the ensuing year may be made prior to November 1st of the current year by submitting to the Secretary a written declaration signed by at least twenty Subscribing Members of the Section.

SECTION 5. The Secretary shall cause letter-ballots to be printed in a form adopted by the Board of Directors, containing the name and grade of membership in the Society of all nominees for each office, together with a blank space thereunder; and not later than the fifteenth of November, he shall mail one ballot, together with the necessary instructions and return envelopes, to each Subscribing Member at his last address of record. Instructions to voters shall include memorandum of personnel of the Nominating Committee and signers of nominating declarations, with suitable reference to the respective candidates nominated by each.

SECTION 6. The voter may strike out the name of any nominee, or nominees, printed on the ballot for whom he does not wish to vote and substitute in the blank space provided thereunder, the name of any other person eligible for the office; but only one name shall be shown for each office to be filled.

SECTION 7. Ballots shall be sealed in the blank envelope provided and this in turn enclosed in a sealed envelope bearing the signature of the voter across the flap, and thus delivered at the office of the Secretary before 12:00 o'clock noon on the day of the Annual Meeting, at which time the polls shall close. Ballots shall be kept in their outer envelopes unopened while the polls are open and any voter may, during this period, withdraw his ballot and substitute another.

SECTION 8. Immediately after the closing of the polls, the Secretary shall deliver the ballots to three Tellers, appointed



by the President, who shall canvass the ballots publicly and render a detailed written report of results at the Annual Meeting. The President shall thereupon declare elected the persons receiving the largest number of votes for the respective offices. In case of a tie vote for any office, the office shall forthwith be filled from among the tied candidates by a written ballot election by the Subscribing Members at said meeting.

At the conclusion of the canvass, the Tellers shall return the ballots to the custody of the Secretary who shall hold them subject to the order of the Board of Directors.

SECTION 9. With the exception of an officer serving a partial term due to a vacancy in office, the President and Vice-President shall be ineligible to succeed themselves.

## ARTICLE VII.

### MEETINGS

SECTION 1. The Annual Meeting of the Section shall be held on the third Tuesday of December in each year.

SECTION 2. Regular meetings shall be held bi-monthly at such time and place as may be directed by the Board of Directors.\*

SECTION 3. At the annual and all regular meetings, the business of the Section shall be transacted, committee reports submitted and professional papers presented and discussed.

SECTION 4. A special meeting may be called for a specific purpose at any time by the Board of Directors. Notice of a special meeting, together with the reason for which called, shall be mailed to all members of the Section.

## ARTICLE VIII.

### AMENDMENTS

SECTION 1. Proposed amendments to this Constitution must be reduced to writing, signed by not less than twenty-five subscribing members, and submitted to the Board of Directors for review and recommendations.

SECTION 2. At the first regular meeting of the Section following submission of the proposed amendment, the President shall present it, together with the Board's recommendations

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\*The established custom is to hold dinner meetings at the Engineers' Club of San Francisco, 206 Sansome St., on the third Tuesdays of February, April, June, August, October, and December.

thereon, and call for discussions from the floor. At the following regular meeting the proposed amendment shall be in order for further discussion and may be amended in any manner pertinent to the original amendment by a majority vote of the Subscribing Members present at said meeting. Immediately following this discussion the meeting shall decide by majority vote whether or not the proposed amendment, as finally drafted, shall be voted upon by letter-ballot.

SECTION 3. Within thirty days after decision to vote by letter-ballot on the proposed amendment, the Secretary shall mail to each Subscribing Member, at his last address of record, a copy of said amendment with the letter-ballot and necessary instructions and return envelopes. Ballot shall be sealed in the blank envelope provided and this in turn enclosed in a sealed envelope bearing the signature of the voter across the flap, and thus delivered at the office of the Secretary before 12:00 o'clock noon on the day of the next regular meeting at which time the polls shall close. Ballots shall be kept in their outer envelopes unopened while the polls are open and any voter may, during this period, withdraw his ballot and substitute another.

Immediately after the closing of the polls, it shall be the duty of the Secretary to deliver the ballots, to three Tellers, appointed by the President, who shall canvass the ballots publicly and render a detailed written report of results to the next regular meeting. The President shall thereupon declare the result of the vote. At the conclusion of the canvass, the Tellers shall return the ballots to the custody of the Secretary who shall hold them subject to the order of the Board of Directors.

SECTION 4. This Constitution may be amended only by an affirmative vote of not less than two-thirds of the Subscribing Members voting, provided the total number of voters shall be not less than a majority of the subscribing membership and provided that such amendment shall have previously or subsequently received the approval of the Board of Directors of the American Society of Civil Engineers.



# RULES AND BY-LAWS

## ARTICLE I.

### PAYMENT OF DUES

SECTION 1. Dues shall be payable annually in advance on January 1st. A person becoming a subscribing member after July 1st, shall pay only one-half year's dues.

SECTION 2. Not later than December 1st, the Treasurer shall notify each subscribing member at his last address of record on the books of the Section of the amount due for the ensuing year.

SECTION 3. If the dues of any person are unpaid on July 1st, he shall be so notified by the Treasurer.

SECTION 4. The dues of subscribing members shall be in accordance with the following schedule:

Resident Members—Dues \$5.00 per Annum

Members whose place of professional occupation is in San Francisco, Oakland, Berkeley, Alameda, Piedmont, Emeryville or Albany.

Non-Resident Members, Class I—Dues \$4.00 per Annum

Members whose place of professional occupation does not come under the foregoing classification, but is within a circle whose radius from the Ferry Building is one hundred miles.

Non-Resident Members, Class II—Dues \$3.00 per Annum

Members whose place of professional occupation does not fall under either of the two foregoing classifications.

Resident Junior Members—Dues \$4.00 per Annum

Non-Resident Junior Members—Dues \$3.00 per Annum

## ARTICLE II.

### MANAGEMENT

SECTION 1. The President shall have general supervision of the affairs of the Section. He shall preside at meetings of the Section and of the Board of Directors at which he may be present, and shall be ex-officio member of all committees, except the nominating committee. In the absence of the President, the Vice-Presidents in order of seniority, or in the absence of the Vice-Presidents, the last available Past President shall preside at meetings and discharge the duties of President. The President,

subject to the approval of the Board of Directors, shall appoint all committees of the Section, both standing and special. He shall sign all checks, stock certificates, contracts and other papers requiring the signature of the Section when such are known to him to be proper and duly authorized by the Board of Directors; in case of his prolonged absence or disability the Senior Vice-President shall act in his stead.

SECTION 2. The Secretary and Treasurer shall attend all meetings of the Section and of the Board of Directors; the Secretary shall prepare the business therefor, and duly record the proceedings thereof. He shall conduct the correspondence of the Section and keep full records of the same, and shall perform all other duties which may from time to time be assigned to him by the Board of Directors.

The Treasurer shall see that all moneys due the Section are carefully collected and deposited in the name of the Section. He shall personally certify the accuracy of all bills or vouchers on which money is to be paid, and draw and countersign all checks against the funds of the section, when such drafts are known to him to be proper and duly authorized by the Board of Directors and shall similarly countersign all stock certificates, contracts or other papers requiring the signature of the Section; in case of a prolonged absence or disability of either the Secretary or Treasurer an assistant for either shall be appointed by the Board of Directors from the Subscribing Members to act in his stead.

The Treasurer shall invest all funds not needed for current disbursements, as shall be ordered by the Board of Directors. He shall have charge of the books of account of the Section and shall furnish bi-monthly to the Board of Directors a statement of receipts and expenditures under their several headings. He shall present annually, to the Board of Directors, a balance sheet of his books, as of the thirty-first of December, and shall furnish from time to time such other statements and reports as may be required of him by the Board.

The Secretary and the Treasurer shall be paid salaries to be determined by the Board of Directors.

## ARTICLE III.

### TECHNICAL DIVISIONS

Technical Divisions of the Section may be organized by groups of Subscribing Members within the Section for the intensive study of any phase of civil engineering, or other scientific subject. These divisions may be formed upon presentation



to the Board of Directors of a petition signed by twenty Subscribing Members stating the proposed name of the division and the field of study. Formation of a division is not completed until the petition has received the approval of the Board of Directors. Each division shall have a chairman and may have committees. Divisions shall incur no financial obligations chargeable to the Section, unless specifically authorized by the Board. Divisions may be suspended or disbanded by action of the Board of Directors on sixty-day written notice presented to the chairman of the division.

## ARTICLE IV.

### JUNIOR FORUM

SECTION 1. The Juniors of the Section may establish and operate a Junior Forum for the purpose of preparing themselves for active participation in the affairs of the Society and promoting professional and social fellowship among themselves. The policy of the Section shall be to cooperate with the Forum in all practicable ways requested, and to assist them financially to such extent as may be approved by the Board of Directors of the Section.

SECTION 2. The Junior Forum shall adopt and be governed solely by its own Constitution, which, with all amendments thereto, must be approved by the Board of Directors of the Section before becoming effective.

## ARTICLE V.

### STUDENT CHAPTERS

SECTION 1. Student Chapters within this Section area, organized under the authority of the Society, will be aided by the Section. Each of these Student Chapters is authorized to communicate with members of the Section to arrange for speakers and for other cooperation. Members of these student chapters are invited to attend the meetings of the Section and may be granted special privileges as determined by the Board of Directors.

SECTION 2. Each year the Section shall award a prize to one student in each Student Chapter in the Local Section area who gives most promise of becoming a distinguished member of the American Society of Civil Engineers. Prizes shall consist of

the initiation fee and Junior Badge or one year's dues as Junior in the American Society of Civil Engineers. The recipients of the awards shall be selected by the Board of Directors, upon the advice and recommendation of the respective faculties of the schools of engineering having Student Chapters.

## ARTICLE VI.

### GUESTS OF THE SECTION

SECTION 1. The President and Secretary are authorized to invite to the Section dinners and meetings, as guests of the Section, any member of the Society not a member of this Section, and all speakers presenting the technical papers.



## ROSTER OF SUBSCRIBING MEMBERS

APRIL 1, 1954

\*Life Members, i.e., members exempt from dues to the American Society of Civil Engineers because they have paid dues for thirty-five years or because they have reached the age of seventy years and have paid dues for twenty-five years.

Where two addresses are given, the first is the business address and the second is the residence address.

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2240 K Street, Eureka Hillside 2-1581
- WISE, LAURESS LEE, Associate Member  
Associate Editor, Engineering News-Record  
68 Post Street, San Francisco, 4 DOuglas 2-4600  
231 Fulton Street, Redwood City EMerson 6-5087
- WITBECK, HORACE MALCOLM, Associate Member  
City Engineer, City of Palo Alto  
City Hall, Palo Alto  
223 Stanford Avenue, Menlo Park DAvenport 3-0261  
DAvenport 3-0261
- WOLFE, DEWITT CLINTON, Member  
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450 Edgewood Road, San Mateo SUtter 1-5110  
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- WOLFE, Kenneth Gilbert, Junior Member  
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220 Bush Street, San Francisco, 4 DOuglas 2-4032  
26 Portsmouth Road, Piedmont, 10 GLencourt 1-5731



- WOLFE, WILLIAM D., Junior Member  
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391 Glenwood Avenue, Daly City PLaza 6-0276
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Civil Engineering Designer, Pacific Gas & Electric Co.  
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832 Noe Street, San Francisco, 14 Valencia 4-0325
- WONG, ROBERT F., Junior Member  
Junior Civil Engineer, California Division of Highways  
150 Oak Street, San Francisco Local 356, UNderhill 3-0222  
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- \*WOOD, HAROLD I., Associate Member  
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- WOOD, HOWARD C., Member  
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- WOOLL, JOHN E., Junior Member  
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- WOOLLEY, FRED K., Associate Member  
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3792 Moroa Avenue, Fresno, 4 Fresno 7-0330
- WORMALD, FRANK, Associate Member  
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540 Fairmont Avenue, Mountain View YORKshire 7-5420
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2836 Golden Gate Avenue, San Francisco, 18 BAYview 1-7763
- WRIGHT, J. G., Member  
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748 Coventry Road, Berkeley, 7 LAndscape 6-5881
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## Y

- YAMAGISHI, ROY M., Junior Member  
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220 Bush Street, San Francisco  
1302 - 100th Avenue, Oakland, 3 SUTter 1-6521  
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YANK, HERMAN VICTOR, Associate Member  
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YATES, J. PERRY, Member  
 Senior Vice-President, Bechtel Corp.  
 220 Bush Street, San Francisco DOuglas 2-4032  
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YORK, JAMES A., Associate Member  
 1520 Trollman, San Mateo

YOUNG, ROBERT K., Junior Member  
 Project Engineer, Foley Brothers, Inc.  
 Box 299, Ruth, Nevada Ely 5632  
 Box 317, Ruth, Nevada Ely 2466

## Z

ZACHEN, EDWIN GRIFFITH, Junior Member  
 Contra Costa County Building Inspection Department  
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ZAHARIN, SERGEI A., Associate Member  
 Chief Structural Engineer, R. B. Liles, Architect and Engineer  
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 260 Carl Street, San Francisco, 17 LOmbard 6-8702

ZENONI, WILLIAM J., Junior Member  
 Assistant Highway Engineer, California Division of Highways  
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ZIEGENFELDER, RUSH F.,  
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ZIMMERMAN, ROY J., Junior Member  
 Commercial Detailer  
 16109 Highland Drive, San Jose CLayburn 8-3187  
 16109 Highland Drive, San Jose CLayburn 8-3187



## In Memoriam

It is with regret that we record the loss by death of the following members:

- BRAUN, HARRY S., Associate Member  
GAUTHIER, RAYMOND E., Associate Member  
HATCH, EVERETT H., Life Member  
JAMES, JAMES S., Associate Member  
LEONARD, SPEED S., Member  
MISCH, FRANS M., Associate Member  
SMITTEN, HOWARD M., Member  
ST. JOHN, ROYAL U., Associate Member  
THOMAS, FRANKLIN, Member  
ULRICH, FRANKLIN P., Member  
WISKOCIL, CLEMENT T., Member  
WOOD, CLYDE W., Associate Member  
WOOLLEY, HORACE M., JR., Associate Member

CONSTITUTION OF THE JUNIOR FORUM  
of the  
SAN FRANCISCO SECTION  
AMERICAN SOCIETY OF CIVIL ENGINEERS

ARTICLE I.

NAME AND OBJECTIVE

SECTION 1. The name of this organization shall be The Junior Forum of the San Francisco Section, American Society of Civil Engineers.

SECTION 2. The objective of the Junior Forum is to prepare its members for active participation in the affairs of the American Society of Civil Engineers. The Junior Forum shall provide an opportunity for:

- (a) Experience in the conduct of meetings
- (b) Public speaking by its members
- (c) Presenting to the membership ideas on the theory and practice of civil engineering and related matters
- (d) Professional and social fellowship.

ARTICLE II.

MEMBERSHIP

SECTION 1. All Junior Members of the American Society of Civil Engineers who are subscribing members of the San Francisco Section shall be members of the Forum. No formal application for membership in the Forum shall be required.

ARTICLE III.

OFFICERS

SECTION 1. The officers of the Junior Forum shall be a President, First Vice-President, Second Vice-President, Secretary, and Treasurer. These officers, together with the most recent Past President and the chairmen of the standing committees specified in the By-Laws, shall constitute the Executive Committee in which the government of the Forum shall be vested.

SECTION 2. A vacancy in the office of President shall be filled by the First Vice-President. A vacancy in any other office shall be filled for the unexpired term at the direction of the Executive Committee.



## ARTICLE IV.

### MEETINGS

SECTION 1. Regular meetings shall be held during the months of January, March, May, July, September, and November.

SECTION 2. Special meetings may be held as provided for in the By-Laws.

SECTION 3. All regular meetings of the Junior Forum shall be open to members of the American Society of Civil Engineers of any classification and their guests.

## ARTICLE V.

### AMENDMENTS

SECTION 1. Amendments to this constitution may be proposed (a) by the Executive Committee or (b) by a petition in writing, signed by at least twenty-five members, addressed to the Executive Committee.

SECTION 2. The Executive Committee shall report any proposed amendment to the membership and shall make a recommendation concerning such petition at a regular meeting within three months following its proposal. Opportunity for full discussion shall be provided at the meeting at which the proposed amendment is presented to the membership. Following this meeting, the Secretary shall notify all members by mail of the proposed amendment.

SECTION 3. A written ballot shall be taken on the proposed amendment at the regular meeting following its original presentation to the membership. Full floor discussion shall also be provided at this meeting. In order for this Constitution to be amended, the proposed amendment must be approved by at least two-thirds of the members present.

SECTION 4. This constitution or any subsequent amendments thereto shall not be effective until approved by the Board of Directors of the San Francisco Section, American Society of Civil Engineers.

## ARTICLE VI.

### BY-LAWS

SECTION 1. The Junior Forum shall adopt By-Laws which, together with this Constitution, shall govern its operations.

## BY-LAWS

### ARTICLE I.

#### NOMINATION AND ELECTION OF OFFICERS

SECTION 1. The President, at the fifth regular meeting of the year, shall appoint a nominating committee of three members who shall select at least one candidate for each office.

SECTION 2. The names of the candidates for office shall be presented to the membership at the last regular meeting of the year; additional nominations may be made from the floor.

SECTION 3. Election of the officers shall be by secret (written) ballot at the last regular meeting of the calendar year. The candidate receiving the greatest number of votes for each office shall be elected. In the event of a tie, the Executive Committee shall then and there and by secret ballot elect one of the candidates participating in the tie.

SECTION 4. New officers shall assume their duties immediately following the meeting at which they are elected.

SECTION 5. The officers shall be elected for a term of one year. No officer shall be eligible for re-election to the same office.

### ARTICLE II.

#### DUTIES OF OFFICERS

SECTION 1. The President shall be the executive officer of the Junior Forum. It shall be his duty to preside at all meetings of the Executive Committee, at the first and last regular meetings of the year, at all special meetings, and, after calling the other regular meetings to order, to turn the conduct of the meeting over to the member designated in these By-Laws. He shall appoint all standing and other committees and name their chairmen, all with the approval of the Executive Committee. He shall be ex-officio member of all committees; he shall perform such other duties as normally devolve upon the office of President.

SECTION 2. The duty of the First Vice-President shall be to perform the duties of the President in the absence of the latter. He shall also preside at the second regular meeting of the year.

SECTION 3. The Second Vice-President shall preside at the third regular meeting of the year. He shall also preside at meetings in the absence of both the President and the First Vice-President.



SECTION 4. The duty of the Secretary shall be to make up the minutes of the meetings, including attendance summary, committee reports, appointments, all business, and other items of note. He shall keep the records of the Junior Forum. He shall submit an annual report of the activities of the Junior Forum during his term to the Secretary of the San Francisco Section and to the Committee on Juniors of said Section. He shall carry on the correspondence of the Junior Forum. He shall further perform such other duties as normally devolve upon the office of Secretary.

SECTION 5. The duty of the Treasurer shall be to take charge of all funds of the Junior Forum. He shall pay such bills, not paid by the San Francisco Section, as are approved by the Executive Committee. He shall collect the special assessments for dinner meetings and other meetings, if any. He shall submit a report of expenditures of money furnished by the San Francisco Section to that Section at the end of the year. He shall submit a report to the Executive Committee at the last regular meeting of all money matters during his term of office. He shall further perform such other duties as normally devolve upon the office of Treasurer.

SECTION 6. It shall be the duty of the Executive Committee to perform all administrative functions of the Junior Forum not otherwise delegated herein. Officers and Executive Committee members rising to Associate Member grade in the American Society of Civil Engineers shall retain their offices and voting powers for the duration of their term.

### ARTICLE III.

#### COMMITTEES

SECTION 1. There shall be three standing committees, namely, Program Committee, Membership Committee, and Professional License Committee. Such other committees as may be deemed necessary shall be appointed by the President as the occasion warrants. No committee chairman may succeed himself.

SECTION 2. The Program Committee shall prepare the programs for the year, providing a balanced variety of topics in accordance with the fields of specialization of the members. Insofar as possible, the Program Committee Chairman shall announce at each meeting the topic for the following meeting.

The Program Committee Chairman shall preside at the fourth regular meeting.

SECTION 3. The Membership Committee shall be responsible for greeting new members, for recording the names of the members and guests present at meetings, for keeping a current list of all active members and the meetings attended by each, and shall endeavor to interest non-active members in the activities of the Junior Forum. The Membership Committee Chairman shall preside at the fifth regular meeting.

SECTION 4. The Professional License Committee shall be responsible for preparing syllabi of those license examinations which may be of interest to the membership, for holding seminars for such examinations, and shall make such charges for the syllabi as are deemed proper by the Executive Committee.

SECTION 5. A committee quorum shall consist of a majority of its members. A majority vote of those present shall be sufficient to take committee action.

## ARTICLE IV.

### MEETINGS

SECTION 1. Regular meetings shall be held on the third or fourth Tuesday of the months specified in the Constitution. The Executive Committee shall have the power of changing the meeting to another time, provided due notice is given the membership.

SECTION 2. Special meetings for limited purposes may be held at times and places designated by the Executive Committee.

SECTION 3. Insofar as is deemed practical by the Executive Committee, the technical portion of the meetings should be presented by members of the Junior Forum. However, if the Executive Committee decides the Forum's constitutional aims are better served by obtaining speakers other than Junior Forum members, the Program Committee shall have the authority to invite such speakers to address the Forum.

SECTION 4. A quorum shall consist of at least twenty members for the transaction of any business, excepting amend-



ing the Constitution. For votes on constitutional amendments, a quorum shall consist of at least forty members.

SECTION 5. A majority vote of the members present at any meeting of the Junior Forum shall be sufficient to take any action excepting amending the Constitution or By-Laws.

SECTION 6. Robert's Rules of Order shall govern the procedure of all meetings of the Junior Forum, the Executive Committee, and all other committees unless otherwise stated in the Constitution or By-Laws.

## ARTICLE V.

### DUES

SECTION 1. The only dues shall be those paid to the San Francisco Section for membership in that organization.

SECTION 2. Special assessments may be levied upon attending members for such items as the costs of dinners, and inspection trips. Such charges must be stipulated by the Executive Committee in the announcement for the meeting.

## ARTICLE VI.

### AMENDMENTS

SECTION 1. Amendments to By-Laws may be proposed (a) by the Executive Committee or (b) by a petition in writing, signed by at least fifteen Junior Forum members and addressed to the Executive Committee. Full discussion shall be given the proposed amendment prior to voting. Voting may be at the same meeting at which the proposed amendment is presented to the membership.

SECTION 2. These By-Laws may be amended only by an affirmative vote of at least two-thirds of all members present at a regular meeting.

SECTION 3. Amendments to the By-Laws shall not be effective until approved by the Board of Directors of the San Francisco Section.

## JUNIOR FORUM OFFICERS

1954

President.....James E. McCarty  
First Vice President.....Daniel Shapiro  
Second Vice President.....William B. Wilcox  
Secretary.....H. Robert Hammill  
Treasurer.....James D. Coolidge

1953

President.....Valentine F. Padovan  
First Vice President.....James E. McCarty  
Second Vice President.....James D. Coolidge  
Secretary.....William B. Wilcox  
Treasurer.....Raymond Lundgren











