

ANNUAL REPORTS
REPORT OF THE BOARD OF GOVERNMENT
FOR YEAR 1964-1965

Boston, Mass., March 18, 1965

To the Boston Society of Civil Engineers:

Pursuant to the requirements of the By-Laws the Board of Government presents its report for the year ending March 18, 1965.

The following is a statement of the status of membership in the Society:

Honorary	11
Members	1032
Associates	5
Juniors	43
Students	8
Total	<u>1099</u>
Student Chapters	2

Summary of Additions

New Members	19
New Juniors	12
New Students	5

Reinstatements

Members	2
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Summary of Transfers

Junior to Member	3
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Summary of Loss of Members

Deaths	12
Resignations	7
Dropped for non-payment of dues	14
Dropped for failure to transfer	5

Life Members	107
Members becoming eligible today for Life Membership	11
Applications pending on March 18, 1965	4

Honorary Membership is as follows:

Arthur Casagrande, elected February 1, 1965
 Harry P. Burden, elected February 1, 1965

Thomas R. Camp, elected February 3, 1964
 E. Sherman Chase, elected February 3, 1964
 Gordon M. Fair, elected February 3, 1964
 Frank M. Gunby, elected February 15, 1950
 Ralph W. Horne, elected February 1, 1965
 Karl R. Kennison, elected February 7, 1951
 Frank A. Marston, elected February 15, 1960
 Howard M. Turner, elected February 18, 1952
 Frederic N. Weaver, elected February 1, 1965

The following members have been lost through death:

James F. Brittain, April 11, 1964
 Burtis S. Brown, May, 1964
 David M. Brown, Jan. 26, 1965
 Porter W. Dorr, Dec. 18, 1964
 Clyde M. Durgin, Jan., 1964
 Arthur L. Ford, 1964
 Emil A. Gramstorff, Sept. 1, 1964
 J. Henry Leon, May 2, 1964
 Edwin A. Taylor, 1963
 Laurence E. Weeks, July 11, 1964
 Francis S. Wells, Dec. 10, 1964
 Thomas H. Wiggan, Jan. 17, 1964

Meetings of the Society

March 16, 1964. Address of the retiring President John F. Flaherty. "The Civil Engineer in Municipal Service."

April 15, 1964. Joint Meeting with Massachusetts Section, American Society of Civil Engineers. Charles L. Miller. "Civil Engineering at M.I.T."

May 13, 1964. Joint Meeting with Structural Section. William J. LeMessurier. "Structural Design of Tall Buildings."

October 21, 1964. Joint Meeting with Massachusetts Section, American Society of Civil Engineers (Student Night). Robert C. Copeland, Meteorologist at WBZ-TV. "Latest Innovation in Weather Observations."

November 18, 1964. Joint Meeting with Structural Section. Robert E. White, Vice-President, Spencer, White and Prentis. "Slurry Trench Walls."

December 16, 1964. Frank L. Heaney, Associate, Camp, Dresser & McKee. "Registration and Professionalism."

January 27, 1965. Joint Meeting with Society of Professional Engineers, Metropolitan Chapter, and Massachusetts Section, American Society of Civil Engineers. Floyd E. Dominy, Comm. Bureau of Reclamation, Department of the Interior. "Glen Canyon."

February 17, 1965. Joint Meeting with Transportation Section. Oscar Bakke, Director, Eastern Region, Federal Aviation Authority. "Coordinated Transportation."

Attendance at Meetings

<i>Date</i>	<i>Place</i>	<i>Meeting</i>	<i>Dinner</i>
March 16, 1964	M.I.T. Faculty Club	191	191
April 15, 1964	M.I.T. Faculty Club	56	56
May 13, 1964	Society Rooms	85	
October 21, 1964	Tufts University	152	152
November 18, 1964	Smith House	79	49
December 16, 1964	Society Rooms	33	
January 27, 1965	Arthur D. Little Co.	250	190
February 17, 1965	Society Rooms	39	

Section Meetings

Twenty meetings were held by the Sections of the Society during the year. These meetings of the Sections, offering opportunity for more detailed discussions, continue to demonstrate their value to their members and to the Society. A wide variety of subjects were presented. The Annual Reports of the various Sections will be presented at the Annual Meeting and will be published in the Journal.

*Funds of the Society**

Permanent Fund. The Permanent Fund of the Society has a present value of \$76,112.32. The Board of Government authorized the use of as much as necessary of the current income of this fund in payment of current expenses. By vote of the Society (as prescribed by the By-Laws) at the December 16, 1964, and January 27, 1965, meetings, the Board of Government was authorized to transfer an amount not to exceed \$6,000 from the Principal of the Permanent Fund for current expenditures. The amount necessary to transfer from the Principal of the Permanent Fund for current expenditures was \$3,973.25.

John R. Freeman Fund. In 1925 the late John R. Freeman, a Past President and Honorary Member of the Society, made a gift to the Society of securities which was established as the John R. Freeman Fund. The income from this fund is to be particularly devoted to the encouragement of young engineers. Mr. Freeman suggested several uses, such as the payment of expenses for experiments and compilations to be reported before the Society; for underwriting meritorious books or publications pertaining to hydraulic science or art; or a portion to be devoted to a yearly prize for the most useful paper relating to hydraulics contributed to this Society; or establishing a traveling scholarship every third year open to members of the Society for visiting engineering works, a report of which would be presented to the Society.

Edmund K. Turner Fund. In 1916 the Society received a bequest of \$1,000 from Edmund K. Turner, a former member of the Society, "the income of which is to be used for Library Purposes." The Board voted to use \$75 of the income of this fund for the purchase of books for the Library. The expenditure from this fund during the year was \$75.00.

* Details regarding the values and income of these funds are given in the Treasurer's Report.

Alexis H. French Fund. The Alexis H. French Fund, a bequest of \$1,000, was received in 1931 from the late Alexis H. French of Brookline, a former Past President of the Society. The income of this fund is "to be devoted to the Library of the Society." The Board voted to use \$75 of the income of this fund for the purchase of books for the Library. The expenditure from this fund during the year was \$77.32.

Tinkham Memorial Fund. The "Samuel E. Tinkham Fund," established in 1921 at Massachusetts Institute of Technology by the Society, "to assist some worthy student of high standing to continue his studies in Civil Engineering," had a value of \$2,922.70 on June 30, 1964. James Joel Bauman, a student in Civil Engineering, class of 1965, was awarded this Scholarship of \$100 for year 1964-65.

Desmond FitzGerald Fund. The Desmond FitzGerald Fund, established in 1910 on a bequest from the late Desmond FitzGerald, a Past President and Honorary Member of the Society, provided that the income from this fund shall "be used for charitable and educational purposes." The Board voted April 18, 1963, "to appropriate from the income of this fund the sum of \$100, to be known as the Boston Society of Civil Engineers Scholarship in Memory of Desmond FitzGerald, and be given to a Civil Engineering Student at Northeastern University. It was voted on February 17, 1964 "to adopt the recommendation of the Committee at Northeastern University, namely, that a \$100 Scholarship be given to Nils-Frederik Braathen. Presentation was made at the Annual Meeting of the Society, March 16, 1964.

Clemens Herschel Fund. This fund was established in 1931, by a bequest of \$1,000 from the late Clemens Herschel, a former Past President and Honorary Member of the Society. The income from this fund is "to be used for presentation of prizes for papers which have been particularly useful and commendable and worthy of grateful acknowledgment." The Board of Government voted on April 13, 1964, "that payment of prize Awards be appropriated from the income of this fund." The expenditure made during the year from this fund was \$170.65.

Edward W. Howe Fund. This fund, a bequest of \$1,000, was received December 2, 1933, from the late Edward W. Howe, a former Past President of the Society. No restrictions were placed upon the use of this money, but the recommendations of the Board of Government were "that the fund be kept intact, and that the income be used "for the benefit of the Society or its members." No expenditures were made from this fund during the year.

William P. Morse Fund. This fund, a bequest of \$2,000, was received in 1949, from the late William P. Morse, a former member of the Society. No restrictions were placed on the use of this money, but the recommendations of the Board of Government were "that this fund be kept intact and that the income be used for the benefit of the Society or its members." Upon recommendation of the Committee appointed by the President, the Board voted on April 5, 1954, "to appropriate from the income of this fund the sum of \$100, to be known as the Boston Society of Civil Engineers Scholarship in Memory of William P. Morse, and be given to a Civil Engineering Student at Tufts University." It was voted on February 17, 1964 "to adopt the recommendation of the committee at Tufts, namely, that a \$100

Scholarship be given to Linfield C. Brown. Presentation was made at the Annual Meeting of the Society, March 16, 1964.

Frank B. Walker Fund. This fund, a bequest of \$1,000 was received in 1961, from Mary H. Walker, wife of Frank B. Walker, a former Past President of the Society. No restrictions were placed on the use of this money, but the recommendations of the Board of Government were "that this fund be kept intact and that the income be used for the benefit of the Society or its members." No expenditure was made from this fund during the year.

Ralph W. Horne Fund. This fund, a bequest of \$3,000, was received June 29, 1964, from the Directors of Fay, Spofford & Thorndike, Inc., the income from which shall be devoted to a prize or certificate to be awarded annually to a member designated by the Board of Government as having been outstanding in unpaid public service in Municipal, State, or Federal elective or appointive posts; or in philanthropic activity in the public interest. Members of BSCE only are eligible for the award. The Board of Government voted January 27, 1965 "to approve recommendation of the Ralph W. Horne Fund Award Committee, namely, that Charles O. Baird, Jr., be the first recipient to receive the Ralph W. Horne Fund Award." Presentation was made at the Annual Meeting of the Society, March 18, 1965.

Prizes

<i>Award</i>	<i>Recipient</i>	<i>Paper</i>
Desmond FitzGerald Medal	Keistutis P. Devenis	"Proposed Dam, Navigation Locks, and Flood Control Pumping Station for the Mystic River Basin"
Clemens Herschel Award	Harry M. Horn	"The Analysis and Design of Antenna Tower Foundations"
Sanitary Section Award	Paul W. Prendiville	"Merrimack River Pollution Abatement Study"
Hydraulics Section Award	Ronald T. McLaughlin Lawrence C. Neale	"Prototype Simulation" "Flow Measurement"
Letter of Commendation	Karl R. Kennison	"The Wanderings of the Center of Gravity"

Library

The report of the Library Committee contains a complete account of the Library Committee activities during the past year.

Committees

The usual special committees dealing with the activities and conduct of the Society were appointed. The membership of these committees is published in the Journal and the reports of the Committees will be presented at the Annual Meeting.

Your Board, in conclusion, wishes to express its appreciation of the excellent work done by the Officers of the Sections and by the Committees of the Society.

WILLIAM A. HENDERSON, *President*

REPORT OF THE SECRETARY

Boston, Mass., March 18, 1965

To the Boston Society of Civil Engineers:

The following is a statement of cash received by the Secretary and of the expenditures approved by the President in accordance with the Budget adopted by the Board of Government.

FOR THE YEAR ENDING MARCH 18, 1965

	Expenditures	Receipts
<i>Office</i>		
Secretary's Salary & Expense	\$ 900.00	
Treasurer's Honorarium	500.00	
Stationery, Printing & Postage	667.16	
Incidentals and Petty Cash	120.22	
Insurance & Treasurer's Bond	501.74	
Quarters, Rent, Tel. & Light	5,356.51	
Office Secretary	5,992.11	
Social Security	252.00	
<i>Meetings</i>		
Rent of Halls, etc.	—	
Stationery, Printing & Postage	34.00	
Hospitality Committee	639.72	\$ 545.71
Reporting & Projection	16.40	
Annual Meeting, March 1964	1,043.70	710.00
Special Fund for Speakers	50.00	
<i>Sections</i>		
Sanitary Section	27.50	
Structural Section	40.19	
Transportation Section	32.50	
Hydraulics Section	57.19	
Construction Section	9.00	
Forward	\$16,239.94	\$1,255.71

REPORT OF THE SECRETARY (Continued)

	Expenditures	Receipts
Brought Forward	\$16,239.94	\$1,255.71
<i>Journal</i>		
Editor's Salary & Expense	750.00	
Printing & Postage	6,968.83	
Advertisements		1,597.98
Sale of Journals		2,607.84
Reprints	434.05	343.16
Copyright	16.00	
<i>Library</i>		
Periodicals	94.30	
Binding	64.30	
<i>Miscellaneous</i>		
Binding Journals for Members	8.50	8.50
Badges		5.00
Bank Charges	7.45	
Miscellaneous	150.26	157.97
Engineering Societies Dues and Charge for Journal Space	1,186.25	
Public Relations Committee	53.00	
Dues from B.S.C.E. Members		11,864.50
Trans. Income Perm. Fund		4,158.97
Trans. Prin.		3,973.25
	<u>\$25,972.88</u>	<u>\$25,972.88</u>

Entrance Fees to Permanent Fund \$280.00

19 New Members; 12 New Junior Members; 3 Juniors transferred to Member; 5 New Student Members.

The above receipts have been paid to the Treasurer whose receipt the Secretary holds. The Secretary holds cash amounting to \$30 included as payment under item 26 (Petty Cash) to be used as a fixed fund or cash on hand. \$273.15 withholding Tax and \$97.00 Social Security which is payable to Collector of Internal Revenue and State of Massachusetts in April, 1965, is not included in the above tabulation.

CHARLES O. BAIRD, JR., *Secretary*

REPORT OF THE TREASURER

Boston, Mass., March 18, 1965

To the Boston Society of Civil Engineers:

This report covers the period beginning March 1, 1964 to the close of business March 1, 1965.

The Boston Safe Deposit and Trust Company holds the Society investment securities and serves as custodian and advisor. All security transactions are made by the custodian upon a vote of approval of the Board of Government. In accordance with the terms of the agreement, the custodian furnished the Treasurer of the Boston Society of Civil Engineers with a certified audit of the account. This audit, the receipts from the Secretary, the bills paid by the Treasurer, and the Savings Bank Passbook have all been reviewed by the Auditors of the Society and the information checked in this report.

The financial standing of the Society as of March 1, 1965 is summarized in seven of the tables accompanying this report. These tables are as follows:

Table I	Distribution of Funds
Table II	Distribution of Funds—Receipts and Expenditures
Table III	Record of Investments—Bonds
Table IV	Record of Investments—Stocks
Table V	Record of Investments—Savings Bank
Table VI	Comparison of Book and Market Values of Stocks, Bonds, Savings Bank, and Investment Cash
Table VII	Comparison of Book and Market Values of Funds

The custodian reviews our portfolio twice a year. There is a conservative policy and in recent years the recommendations have resulted in a reduction of our holdings in certain stocks with a subsequent reinvestment in more stable stocks or more generally in bonds.

Three additional tables have been prepared to show the comparison of the Book Values, Market Values and earnings from the Society assets during the last five years. These tables are as follows:

Table VIII	Comparison of Book Values During Last Five Years
Table IX	Comparison of Market Values During Last Five Years
Table X	Comparison of Earnings from Invested Funds During Last Five Years

Approximately one half of the income is applied to the Permanent Fund and can, therefore, be transferred to the Current Fund to meet current expenses.

Mr. Karl R. Kennison reported in a letter to the Treasurer on the status of the irrevocable trust fund established by him for the Society. Two trusts are involved both holding shares of Massachusetts Life Fund. The following summarizes his report:

	January 1, 1964	Increase	January 1, 1965
Trust #4305	178.32	178.330	356.650
Trust #4444	183.74	190.968	374.708
Totals	362.06	369.298	731.358 Shares

On January 1, 1965, the bid price was \$12.31 per share making the total value of the two funds \$9,003.02.

The following is a record of the security changes accomplished by the custodian during the fiscal year:

Monsanto Chemical Co. (Monsanto Co.)
 Bought 100 shares
 Received in stock dividend 2 shares

Union Carbide Corp.
 Sold 100 shares

U.S.A. Treasury Bonds
 Bought \$5,000 par value

American Telephone and Telegraph Co.
 Bought 3 shares using 60 rights
 Sold 97 rights
 Received in stock split 160 shares

U.S.A. Treasury Notes Ser. A
 Delivered for exchange \$2,000 par value

U.S.A. Treasury Bonds
 Received in exchange \$2,000 par value

Pacific Gas and Electric Co.
 Sold 315 rights

Consolidated Edison Co. of New York, Inc.
 Sold 50 shares

Standard Oil of New Jersey
 Sold 25 shares

Texaco Inc.
 Sold 25 shares
 Received in stock dividend 11 5/20 shares
 Sold 5/20 shares

Jewel Tea Co., Inc.
 Bought 63 shares

Marine Midland Corporation Deb. Bonds
 Bought \$5,000 par value

Radio Corporation of America Cum 1st Preferred
 Sold 20 shares

New England Electric System
 Bought 10 shares using 200 rights

Receipts from the Secretary including membership dues, advertisements in the Journal, sale of Journals and similar items amounted to \$17,840.66. The sum of \$280.00 in Entrance Fees was received and credited to the Permanent Fund. The sale of notes from the series of lectures sponsored by the Hydraulics Section amounted to \$258.50 and was credited to the John R. Freeman Fund.

The following tabulates the receipts and credits from the sale of other Society publications:

Sanitary Lectures	\$ 15.75
Soil Mechanics	775.07
Boring Data	60.00

In June 1964, the Secretary received and delivered to the Treasurer a check in the amount of \$3000.00 from the firm of Fay, Spofford and Thorndike, Inc. The letter accompanying the check stated in part "the Directors of Fay, Spofford and Thorndike, Inc., herewith present to the Society a check in the amount of \$3000.00 to create a fund to be called the Ralph W. Horne Fund, the income from which shall be devoted in part to a prize or certificate to be awarded annually to a member selected by the Board of Government, or a committee thereof, for notable public service in unpaid positions, either elective or appointive." This fund and its value as of March 1, 1965 is shown in Tables II and VII.

Expenditures from the Current Fund are tabulated in detail in the report of the Secretary and the membership is referred to this report for further information. Some expenditures are made from out of the Funds and are not listed in the report of the Secretary. The details of these expenditures follows:

John R. Freeman Fund

In the spring of 1963 the Freeman Fund Committee awarded a graduate school scholarship to Edward R. Holley Jr. of Arlington, Massachusetts.

Expenditures during 1963 Fiscal Year	\$3,775.00
Scholarship during 1964 Fiscal Year	4,000.00
Total Expenditure	<u>\$7,775.00</u>

Structural Lectures Fund

In the spring of 1964 the Structural and Construction Sections sponsored a series of nine lectures on Prestressed Concrete Design. Expenditures for this fiscal year for this series of lectures amounted to \$1,141.97. Major contributions to the support of the series were made by the Portland Cement Association and Prestressed Producers of New England.

Desmond FitzGerald Fund

A scholarship prize of \$100 from the Desmond FitzGerald Fund was presented to Nils-Frederik Braathen of Northeastern University at the Annual Meeting in March, 1964.

William P. Morse Fund

A scholarship prize of \$100 from the William P. Morse Fund was presented to Linfield C. Brown of Tufts University at the Annual Meeting in March, 1964.

Edmund K. Turner Fund

The sum of \$75.00 was expended during the fiscal year from the income to the Edmund K. Turner Fund for the purchase of books for the Library.

Alexis H. French Fund

The sum of \$77.32 was expended during the fiscal year from the income to the Alexis H. French Fund for the purchase of books for the Library.

Clemens Herschel Fund

The sum of \$170.65 was expended during the fiscal year from the income to the Clemens Herschel Fund for books awarded for the Herschel Prize Award and Section Prize Awards during the previous fiscal year.

Journal of the Boston Society of Civil Engineers

Expenditures necessary to publish the Journal are made from the Current Fund.

Printing, Postage, and Copyright	\$6,984.83
Receipts from Advertisements	1,597.98
Net Expenditures	<u>\$5,386.85</u>

Permanent Fund

The income to the Permanent Fund from interest and dividends less the expenses charged to the Fund was \$4,158.97. In order to meet the expenses for the fiscal year, it became necessary to transfer \$8,132.22 from the Permanent Fund to the Current Fund. Of this amount, \$4,158.97 was transferred from income to the Fund and \$3,973.25 was transferred from the principal of the Permanent Fund.

Withholding Tax and Social Security

Of the cash on hand as indicated in the accompanying tables, \$370.15 is held in escrow for Federal Withholding Tax, Massachusetts Income Tax, and Social Security payments.

PAUL A. DUNKERLEY, *Treasurer*

TABLE I
DISTRIBUTION OF FUNDS

	Interest and Dividends		Net Profit or Loss at Sale or Maturity		Transfer of Funds		Book Value Mar. 1, 1965 8
	Cash 2	Credit 3	+	-	Purchased	Sold	
Book Value Mar. 2, 1964 1			+	-	+	-	
Bonds	62,293.77	2,710.00	4	5	6	7	72,199.09
Savings Bank	5,015.44				11,928.13	2,022.81	5,231.44
Stocks	58,293.09	216.00	14,939.68		11,277.42	7,757.14	61,813.37
Available for Investment	4,638.38					866.17	3,772.21
	130,240.68	8,054.67	14,939.68	-22.81	23,205.55	10,646.12	143,016.11
	Columns 1 + 3 + 6 - 7 = 8						

TABLE II
DISTRIBUTION OF FUNDS—RECEIPTS AND EXPENDITURES
March 1, 1964 to March 1, 1965

Funds	Book Value Mar. 1, 1964	Allocation of Income- Profit and Loss			Received	Expended	Book Value Mar. 1, 1965
		Income Col. 2 & 3	Net Profit Col. 4 & 5				
Permanent	71,499.40	4,646.31	+8,306.17	280.00	8,619.56	76,112.32	
John R. Freeman	41,283.47	2,518.66	4,623.98	238.50	4,341.66	44,342.95	
Edmund K. Turner	1,628.56	105.69	189.09		86.09	1,837.25	
Desmond FitzGerald	3,148.11	199.45	361.16		120.81	3,587.91	
Alexis H. French	1,613.47	104.05	186.48		88.25	1,815.75	
Clemens Herschel	1,337.57	78.48	147.86		178.70	1,385.21	
Edward W. Howe	1,708.94	110.91	198.42		11.63	2,006.64	
William P. Morse	3,279.03	207.94	376.37		121.70	3,741.64	
Frank B. Walker	1,413.60	91.73	164.13		9.63	1,659.83	
Ralph W. Horne	0.00	103.63	129.70	3,000.00	9.55	3,223.78	
Surveying Lectures	537.61	34.62	62.07		11.64	622.66	
Transportation Lectures	336.40	21.84	39.06		2.29	395.01	
Structural Lectures	1,569.64	47.36	132.38		1,147.59	601.79	
Boring Data	210.50			60.00	0.00	270.50	
Soil Mechanics	2,826.00			775.07	52.33	3,548.74	
Sanitary Lectures	-2,151.62			15.75	0.00	-2,135.87	
Subtotal	130,240.68	8,270.67	14,916.87	4,389.32	14,801.43	143,016.11	
Current	1,500.00	4,158.97		21,813.91	25,972.88	1,500.00	
Totals	131,740.68	12,429.64	14,916.87	26,203.23	40,774.31	144,516.11	

Secretary's change fund of \$30.00 should be added to show total cash

Cash Balance—Investment Fund \$3,772.21

Current Fund 1,500.00

Total Cash \$5,272.21

\$8,132.22 Transferred from Permanent Fund to Current Fund

\$4,158.97 Transferred from Income to Permanent Fund

\$3,973.25 Transferred from Principal of Permanent Fund

TABLE III
RECORD OF INVESTMENTS—BONDS
March 1, 1964 to March 1, 1965

Bonds	Date of Maturity	Interest Rate	Interest Received	Par Value	Book Value	Market Value
					Mar. 1, 1965	Mar. 1, 1965
Aluminum Company of America	Apr. 1, 1983	3 $\frac{7}{8}$ %	\$ 193.75	\$ 5,000.00	\$ 5,037.50	\$ 4,700.00
Associates Investment Co. Deb.	Aug. 1, 1979	5 $\frac{1}{8}$ %	307.50	6,000.00	6,000.00	6,191.28
Columbia Gas System, Inc. Deb. Series D	July 1, 1979	3 $\frac{1}{2}$ %	70.00	2,000.00	2,066.17	1,810.00
Consumers Power Co., 1st Mortgage	Sept. 1, 1975	2 $\frac{7}{8}$ %	86.25	3,000.00	3,140.35	2,595.00
Flintkote Co.	Apr. 1, 1981	4 $\frac{5}{8}$ %	462.50	10,000.00	10,450.00	10,100.00
Florida Power Co., 1st Mortgage	July 1, 1984	3 $\frac{1}{8}$ %	31.25	1,000.00	1,017.50	836.25
Florida Power Co., 1st Mortgage	July 1, 1986	3 $\frac{7}{8}$ %	193.75	5,000.00	5,037.59	4,637.50
General Motors Acceptance Corp.	Sept. 1, 1975	3 $\frac{7}{8}$ %	181.25	5,000.00	5,101.80	4,656.25
Georgia Power Co., 1st Mortgage	Dec. 1, 1977	3 $\frac{3}{8}$ %	168.75	5,000.00	5,162.50	4,481.25
Marine Midland Corp. Deb.	Aug. 15, 1989	4 $\frac{1}{2}$ %	112.50	5,000.00	5,000.00	5,012.50
Province of Ontario	Sept. 1, 1972	3 $\frac{1}{4}$ %	97.50	3,000.00	2,936.25	2,745.00
Public Service Electric and Gas Co.	June 1, 1979	2 $\frac{7}{8}$ %	115.00	4,000.00	4,097.50	3,300.00
So. Pacific 1st Series A Oregon Lines	Mar. 1, 1977	4 $\frac{1}{2}$ %	180.00	4,000.00	4,191.30	4,010.00
Superior Oil Co., Deb.	July 1, 1981	3 $\frac{3}{4}$ %	150.00	4,000.00	4,000.00	3,720.00
Tidewater Oil Co., Deb.	Apr. 1, 1986	3 $\frac{1}{2}$ %	70.00	2,000.00	2,032.50	1,745.00
U.S.A. Treasury Notes, Series A	May 15, 1964	4 $\frac{3}{4}$ %	47.50	2,000.00	0.00	0.00
U.S.A. Treasury Bonds	Aug. 15, 1973	4%	200.00	5,000.00	4,928.13	4,926.55
U.S.A. Treasury Bonds	May 15, 1974	4 $\frac{1}{4}$ %	42.50	2,000.00	2,000.00	2,011.26
Totals			\$2,710.00	\$73,000.00	\$72,199.09	\$67,477.84

TABLE IV
RECORD OF INVESTMENTS—STOCKS
March 1, 1964 to March 1, 1965

Stocks	Classifica- tion	Number of shares	Dividend Received	Book Value Mar. 1, 1965	Market Value Mar. 1, 1965
American Telephone & Telegraph Co.	Common	320	\$ 637.00	\$ 5,767.52	\$ 21,480.00
Commercial Credit Co.	Common	240	432.00	9,963.21	9,270.00
Consolidated Edison of New York, Inc.	Common	0	123.75	0.00	0.00
General Electric Co.	Common	150	330.00	2,341.47	14,775.00
General Motors Corp.	Common	126	560.70	5,576.32	12,600.00
Hartford Fire Insurance Co.	Common	107	149.80	1,534.39	7,958.13
Jewel Tea Co.	Common	125	124.40	4,998.38	7,312.50
Monsanto Co.	Common	102	95.00	7,183.64	9,027.00
National Dairy Products Corp.	Common	100	240.00	1,154.74	8,975.00
New England Electric System	Common	208	231.66	3,332.89	6,058.00
Pacific Gas and Electric Co.	Common	315	346.52	3,573.37	11,103.75
Scott Paper Co.	Common	263	236.72	5,944.04	9,599.50
Southern California Edison Co.	Common	177	199.12	1,932.99	6,991.50
Standard Oil of New Jersey	Common	200	653.75	2,012.76	16,225.00
Texaco, Inc.	Common	236	558.75	1,515.72	18,319.50
Union Carbide Corp.	Common	0	0.00	0.00	0.00
Pacific Gas and Electric Co.	Preferred	100	150.00	2,704.89	3,300.00
Radio Corporation of America	Preferred	0	70.00	0.00	0.00
Southern California Edison Co., Ltd.	Preferred	120	130.50	1,140.24	4,230.00
Southern Railway Co.	Preferred	75	75.00	1,136.80	1,518.75
Totals			\$5,344.67	\$61,813.37	\$168,743.63

TABLE V
RECORD OF INVESTMENTS—SAVINGS BANK

	Classification	Interest Received	Book Value Mar. 1, 1965	Market Value Mar. 1, 1965
Savings Bank				
First Federal Savings and Loan Assoc. of Boston, Acct. No. 1S-631	Savings Account	\$216.00	\$5,231.44	\$5,231.44

TABLE VI
COMPARISON OF BOOK VALUES AND MARKET VALUES OF STOCKS,
BONDS, SAVINGS BANK, AND INVESTMENT CASH

	Book Value March 1, 1965	Market Value March 1, 1965
Bonds	\$ 72,199.09	\$ 67,477.84
Stocks	61,813.37	168,743.63
Savings Bank	5,231.44	5,231.44
Available for Investment	3,772.21	3,772.21
Total March 1, 1965	\$143,016.11	\$245,225.12
Total March 2, 1964	130,240.68	233,573.59
Increase	\$ 12,775.43	\$ 11,651.53

TABLE VII
COMPARISON OF BOOK AND MARKET VALUES OF FUNDS

Funds	Book Value March 1, 1965	Market Value March 1, 1965
Permanent	\$ 76,112.32	\$131,155.23
John R. Freeman	44,342.95	76,410.88
Edmund K. Turner	1,837.25	3,165.91
Desmond FitzGerald	3,587.91	6,182.62
Alexis H. French	1,815.75	3,128.86
Clemens Herschel	1,385.21	2,386.97
Edward W. Howe	2,006.64	3,457.80
William P. Morse	3,741.64	6,447.52
Frank B. Walker	1,659.83	2,860.19
Ralph W. Horne	3,223.78	5,555.15
Surveying Lectures	622.66	1,072.96
Transportation Lectures	395.01	680.67
Structural Lectures	601.79	1,036.99
Boring Data*	270.50	270.50
Soil Mechanics*	3,548.74	3,548.74
Sanitary Lectures*	-2,135.87	-2,135.87
Subtotal	\$143,016.11	\$245,225.12
Current*	1,500.00	1,500.00
Total	\$144,516.11	\$246,725.12

* These funds are not interest-earning invested funds, but are cash, assets or publications representing a cash outlay.

TABLE VIII
COMPARISON OF BOOK VALUES DURING LAST FIVE YEARS

	1961	1962	1963	1964	1965
Bonds	\$ 51,942.25	\$ 50,818.46	\$ 62,293.77	\$ 62,293.77	\$ 72,199.09
Stocks	55,193.47	55,960.99	53,228.79	58,293.09	61,813.37
Savings Bank	4,442.74	4,616.55	4,808.92	5,015.44	5,231.44
Available for Investment	3,091.79	1,998.10	2,919.21	4,638.38	3,772.21
Totals	\$114,670.25	\$113,394.10	\$123,250.69	\$130,240.68	\$143,016.11

TABLE IX
COMPARISON OF MARKET VALUES DURING LAST FIVE YEARS

	1961	1962	1963	1964	1965
Bonds	\$ 47,112.52	\$ 45,747.51	\$ 58,323.13	\$ 57,442.50	\$ 67,477.84
Stocks	150,583.26	177,346.88	156,477.51	166,477.27	168,743.63
Savings Bank	4,442.74	4,616.55	4,808.92	5,015.44	5,231.44
Available for Investment	3,091.79	1,998.10	2,919.21	4,638.38	3,772.21
Totals	\$205,230.31	\$229,709.04	\$222,528.77	\$233,573.59	\$245,225.12

TABLE X
COMPARISON OF EARNINGS FROM INVESTED FUNDS DURING LAST FIVE YEARS

	1961	1962	1963	1964	1965
Interest from Bonds	\$1,922.50	\$1,907.50	\$1,892.50	\$2,402.50	\$2,710.00
Dividends from Stocks	5,028.66	5,259.55	5,515.00	5,505.58	5,344.67
Savings Bank Interest	151.51	173.81	192.37	206.52	216.00
Totals	\$7,102.67	\$7,340.86	\$7,599.87	\$8,114.60	\$8,270.67

REPORT OF THE AUDITING COMMITTEE

Boston, Mass., March 18, 1965

To the Boston Society of Civil Engineers:

We have reviewed the records and accounts of the Secretary and Treasurer of the Boston Society of Civil Engineers, and we have compared the bank statement of securities held by the Boston Safe Deposit and Trust Company with the enumeration submitted by the Treasurer.

We have found them to be in order and to account accurately for the Society's Funds.

RICHARD F. DUTTING
HARL P. ALDRICH, JR.

REPORT OF THE EDITOR

Boston, Mass., March 5, 1965

To the Boston Society of Civil Engineers:

The Journal was issued quarterly, for the months of April, July and October, 1964, and January, 1965, as authorized by the Board of Government on December 20, 1936.

During the year there have been published 16 papers, including 11 which were previously presented at meetings of the Society and Sections.

The four issues of the Journal contained about 410 pages of papers and proceedings, 11 pages of index and 40 pages of advertising, a total of about 461 pages.* An average of 1,650 copies per issue were printed.

The cost of printing the Journal was as follows:

Expenditures

Composition and printing	\$5,890.82
Cuts	731.43
Wrapping, mailing & postage	346.58
Editor	750.00
Copyright	16.00
Reprints	434.05
	<u>\$8,168.88</u>

Receipts

Receipts from Sale of Journals	\$2,607.84
Receipts from Sale of Reprints	343.16
Receipts from Advertising	1,597.98
	<u>\$4,548.98</u>
Net cost of Journal to be paid from Current Fund	\$3,619.90

ROBERT L. MESERVE, *Editor*

* These figures and those for costs following are estimated, since the January issue is still in production.

REPORT OF THE HOSPITALITY COMMITTEE

Boston, Mass., February 26, 1965

To the Boston Society of Civil Engineers:

The Hospitality Committee submits the following report for the year 1964-1965.

A total of eight meetings of the Society were held during the past year. Included in this total were the Annual Dinner, a Student Night meeting, a joint meeting with the Massachusetts Society of Professional Engineers and the American Society of Civil Engineers, and five regular meetings of the Society.

Catered dinners were served prior to five of the eight meetings.

The average attendance of members and guests for all eight meetings or dinners (using the larger attendance figure) was 111, as compared to last year's average of 85.

Attendance at regular meetings of the Society during the past year was 58 persons per meeting. This represents a 26% increase in attendance over last year.

SUMMARY OF MEETINGS

Date	Place	Attendance	
		Meeting	Dinner
March 16, 1964	M.I.T. Faculty Club	191	191
April 15, 1964	M.I.T. Faculty Club	56	56
May 13, 1964	Society Rooms	85	
October 21, 1964	Tufts University	152	152
November 18, 1964	Smith House, Cambridge, Mass.	79	49
December 16, 1964	Society Rooms	33	
January 27, 1965	Arthur D. Little Co.	250	190
February 17, 1965	Society Rooms	39	

ROBERT L. FULLER, *Chairman*

REPORT OF THE LIBRARY COMMITTEE

Boston, Mass., March 18, 1965

To the Boston Society of Civil Engineers:

The Library Committee held its first meeting December 17, 1964, at the Society headquarters. The meeting was devoted to obtaining new books and a general discussion on maintaining the excellent facilities which now exist at the headquarters. Additional business throughout the year was conducted by phone and correspondence.

The Committee recommends that the new Library Committee for 1965-66 devote some time to updating the reading material. It is felt many books could be taken from the active shelves and stored or discarded.

The following is a list of books purchased for the year. The books purchased have a list value of \$163.50 and were purchased for \$152.32.

Who's Who in Engineering
 Principles of Soil Mechanics, Scott
 Process of Creep and Fatigue in Metals, A. J. Kennedy
 City of New York Building Code for Reinforced and Plain Concrete Construction,
 Concrete Industry Board, Inc.
 Cities and Space: The Future Use of Urban Land, L. Wingo, Jr.
 Water Resources Engineering, Linsley and Franzini
 Water Supply Engineering, 6th Ed., H. E. Babbitt, Doland, Cleasby
 Engineering Economy, Grant
 Symposium on the Design of High Buildings, Sean Mackey
 The Buckling of Plates and Shells, H. L. Cox
 Handbook of Fluid Dynamics, 1st Ed., V. L. Stretter
 Earth and Earth Rock Dams, Sherard, Woodward, Gizienski, Clevenger

The Committee wishes to express its thanks on behalf of the BSCE for receiving the following books for the Library from author and companies mentioned:

Structural Dynamics, from John M. Biggs
 Dynamics of Structures, W. C. Hurley & M. F. Rubinstein, from Prentice Hall
 Oceanographical Engineering, R. Wiegel, from Prentice Hall
 Principles of Dynamics, D. T. Greenwood, from Prentice Hall
 Dictionary of Civil Engineering, R. Hammond, from Philosophical Lib. Inc.
 The Agadir, Morocco Earthquake; Anchorage and the Alaska Earthquake March 27,
 1964; the Skopje, Yugoslavia Earthquake, from Bethlehem Steel Company

GEORGE W. HANKINSON, *Chairman*

REPORT OF JOINT LEGISLATIVE COMMITTEE

Boston, Mass., March 18, 1965

To the Boston Society of Civil Engineers:

The following Legislative acts of interest to engineers were enacted during the 1964 session of the Massachusetts General Court:

Bill No.	Subject	Chapter No.
H979	An act providing that notice be given to the applicant of action taken relating to a subdivision plan.	105
S774	An act relative to Regional Planning procedures in the Commonwealth.	327
S74	An act extending the duration of the Board of Schoolhouse Construction Standards and increasing the membership thereof.	546
H3562	An act providing for the Commonwealth's participation in cooperative Federal-State navigation, beach erosion control and hurricane barrier projects.	543
H3646	An act establishing the Massachusetts Bay Transportation Authority and providing for the acquisition and maintenance of mass transportation facilities and services which shall be coordinated with highway systems and urban development plans throughout the Commonwealth.	563

A review of bills filed for the 1965 session shows the following items of interest:

Bill No.	Subject	Report
H3227	Petition of John J. Cusack for legislation to provide the Board of Registration of Professional Engineers and of Land Surveyors with an executive Secretary and increasing the renewal fee for certificates of registration.	Hearing Jan. 27. Favorable Committee Report. Changes by Ways and Means Committee to H3361
S383	Petition of James R. Hanlon and another for legislation relative to the acceptance or approval of plans and specifications for the construction, reconstruction, enlargement or alteration of buildings or structures.	Hearing Feb. 16. No report as of March 1.

Bill No.	Subject	Report
S590	Petition of Wallace P. Orpin for legislation relative to work to be performed by registered professional engineers. Would require only registered professional engineers or registered land surveyors to be in charge of engineering or surveying departments of public agencies.	Hearing Feb. 18. No report as of March 1.
H1359	Petition of Massachusetts Association of Land Surveyors and Civil Engineers, Inc., relates to the certification of copies of plans required to accompany the master plan and the first deed in condominium.	Signed by Governor Feb. 23 as Chapter 56.
H2135	Petition of the Massachusetts Association of Consulting Engineers, Inc., that provision be made for a two-year limitation for bringing actions of contract or tort for malpractice against architects and professional engineers.	No hearing scheduled as of March 1.
H2208	Petition of John G. Jarnis and another that provision be made for methods of payments on public consulting services performed by architects and engineers.	Hearing Feb. 19. No report as of March 1.

In addition, there are many other bills of interest to engineers, relating to competitive bidding, public contracts, performance bonds, subdivision control, and solid waste disposal, which are too numerous to list, but which your Committee will follow to protect the interest of Professional Engineers and Land Surveyors.

The Committee has met on several occasions with the ESNE Joint Committee on Legislative affairs and discussed possible revisions of the engineering registration laws.

EDWARD WRIGHT
 CHARLES A. PARTHUM
 RALPH M. SOULE, *Chairman*

REPORT OF THE JOHN R. FREEMAN FUND COMMITTEE

Boston, Mass., March 18, 1965

To the Boston Society of Civil Engineers:

The financial support of Mr. E. R. Holley, Graduate Student at M.I.T., was continued through this past year. A final report covering one phase of his work has been received and a second is expected shortly.

No fellowship has been offered in 1965.

The current year has been marked by the resignation of Howard M. Turner, Chairman of the Committee. Recognizing his long time of service in the guidance of this Committee, his resignation was accepted with the deepest regret. Mr. Clyde W. Hubbard and Mr. Lee M. G. Wohlman were selected as the new members of the Freeman Fund Committee. The continuing members are Mr. George R. Rich and Mr. Thomas R. Camp.

L. J. HOOPER, *Chairman*

REPORT OF COMMITTEE ON SUBSOILS OF BOSTON

Boston, Mass., March 11, 1965

To the Boston Society of Civil Engineers:

Last year's Subsoil Committee report referred to the current U.S. Geological Survey project which will publish maps and a description of the Boston subsoils. The project is in effect an extension of work done by the BSCE in publishing boring data and will be of great help to the local engineering community.

We find, however, that the local USGS Office is understaffed to complete the project within a reasonable length of time.

This committee is preparing a recommendation to our Board of Government that the BSCE write to the Director of the USGS expressing our great interest in and concern for this project, urging him to take necessary action to complete the work at an early date.

It is also suggested that we encourage other local engineering societies and municipal organizations to make known to the Director of the USGS their interest in this project and their desire to see it expedited.

DONALD G. BALL, *Chairman*

REPORT OF THE MEMBERSHIP CENTRAL COMMITTEE

Boston, Mass., March 18, 1965

To the Boston Society of Civil Engineers:

The Membership Central Committee has been relatively inactive during the year 1964-65. Solicitation of new members has been accomplished principally by individual contacts. The increase in membership during the current year has been as follows:

New Members	19
New Juniors	12
New Students	5
Reinstated	2
Juniors transferred to Members	3
Life Members	107

Members eligible today for Life	
Membership	11
Honorary Members	11
Total Membership as of March 1, 1965	1,099
This compares with a total	
membership a year ago of 1,091	

Summary of Loss of Members

Deaths	12
Resignations	7
Dropped for non-payment of dues	13
Dropped for failure to transfer	5

The continued growth of the Society is important, and every one of us is strongly urged to seek new candidates for membership through his association with other engineers. The Committee recommends that a strong appeal for new members be made at all meetings of the Society and its various sections.

F. M. CAHALY, *Chairman*

**REPORT OF THE COMMITTEE TO STUDY ASEE
"GOALS OF ENGINEERING EDUCATION"**

Boston, Mass., March 15, 1965

To the Boston Society of Civil Engineers:

The Committee to Study ASEE "Goals of Engineering Education" is one of the institutional and organizational study committees representing engineering colleges, professional societies, and the users of engineers that are participating in the "Goals" Project of the American Society for Engineering Education. Our committee, appointed in April 1964, by President Henderson, consists of:

Harry L. Kinsel, *Chairman*
Prof. John M. Biggs
Robert L. McGillicuddy
Joseph C. Lawler

Copies of the information documents published by ASEE concerning the project have been obtained for each member of the committee. Study of these documents has been undertaken on an individual basis by committee members, but to date the committee has not met for discussion, due to extended absences of two of its members.

Because this is a continuing project, on which the final report is scheduled to be rendered June 1, 1966, continuation of this committee is considered appropriate.

HARRY L. KINSEL, *Chairman*

REPORT OF COMMITTEE ON PUBLIC RELATIONS

Boston, Mass., March 18, 1965

To the Boston Society of Civil Engineers:

No formal meetings of the Committee on Public Relations were held during the year. An inquiry was received from the Committee on Public Relations of the American Society of Civil Engineers requesting the cooperation of this Committee in disseminating information concerning civil engineering. This Committee offered to work with the American Society of Civil Engineers in any joint project. However, no further contact has been had with the American Society of Civil Engineers' Committee.

Last year the Society received excellent publicity in the Boston Herald and in the Wakefield Daily Item and in the Boston Sunday Globe.

ROBERT H. CULVER, *Chairman*

REPORT OF THE EXECUTIVE COMMITTEE OF THE CONSTRUCTION SECTION

Boston, Mass., March 18, 1965

*To the Construction Section
Boston Society of Civil Engineers:*

The Construction Section held two meetings and co-sponsored one lecture series in 1964:

May 27, 1964—Mr. Sepp Firnkas, Consulting Engineer in Boston, described design and construction features for Children's Hospital Medical Center Parking Facilities. Attendance was 94.

January 6, 1965—Christopher J. Murray, Jr., superintendent for George A. Fuller Co. Inc., described the "Construction of the Behavioral Science Building at Harvard University." Attendance was 36.

The lecture series was co-sponsored with the Structural Section. Cooperative effort in formulating the program, arranging speakers and supporting the program with financial assistance was given also by Prestressed Concrete Association of New England, New England Concrete Pipe Corporation and the Portland Cement Association. A summary of cost, expenses and contributions was submitted to the Board of Government during 1964 by the Chairman of the Structural Section. Attendance at the nine lectures averaged one hundred forty-seven to make a total count of thirteen hundred and nineteen for the entire series.

The annual election of officers was held January 6. The following were elected by unanimous vote of those attending:

Chairman	Herman G. Protze
Vice Chairman	Robert J. Van Epps
Clerk	William Wiley

ROBERT J. VAN EPPS, *Clerk*

REPORT OF THE EXECUTIVE COMMITTEE OF THE HYDRAULICS SECTION

Boston, Mass., February 25, 1965

*To the Hydraulics Section
Boston Society of Civil Engineers:*

The following meetings were held during the past year:

May 6, 1964—Dr. Joseph Harrington, Associate in Environmental Health Engineering, Harvard University, spoke on "Application of Non-Linear Programming to Hydraulic and Sanitary Engineering Routing Problems." Attendance 20.

October 28, 1964—Chairman Devenis appointed the nominating committee of:

Richard F. Dutting, Chairman
Lawrence C. Neale
Donald F. Harleman

to present a slate of officers at the next meeting. The guest speaker was Dr. R. Stevens Kleinschmidt, Hydraulic Engineer, Great Northern Paper Company, who described and illustrated with slides the growth of the hydroelectric system required in the manufacture of paper. Attendance 30.

February 19, 1965—The following slate of officers for the coming year were approved by voice vote at the annual meeting:

Chairman Peter S. Eagleson
Vice-Chairman Nicholas Lally
Clerk Allan Grieve, Jr.
Executive Committee Athanasios A. Vulgaropoulos
Ronald T. McLaughlin
Stephen E. Dore, Jr.

The speaker of the evening, Mr. Lyle E. Branagan, Hydraulic Engineer, Chas. T. Main, Inc. spoke on "Vortex Investigations of a Submerged Intake at Cornwall Pumped Storage Plant." His remarks were confined primarily to the results of model testing conducted at the Alden Hydraulic Laboratory to determine a design that would prevent the drawdown of air into the submerged intake at the upper pool. Attendance 20.

NICHOLAS LALLY, *Clerk*

REPORT OF THE EXECUTIVE COMMITTEE OF THE SANITARY SECTION

Boston, Mass., March 15, 1965

To the Sanitary Section

Boston Society of Civil Engineers:

Four meetings of the Sanitary Section were held during the past year:

April 29, 1964—Annual outing held at the Deer Island Sewage Treatment Plant (under construction) of the Metropolitan District Commission. Guided tours were conducted from 3:30 to 5:30 P.M., followed by a full course roast beef dinner which was catered in the dining hall of the Suffolk County House of Correction.

Mr. Edgar L. Shepard, Master, SCHC, welcomed ninety members and guests and gave a short history of the Island and the Institution.

An illustrated progress report on the construction of the plant was presented by Mr. Martin F. Cosgrove, Deputy Chief Engineer, Construction Division, Metropolitan District Commission. There were 120 members and guests who toured the plant and ninety reservations for dinner.

December 2, 1964—Dr. Alexander Cohen, Research Psychologist, Dept. Health, Education and Welfare, Cincinnati, Ohio, presented an extremely interesting paper entitled, "Physiological and Psychological Effects of Noise on Man."

Thirteen members and guests attended the dinner prior to the meeting and there were twenty-two at the meeting.

January 21, 1965—Joint Meeting with ASME. Meeting jointly with ASME at Arthur D. Little Co., 25 Acorn Park, Cambridge, approximately one hundred and twenty-five people attended the social hour and dinner prior to the meeting. The speaker was E. Sherman Chase, Honorary Member of BSCE, who selected as his subject "Water Resources—Facts, Fads and Fancies."

Of the one hundred and twenty people who attended it is estimated that approximately twenty-five were members of BSCE.

March 3, 1965—Annual Meeting. The officers and members of the Executive Committee elected were:

Chairman	William C. Traquair
Vice-Chairman	Robert L. Meserve
Clerk	Walter M. Newman
Executive Committee	Charles A. Parthum
	David A. Duncan
	Allison C. Hayes

Prof. N. Bruce Hanes of Tufts University presented a paper entitled "Relationship between *Escherichia Coli*, Type I, Coliform and Enterococci in Water."

Thirty-two members and guests attended the meeting and twenty attended the dinner prior to the meeting.

During the year three meetings of the Executive Committee were held.

FRANCIS T. BERGIN, *Chairman*

REPORT OF THE EXECUTIVE COMMITTEE OF THE STRUCTURAL SECTION

Boston, Mass., March 18, 1965

*To the Structural Section
Boston Society of Civil Engineers:*

The seven meetings held by the Structural Section during the past year were as follows:

April 8, 1964—Dr. James L. Sherard of the firm of Woodward, Clyde, Sherard & Associates, spoke on "Earth Dams—Design Procedures to Minimize Construction Problems and Claims by Contractors." Attendance was 69.

May 13, 1964—Mr. William J. LeMessurier of the firm of William J. LeMessurier & Associates, Inc., spoke on "Structural Design of Tall Buildings." This was a joint meeting with the Main Society. Attendance was 85.

October 14, 1964—Professor John M. Biggs and Professor Robert D. Logcher of M.I.T. spoke on "Computer Analysis of Structures: On-Line Demonstration." Attendance was 51.

November 18, 1964—Mr. Robert E. White, Vice-President of Spencer, White & Prentis, Inc., spoke on "Slurry Trench Walls." This was a joint meeting with the Main Society. Attendance was 79.

December 9, 1964—Dr. Ivan Viest of the Bethlehem Steel Company spoke on "Alaskan Earthquake—Effects on Structures." Attendance was 40.

January 13, 1965—Dr. Howard Simpson of Simpson, Gumpertz and Heger, Inc., spoke on "The Computer Analysis of Complex Structures." Attendance was 62.

February 10, 1965—Dr. Joaquim L. Serafim, Visiting Professor at M.I.T. and Consulting Civil Engineer in Lisbon, Madrid and Rio de Janeiro, spoke on "Foundations of Concrete Dams." At this annual meeting of the Structural Section the following officers were elected for the forthcoming year; Chairman, Donald T. Goldberg; Vice-Chairman, Robert L. Fuller; Clerk, Charles C. Ladd; Executive Committee, Fritz F. Hampe, Richard C. Jasper and Albert B. Rich. Attendance was 62.

The total attendance at the seven meetings was 448, averaging 64 per meeting.

ROBERT L. FULLER, *Clerk*

REPORT OF THE EXECUTIVE COMMITTEE OF THE TRANSPORTATION SECTION

Boston, Mass., March 3, 1965

*To the Transportation Section
Boston Society of Civil Engineers:*

The following four meetings of the Transportation Section took place during the past year:

April 22, 1964—Dr. Joseph Maloney, Executive Director of the Mass. Transportation Commission, presented the results of the year-long multimillion dollar "Demonstration Project" conducted by the M.T.C. Ten were in attendance at this very interesting meeting.

September 16, 1964—Mr. William Leong, Civil Engineer and City Planner of Lowell, Massachusetts, presented a detailed talk on transportation planning problems that were solved and created by the Central Artery. Seventeen members were present.

November 23, 1964—Mr. Philip E. Clerke, Highway and Lighting Engineer with Westinghouse, gave a very interesting illustrated talk on highway lighting design and application. Twenty-seven attended this talk.

February 24, 1965—Meeting date was changed at the request of the Board of Government to February 17, 1965 on which date Mr. Oscar Bakke, Regional Director of the FAA, gave an extremely interesting talk on coordination of transportation facilities and questioned, with interesting statistics, whether or not those transportation plans now under way are in phase with the times and requirements. There were thirty-nine members and guests present. This meeting was the Section's annual meeting and the following officers were elected:

Chairman	Mr. B. Quirk
Vice-Chairman	Mr. W. McLea
Secretary	Mr. P. LaRosa
Executive Committee	Mr. Kas Kray
	Mr. Thomas Giblin

This Section held seven Executive Committee meetings during the year, polled its membership and established a roster of members willing to serve on committee or present papers.

ERNEST A. HERZOG, *Chairman*