

ANNUAL REPORTS

REPORT OF THE BOARD OF GOVERNMENT FOR YEAR 1965-1966

Boston, Mass., March 16, 1966

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 23, 1966.

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

Honorary	11
Members	1024
Associates	5
Juniors	42
Students	12
Total	1094

Student Chapters	2
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Summary of Additions

New Members	37
New Juniors	9
New Students	5

Reinstatements

Members	0
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Summary of Transfers

Junior to Member	6
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Summary of Loss of Members

Deaths	13
Resignations	13
Dropped for non-payment of dues	18
Dropped for failure to transfer	2

Life Members	108
Members becoming eligible today for Life Membership	5
Applications pending on March 16, 1966	23

Honorary Membership is as follows:

Harry P. Burden, elected, February 1, 1965
Thomas R. Camp, elected, February 3, 1964

Arthur R. Casagrande, elected, February 1, 1965
 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:

Albert E. Abruzzese, September 27, 1965
 Henry W. Buck, September 16, 1965
 Edward H. Cameron, November 28, 1964
 Frank M. Carhart, June 24, 1965
 Frederick O. Clapp, 1966
 William D. Jordan, January 17, 1966
 Edward L. Lockman, September 24, 1965
 Charles A. McManus, February 20, 1965
 Arthur F. McVarish, May 31, 1965
 Herman S. Price, May 7, 1965
 Allen E. Rucker, December 21, 1965
 Harrison E. Schock, August 1965
 Heald, Harold F., September 3, 1965

Meetings of the Society

March 18, 1965. Address of the retiring President William A. Henderson. "Whither the Boston Society of Civil Engineers."

May 17, 1965. Joint Meeting with the Transportation Section. Frank P. Davidson, President, Technical Studies, Inc., "Channel Tunnel: The View from Dover Castle."

October 27, 1965. Joint Meeting with Massachusetts Section, American Society of Civil Engineers (Student Night). George R. Rich, Vice President of Chas. T. Main, Inc., and Partner of Uhl, Hall & Rich. "Challenge of Civil Engineering."

November 17, 1965. Joint Meeting with Construction Section. Mr. Gary Kallmann, Mr. William J. LeMessurier, Mr. David Morton. "Design and Construction of the New Boston City Hall."

January 26, 1966. Joint Meeting with the Hydraulics Section. John R. Freeman Memorial Lecture. Dr. Hunter Rouse. "Jet Diffusion and Cavitation."

February 14, 1966. Joint Meeting with Massachusetts Section, American Society of Civil Engineers. John W. Leslie. "Upper Saint John River Power Project."

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

Attendance at Meetings

<i>Date</i>	<i>Place</i>	<i>Meetings</i>	<i>Dinner</i>
March 18, 1965	Hotel Vendome	60	227
May 17, 1965	Society Rooms	35	
October 27, 1965	Worcester Polytechnic Institute	155	155
November 17, 1965	United Community Services Building	165	115
January 26, 1966	United Community Services Building	72	92
February 14, 1966	Red Coach Grill	140	140

be presented at the Annual Meeting and will be published in the Journal of the Society.

Funds of the Society

Permanent Fund. The Permanent Fund of the Society has a present value of \$78,836.26. 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 November 17, 1965, and January 26, 1966 meetings, the Board of Government was authorized to transfer an amount not to exceed \$6,500 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 \$3,418.17.

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 be devoted to a yearly prize for the most useful paper relating to hydraulics contributed to the 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. This year a "John R. Freeman Memorial Lecture" was given. Dr. Hunter Rouse presented a paper on "Jet Diffusion and Cavitation." The expenditure from this fund during the year was \$433.00.

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 \$100 of the income of this fund for the purchase of books for the library. The expenditure from this fund during the year was \$94.49.

Alexis H. French Fund. The Alexis H. French Fund, a bequest of \$1,000 was received in 1931, from the late Alexis H. French, 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 \$100 of the income of this fund for the purchase of books for the library. The expenditure from this fund during the year was \$60.99.

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, 1965. Roger Allen Samuel, a student in civil engineering, class of 1966, was awarded this Scholarship of \$100 for year 1965-1966.

Desmond FitzGerald Fund. The Desmond FitzGerald Fund established in 1910, a bequest of \$2,000 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 on April 13, 1964, 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 student in civil engineering, at Northeastern University. It was voted on February 18, 1965 "to adopt the recommendation of the Committee at Northeastern University, namely, a \$100 scholarship be given to Richard A. Easler. Presentation was made at the Annual Meeting of the Society on March 18, 1965.

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 voted April 22, 1965 "that no appropriation be made from this fund this year."

Edward W. Howe Fund. This fund is a bequest of \$1,000 received in 1933, from the late Edward W. Howe, a former Past President of the Society. No restrictions were placed on the use of this bequest, 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." The Board voted April 22, 1965 "that a sum not to exceed \$127 be appropriated from the income of this fund to be used to pay half of the cost of prize awards and Honorary Membership Certificates." The expenditure from this fund during the year was \$119.07.

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 bequest, 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 18, 1965, "to adopt the recommendation of the Committee at Tufts University, namely, a

\$100 scholarship be given to Allen B. Potvin. Presentation was made at the Annual Meeting of the Society on March 18, 1965.

Frank B. Walker Fund. This fund, a bequest of \$3,000, 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 bequest, 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." The Board voted on April 22, 1965 "that a sum not to exceed \$127 be appropriated from the income of this fund to be used to pay half of the cost of prize awards and Honorary Membership Certificates." The expenditure from this fund during the year was \$119.07.

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 unanimously January 26, 1966 "to approve recommendation of the Ralph W. Horne Fund Award Committee, namely, "that Miles N. Clair be the second recipient to receive the Ralph W. Horne Fund

Prizes

<i>Award</i>	<i>Recipient</i>	<i>Paper</i>
Desmond FitzGerald Medal	William E. Dobbins	"Diffusion and Mixing"
Clemens Herschel Award	Peter S. Eagleson	"Hydraulic Fundamentals I and II"
Hydraulics Section Award	James W. Daily	"Cavitation Phenomena in Hydraulic Systems"

<i>Recipient</i>	<i>Paper</i>
Ronald C. Hirschfeld	"Introduction—Local Geology"
Steve J. Poulos	"Theory of Consolidation"
Charles C. Ladd	"Consolidation Behavior of Soils"
T. William Lambe	"Analysis of Settlements"
Robert V. Whitman	"Strength of Soils"
Donald T. Goldberg	"Bearing Capacity and Settlement of Footings"
James F. Haley	"Shallow Foundations"
Henry A. Mohr	"Piles and Caisson Foundations"
Arthur Casagrande	"Foundations on Soft Ground with Emphasis on Floating Foundations"
Harl P. Aldrich, Jr.	"Selection and Performance of Foundations"

Award." Presentation to be made at the Annual Meeting of the Society on March 23, 1966.

The Board of Government voted November 15, 1965 "that an honorarium be given to each of the speakers in the Soil Mechanics Lecture Series, of a book or books not to exceed \$25, also that a stipend of \$50 be given to each of the speakers."

Library

The report of the Library Committee contains a complete account of the Library Committee's 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.

LESLIE J. HOOPER, *President*

REPORT OF THE SECRETARY

Boston, Mass., March 23, 1966

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 23, 1966

	<i>Expenditures</i>	<i>Receipts</i>
<i>Office</i>		
Secretary's Salary & Expense	\$ 1,169.48	
Treasurer's Honorarium	746.65	
Stationery, Printing & Postage	845.72	
Incidentals & Petty Cash	103.84	
Insurance & Treasurer's Bond	148.00	
Quarters, Rent, Tel. & Light	5,377.90	
Office Secretary	6,007.00	
Social Security	266.91	

Meetings

Rent of Halls, etc.	80.00	
Stationery, Printing & Postage	—	
Hospitality Committee	1,322.40	\$ 1,147.75
Reporting & Projection	7.50	
Annual Meeting, March, 1965	1,282.75	1,040.00

Sections

Sanitary Section	34.50
Structural Section	54.32
Transportation Section	21.50
Hydraulics Section	9.05
Construction Section	12.50

Journal

Editor's Salary & Expense	748.92	
Printing & Postage	5,641.67	
Advertisements	—	1,303.40
Sale of Journals	—	2,616.00
Reprints	370.62	293.84
Copyright	14.00	

Library

Periodicals	51.00
Binding	41.05

Miscellaneous

Binding Journals for Members	17.00	17.00
Badges	—	15.00
Bank Charges	3.32	
Miscellaneous	325.99	181.85
Engineering Societies Dues and Charge for Journal Space	1,196.93	
Public Relations Committee	54.75	
Dues from B.S.C.E. Members		11,789.97
Trans. Income Perm. Fund		4,132.29
Trans. Prin.		3,418.17
	<u>\$25,955.27</u>	<u>\$25,955.27</u>

Entrance Fees to Permanent Fund \$430.

37 New Members; 9 New Junior Members; Juniors Trans. to Members 6;
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 36 (Petty Cash) to be used as a fixed fund or cash on hand. \$279.24 withholding

tax and \$140.72 social security, which is payable to Collector of Internal Revenue and State of Massachusetts in April, 1966, is not included in the above tabulation.

Respectfully submitted,
CHARLES O. BAIRD, JR., *Secretary*

REPORT OF THE TREASURER

Boston, Mass., March 23, 1966

To the Boston Society of Civil Engineers:

This report covers the fiscal year beginning March 1, 1965 and ending at the close of business on March 1, 1966.

The Boston Safe Deposit and Trust Company continues to hold the investment securities and to serve as custodian and financial advisor. All security transactions are made by the custodian upon a vote of approval of the Board of Government of this Society. In accordance with the terms of the agreement, the custodian has furnished the Treasurer of the Boston Society of Civil Engineers with a certified audit of the principal and income accounts. This audit, the receipts from the Secretary, the bills paid by the Treasurer, the savings bank passbook, and the check-book have all been reviewed by the Auditing Committee of the Society and the information in this report verified.

The Boston Safe Deposit and Trust Company reviews the portfolio of securities twice a year. After each review the custodian usually recommends changes. The Investment Committee of the Society studies the proposed changes and submits them to the Board of Government in the form of a motion. The bank is advised of the vote taken by the Board and proceeds with the appropriate action.

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

- Jewel Tea Co., Inc.
 - Received in stock split 62 shares
- Illinois Power Co.
 - Bought 200 shares
- Pacific Gas & Electric Co. (Common)
 - Sold 315 shares
- U.S.A. Treasury Bonds
 - Bought \$3,000 par value
- Monsanto Co.
 - Received in stock dividend 2-4/100 shares
 - Bought 96/100 shares
 - Received in consolidation 1 share
- International Business Machine Corp.
 - Bought 9 shares
- American Telephone and Telegraph Co.
 - Sold 70 shares

The financial standing of the Society as of March 1, 1966 is summarized in the seven 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

In order to have enough cash to pay the bills it was necessary to transfer \$10,000.00 to the checking account. Of this, \$2,000.00 was withdrawn from the savings bank, and \$8,000.00 from the Income Account of the Custodian Account. On March 1, 1966 the checkbook had a balance of \$2,750.77.

Receipts from the Secretary including membership dues, advertisements in the Journal, sale of Journals, etc., amounted to \$18,404.81 and was credited to the Current Fund. The Secretary also received \$430.00 in entrance fees which was credited to the Permanent Fund.

Permanent Fund

The income from interest and dividends which was credited to the Permanent Fund amounted to \$4,651.04. That portion of custodian charges which is attributable to the Permanent Fund came to \$518.75. The remainder of the income to the Permanent Fund (\$4,132.29) was transferred by vote of the Board of Government to the Current Fund to meet current expenses.

At the November 1965 and January 1966 meetings of the Society it was voted that a sum not to exceed \$6,500.00 might be transferred from the principal of the Permanent Fund to the Current Fund to meet current expenses.

It became necessary to transfer \$3,418.17 from the principal of the Permanent Fund to the Current Fund.

The total expenditure from the Permanent Fund was \$8,069.21.

The January 1966 issue of the Journal was not ready for publication by the end of the fiscal year. The cost of the issue (approximately \$1,500) was removed from the budget of the 1965 fiscal year and will be included in the budget for the 1966 fiscal year.

John R. Freeman Fund

The Freeman Fund Committee has inaugurated an annual series of lectures in memory of John R. Freeman. It is intended to invite distinguished investigators and lecturers in the field of fluid mechanics and hydraulics to deliver a lecture or series of lectures using the income of the John R. Freeman Fund. Dr. Hunter Rouse was the first invited guest to deliver a Freeman Memorial Lecture. The honorarium and part of the expenses paid during the fiscal year amounted to \$433.00.

Edmund K. Turner Fund

The sum of \$94.49 was expended from the income of the Edmund K. Turner Fund for new books for the Library.

Desmond FitzGerald Fund

A scholarship of \$100.00 from the income of the Desmond FitzGerald Fund was awarded at the last annual meeting of the Society to Richard A. Easler, a student at Northeastern University.

Alexis H. French Fund

The income of the Alexis H. French Fund was used to provide new books for the Library in the amount of \$60.99.

Edward W. Howe Fund

Part of the prize awards and honorary membership certificates awarded in March 1965 were paid for, using income of the Edward W. Howe Fund. The sum of \$119.07 was expended.

William P. Morse Fund

Mr. Allen B. Potvin, a student at Tufts University was awarded a \$100 scholarship from the income of the William P. Morse Fund. The award was made at the annual meeting of the Society in March 1965.

Frank B. Walker Fund

The income of the Frank B. Walker Fund was depleted by \$119.07 to pay for the other half of the prize awards and honorary membership certificates which were presented at the last annual meeting.

Ralph W. Horne Fund

An expenditure of \$232.50 was made from the income of the Ralph W. Horne Fund to provide the certificates awarded to Professor Charles O. Baird (the Secretary) at the annual meeting of March 1965, and to the recipient of the award at this annual meeting, Mr. Miles N. Clair.

Surveying Lectures Fund

At the May 17, 1965 meeting of the Board of Government it was voted to transfer to the Structural Lectures Fund the unexpended balance (\$628.68) of the Surveying Lectures Fund.

Structural Lectures Fund

In the late fall of 1965 and early in 1966 a series of Soil Mechanics Lectures was sponsored by the Structural Section. A nominal fee was charged those attending. The number of persons attending was so large that \$2,895.50 was realized as income. Many of those attending were not members of the Society and have since become members. Part of the fee to nonmembers has been transferred to dues when those nonmembers joined the Society. \$237.00 from those receipts has already been transferred to dues and additional amounts will be transferred in fiscal 1966.

MIT and Harvard University both provided quarters for this series of lectures for which the B.S.C.E. is deeply grateful.

Printing, postage, slides, projection costs plus awards to the individual lecturers in recognition of their services amounted to \$1,470.46.

Boring Data Fund

The sale of Boring Data books realized an income of \$35.00 to this fund.

Soil Mechanics Fund

In November 1965 the third volume of the Soil Mechanics Series was published and dedicated to the memory of Dr. Karl Terzaghi. The total bill for publication of this volume was \$2,697.00. Volumes I and II were reprinted last year and the demand for them remains high. One order alone filled for a university in California amounted to \$351.10. These are extremely valuable publications and widely used as textbooks. The usual student reaction is "Where can you buy a textbook today for \$4.50?" These volumes are being distributed at about cost, and this is typical of the projects which this Society endeavors to undertake.

Sanitary Lectures Fund

The sale of Sanitary Lectures Volumes provided an income of \$37.50 during the fiscal year.

Journal of the Boston Society of Civil Engineers

Expenditures required to publish the Journal are made from the Current Fund. A summary of the figures associated with the publication of three issues of the Journal this fiscal year is as follows:

Printing, Postage, and Copyright	\$5,655.67
Receipts from Advertisements	1,303.40
Net expenditure	<u>\$4,352.27</u>

Withholding Taxes and Social Security

Of the cash on hand indicated in the accompanying tables, \$419.97 is held in escrow for Federal and Massachusetts withholding taxes, and for social security payments.

Karl R. Kennison Fund

On March 11, 1966, Mr. Richard Claybourne reported to the Treasurer the status of the irrevocable trust involving shares in Massachusetts Hospital Life Insurance Company established by Mr. Karl R. Kennison.

Trust #4315	356.650 shares	\$4,565.00
Trust #4444	382.552 shares	4,897.00
Total	<u>739.202 shares</u>	<u>\$9,462.00</u>

PAUL A. DUNKERLEY, *Treasurer*

TABLE I
DISTRIBUTION OF FUNDS

	Book Value		Interest and Dividends		Net Profit or Loss at Sale or Maturity		Transfer of Funds		Book Value Mar. 1, 1966
	Mar. 1, 1965 1		Cash 2	Credit 3	+	-	Purchased	Sold	
Bonds	\$ 72,199.09		\$2,881.25						\$ 75,197.22
Savings Bank	5,231.44			\$139.54			\$ 2,998.13		3,370.98
Stocks	61,813.37		5,620.82		\$10,575.64		14,260.39		71,217.17
Available for Investment	3,772.21							554.21	3,218.00
	\$143,016.11		\$8,502.07	\$139.54	\$10,575.64		\$17,258.52	\$7,410.80	\$153,003.37
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TABLE II
DISTRIBUTION OF FUNDS—RECEIPTS AND EXPENDITURES

Funds	Book Value Mar. 1, 1966	Allocation of Income— Profit and Loss			Received	Expended	Book Value Mar. 1, 1966
		Income	Net Profit				
		Col. 2&3	Col. 4&5				
Permanent	\$76,112.32	\$4,651.04	\$+5,712.11	\$430.00	\$8,069.21	\$78,836.26	
John R. Freeman	44,342.95	2,703.52	3,312.69		734.90	49,624.26	
Edmund K. Turner	1,837.25	111.43	135.81		106.99	1,977.50	
Desmond FitzGerald	3,587.91	214.10	261.19		124.08	3,939.12	
Alexis H. French	1,815.75	109.96	134.29		73.31	1,986.69	
Clemens Herschel	1,385.21	84.50	103.71		9.43	1,563.99	
Edward W. Howe	2,006.64	116.73	141.39		132.31	2,132.45	
William P. Morse	3,741.64	223.47	272.70		125.11	4,112.70	
Frank B. Walker	1,659.83	95.58	115.43		129.95	1,740.89	
Ralph W. Horne	3,223.78	191.16	232.81		254.04	3,393.71	
Surveying Lectures	622.66	8.03			630.69	0.00	
Transportation Lectures	395.01	24.10	29.57		2.70	445.98	
Structural Lectures	601.79	107.99	123.94		1,717.02	2,640.88	
Boring Data	270.50			80.00		350.50	
Soil Mechanics	3,548.74			1,567.18	2,759.11	2,356.81	
Sanitary Lectures	-2,135.87			37.50		-2,098.37	
Subtotal	\$143,016.11	\$8,641.61	\$10,575.64	\$5,638.86	\$14,868.85	\$153,003.37	
Current	1,500.00	4,132.29		21,822.98	75,955.27	1,500.00	
Totals	\$144,516.11	\$12,773.90	\$10,575.64	\$27,461.84	\$40,824.12	\$154,503.37	

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

Cash Balance Investment Fund \$3,218.00

Current Fund 1,500.00

Total Fund \$4,718.00

\$7,550.46 Transferred from Permanent Fund

\$4,132.29 Transferred from Income to Permanent Fund

\$3,418.17 Transferred from Principal to Permanent Fund

TABLE III
RECORD OF INVESTMENTS—BONDS
March 1, 1965 to March 1, 1966

Bonds	Date of Maturity	Interest Rate	Interest Received	Par Value	Book Value		Market Value	
					Mar. 1, 1966	\$5,037.50	Mar. 1, 1966	Mar. 1, 1966
Aluminum Company of America	Apr. 1, 1983	3-7/8	\$193.75	\$5,000.00	\$5,037.50	\$4,375.00		
Associates Investment Co., Decb.	Aug. 1, 1979	5-1/8	307.50	6,000.00	6,000.00	5,760.00		
Columbia Gas Systems Inc., Decb., Series D	July 1, 1979	3-1/2	70.00	2,000.00	2,066.17	1,680.00		
Consumers Power Co., 1st Mortgage	Sept. 1, 1975	2-7/8	86.25	3,000.00	3,140.35	2,475.00		
Flintkote Co.	Apr. 1, 1981	4-5/8	462.50	10,000.00	10,450.00	9,400.00		
Florida Power Co., 1st Mortgage	July 1, 1984	3-1/8	31.25	1,000.00	1,017.50	783.75		
Florida Power Co., 1st Mortgage	July 1, 1986	3-7/8	193.75	5,000.00	5,037.59	4,331.25		
General Motors Acceptance Corp.	Sept. 1, 1975	3-5/8	181.25	5,000.00	5,101.80	4,318.75		
Georgia Power Co., 1st Mortgage	Dec. 1, 1977	3-3/8	168.75	5,000.00	5,162.50	4,250.00		
Marine Midland Corp., Decb.	July 1, 1989	4-1/2	225.00	5,000.00	5,000.00	4,600.00		
Province of Ontario	Sept. 1, 1972	3-1/4	97.50	3,000.00	2,936.25	2,673.75		

TABLE III (Continued)

Bonds	Date of Maturity	Interest Rate	Interest Received	Par Value	Book Value Mar. 1, 1966	Market Value March 1, 1966
Public Service Electric and Gas Co.	June 1, 1979	2-7/8	115.00	4,000.00	4,097.50	3,100.00
So. Pacific, 1st Series A, Oregon Lines	Mar. 1, 1977	4-1/2	180.00	4,000.00	4,191.30	3,720.00
Superior Oil Co., Dcb.	July 1, 1981	3-3/4	150.00	4,000.00	4,000.00	3,600.00
Tidewater Oil Co., Dcb.	Apr. 1, 1986	3-1/2	70.00	2,000.00	2,032.50	1,642.50
U.S.A. Treasury Bonds	May 15, 1974	4-1/4	85.00	2,000.00	2,000.00	1,883.12
U.S.A. Treasury Bonds	Aug. 15, 1973	4	200.00	5,000.00	4,928.13	4,650.00
U.S.A. Treasury Bonds	May 15, 1974	4-1/4	63.75	3,000.00	2,998.13	2,824.68
Totals			\$2,881.25	\$74,000.00	\$75,197.22	\$66,067.80

TABLE IV
 RECORD OF INVESTMENTS—STOCKS
 March 1, 1965 to March 1, 1966

Stocks	Classifi- cation	Number of shares	Dividend Received	Book Value		Market Value	
				Mar. 1, 1966	Mar. 1, 1966	Mar. 1, 1966	Mar. 1, 1966
American Telephone & Telegraph Co.	Common	250	\$ 656.00	\$ 4,505.87	\$ 14,859.50		
Commercial Credit Co.	Common	240	432.00	9,963.21	7,515.12		
General Electric Co.	Common	150	360.00	2,341.47	16,228.20		
General Motors Corp.	Common	126	661.50	5,576.32	12,513.44		
Hartford Fire Insurance Co.	Common	107	155.15	1,534.39	7,744.13		
Illinois Power Co.	Common	200	160.00	9,686.00	7,837.60		
International Business Machine Corp.	Common	9	283.50	0.00			
Jewel Tea Co.	Common	187	212.20	4,976.81	7,304.78		
Monsanto Co.	Common	105	147.90	7,260.28	8,564.12		
National Dairy Products Corp.	Common	100	260.00	1,154.74	7,906.30		
New England Electric System	Common	208	253.76	3,332.89	5,564.00		
Pacific Gas and Electric Co.	Common	0	0.00	4,497.75	4,578.75		
Scott Paper Co.	Common	263	243.29	5,944.04	10,237.00		
Southern California Edison Co.	Common	177	216.82	1,932.99	6,150.75		
Standard Oil of New Jersey	Common	200	630.00	2,012.76	15,225.00		
Texaco Inc.	Common	236	578.20	1,515.72	18,275.37		
Pacific Gas and Electric Co.	Preferred	100	150.00	2,704.89	3,018.80		
Southern California Edison Co.	Preferred	120	145.50	1,140.24	3,952.56		
Southern Railways Co.	Preferred	75	75.00	1,136.80	1,425.00		
Totals			\$5,620.82	\$71,217.17	\$158,920.42		

TABLE V
RECORD OF INVESTMENTS—SAVINGS BANKS

Bank	Savings Account Number	Interest Received	Book Value Mar. 1, 1966	Market Value Mar. 1, 1966
First Federal Savings and Loan Assoc. of Boston	1S-631	\$139.54	\$3,370.98	\$3,370.98

NOTE: On March 2, 1965 a withdrawal of \$2,000.00 was made from this account and deposited in the checking account.

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

	Book Value March 1, 1966	Market Value March 1, 1966
Bonds	\$ 75,197.22	\$ 66,067.80
Stocks	71,217.17	158,920.42
Savings Bank	3,370.98	3,370.98
Available for Investment	3,218.00	3,218.00
Total March 1, 1966	\$153,003.37	\$231,577.20
Total March 1, 1965	143,016.11	245,225.12
Increase or Decrease	+\$ 9,987.26	-\$ 13,647.92

TABLE VII
COMPARISON OF BOOK AND MARKET VALUE OF FUNDS

Funds	Book Value March 1, 1966	Market Value March 1, 1966
Permanent	\$ 78,836.26	\$119,483.86
John R. Freeman	49,624.26	75,210.29
Edmund K. Turner	1,977.50	2,997.09
Desmond FitzGerald	3,939.12	5,970.11
Alexis H. French	1,986.69	3,011.02
Clemens Herschel	1,563.99	2,370.37
Edward W. Howe	2,132.45	3,231.93
William P. Morse	4,112.70	6,233.19
Frank B. Walker	1,740.89	2,638.49
Ralph W. Horne	3,393.71	5,143.49
Transportation Lectures	445.98	675.92
Structural Lectures	2,640.88	4,002.50
Boring Data*	350.50	350.50
Soil Mechanics*	2,356.81	2,356.81
Sanitary Lectures*	-2,098.37	-2,098.37
Subtotal	\$153,003.37	\$231,577.20
Current*	1,500.00	1,500.00
Total	\$154,503.37	\$233,077.20

* These are not interest-earning invested funds.

REPORT OF THE AUDITING COMMITTEE

Boston, Mass., March 23, 1966

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.

Respectfully submitted,
HARL P. ALDRICH, JR.
MYLE J. HOLLEY, JR.

REPORT OF THE EDITOR

Boston, Mass., March 23, 1966

*To the Board of Government
Boston Society of Civil Engineers*

The Journal was issued quarterly, for the months of April, July, and October, 1965, and January, 1966, as authorized by the Board of Government on December 20, 1936.

Published during the year were 17 papers and one discussion; of the papers published, six were presented in the John R. Freeman Hydraulics Lecture Series, eight were presented at other meetings of the Society and Sections, one was presented at the Engineers' Week Luncheon in 1965, one was presented at the First New England Conference on Urban Planning for Environmental Health, and the remaining paper was a contribution to the Journal.

The four issues of the Journal contained about 380 pages of papers and proceedings, 10 pages of index, and 36 pages of advertising, a total of about 426 pages.*

The cost of printing the Journal was as follows:

Expenditures

Composition and printing	\$4,244.56**
Cuts	856.63
Wrapping, mailing and postage	328.64
Editor	748.92
Copyright	14.00
Reprints	370.62
Envelopes	211.84
	<hr/>
	\$6,775.21

Receipts

From Sale of Journals	\$2,616.00
From Sale of Reprints	293.84
From Advertising	1,303.40
	<hr/>
	\$4,213.24
Net cost of Journal to be paid from Current Fund	\$2,561.97

* These figures and those for costs are estimated pending final publication of the January issue.

** Includes a balance of \$347.61 for January, 1964.

Until very recently it has been difficult to obtain a satisfactory backlog of papers for publication. Section Chairmen are again encouraged to obtain manuscript from speakers at the time of presentation so that they may be considered for publication. Other contributions to the Journal are desirable also, and a "Guide for Authors" prepared by the Publications Committee, has been published in several issues (the most recent being in the October 1965 issue) in order that interested engineers might submit papers for consideration in an acceptable format.

Advertising continues to diminish. It would seem advisable either to develop a determined and vigorous advertising solicitation committee or to establish a contract with an advertising agency. In any event advertising revenue should be tripled in order for the Journal to pay for itself.

Respectfully submitted,
ROBERT L. MESERVE, *Editor*

REPORT OF THE LIBRARY COMMITTEE

Boston, Mass., February 23, 1966

To the Boston Society of Civil Engineers:

The Library Committee met at the Society Rooms on November 9, 1965. The meeting was devoted to preparing a list of books to be purchased and a general discussion on ways to encourage more extensive use of the library.

The following is a list of books purchased for the year at a cost of \$157.28.

Unit Processes of Sanitary Engineering—1963, L. G. Rich
 Unit Processes of Sanitary Engineering—1961, L. G. Rich
 National Technical Information Services Worldwide Dictionary
 Urban Transportation—The Federal Role, G. M. Smech
 Handbook of Applied Hydrology, V. T. Chow
 The Critical Path Method, L. R. Shaffer, J. B. Ritter, W. L. Mayer
 Structural Effects of Impact, M. Komhauser
 Corrosion and Corrosion Control, Uhlig
 Building Construction: Information Sources, H. B. Bentley
 Water Atlas of the United States, D. W. Miller
 Urban Land Use Planning, F. S. Chapin, Jr.
 The Analysis of Braced Domes, B. S. Benjamin

Dynamics of Bases and Foundations, Barkam
 Linear Programming, S. I. Gass
 Ideas, Inventions and Patents, Buckles

The Committee, on behalf of the BSCE, wishes to thank the Portland Cement Association for the following ACI publications:

Symposium on Fire Resistance of Concrete
 Symposium on Creep of Concrete
 ACI Standard Recommended Practice for Evaluation of Compression Test Results of Field Concrete

The following books were donated by Pergamon Press:

Elementary Mechanics of Solids, P. P. Benham
 Problems in Strength of Materials, N. M. Belyayer
 The Design of Structures of Least Weight, M. L. Cox
 Tables for Computing Elevations in Topographic Leveling, L. S. Khrenov

ROBERT L. FULLER, *Chairman*

REPORT OF THE HOSPITALITY COMMITTEE

Boston, Mass., February 23, 1966

To the Boston Society of Civil Engineers:

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

A total of six meetings of the Society were held during the past year. Included in this total were the annual dinner, a student night meeting, a joint luncheon meeting with the American Society of Civil Engineers, and three regular meetings.

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

SUMMARY OF MEETINGS

Date	Place	Attendance	
		Meeting	Dinner
March 18, 1965	Hotel Vendome	227	227
May 17, 1965	Society Rooms	35	—
October 27, 1965	Worcester Polytechnic Inst.	155	155
November 17, 1965	United Community Service Building	155	115
January 26, 1966	United Community Service Building	92	72
February 14, 1966	Red Coach Grill	140	140

The average attendance of members and guests for all six meetings or dinners (using the larger attendance figure) was 134, as compared to last year's average of 111.

Attendance at regular meetings of the Society during the past year was 94 persons per meeting. This represents a 62% increase in attendance over last year.

Respectfully submitted,
ROBERT L. FULLER, *Chairman*

REPORT OF COMMITTEE ON SUBSOILS OF BOSTON

Boston, Mass., March 10, 1966

To the Boston Society of Civil Engineers:

The Committee continued giving cooperation and encouragement to the U.S. Geological Survey group that is preparing subsurface structure maps of Greater Boston. These maps are based on all available borings and excavation data including the published and unpublished boring information gathered by the Boston Society of Civil Engineers. It is recommended that the Committee continue helping the U.S. Geological Survey where possible on this project.

Respectfully submitted,
DONALD G. BALL, *Chairman*
BSCE Subsoils Committee

REPORT OF ADVERTISING COMMITTEE

March 11, 1966

To the Boston Society of Civil Engineers:

The Advertising Committee held no formal meetings during 1965.

Review of the number of advertisements printed in the Journal over the past five years indicates the following:

1. Professional Cards decreased from 39 to 29.
2. Full Page Advertisements ran from 1 in 1960 to 2 in 1964 to 1 in 1965.
3. One-half Page Advertisements increased from 1 in 1960 to 2 in 1965.
4. One-quarter Page Advertisements decreased from 19 in 1960 to 11 in 1965.

It is apparent that action must be taken by the Society and its Advertising Committee to halt this trend.

It is suggested that a campaign be conducted over the next year to improve this phase of the Society's activity.

R. F. BATTLES, *Chairman*
BSCE Advertising Committee

REPORT OF JOINT LEGISLATIVE COMMITTEE

Boston, Mass., March 11, 1966

To the Boston Society of Civil Engineers:

The following Legislative acts of interest to engineers were enacted during the 1965 session of the Massachusetts General Court:

Bill No.	Subject	Chapter No.
HI34	An act permitting cities and towns to borrow money outside of the debt limit for buildings for water treatment.	68
H3388	An act relating to the protection of flood plains.	220
S923	An act providing for the establishment of a uniform plumbing code in cities and towns.	358
H353	An act extending the time within which the Massachusetts Turnpike Authority may lease air rights in connection with the extension into the city of Boston of the Massachusetts Turnpike.	446
S1081	An act further regulating the filing of bids for contracts for the construction, reconstruction, alteration, remodeling, repair and demolition of public buildings.	598

A review of bills filed for the 1966 session shows the following items of interest:

Bill No.	Subject	Report
S176	Petition of Philip A. Quinn and Joseph D. Ward for legislation to direct the Department of Public Works to provide for the protection of water resources, fish and wildlife and recreation values in advance planning for highway construction.	No final action on any of the Bills
S543	Petition of Philip A. Graham and Kevin H. Harrington for legislation to provide that graduation from a service academy shall be considered as graduation from an engineering school for the purpose of registration of professional engineers.	

- H490 Petition of Francis W. Hatch, Jr., and other members of the House for extending to public authorities the requirements of competitive bidding for construction, reconstruction, alteration, remodeling, repair or demolition of public buildings.
- H1004 Petition of the Consulting Engineers Council of New England, Inc., for a limitation of three years for the bringing of actions of contract or tort for malpractice, error or mistake against architects, professional engineers and land surveyors.
- H1093 Petition of the Consulting Engineers Council of New England, Inc., that provision be made for methods of payment on public consulting services.
- H2011 Petition of Charles W. Terenzio and Herbert B. Hollis for legislation to provide for the appointment of an executive secretary for the Board of Registration of Professional Engineers and of Land Surveyors.
- H2614 Petition of Raymond F. Rourke and James DeNormandie that the Department of Public Health be authorized to grant assistance to cities and towns for the construction of water pollution abatement facilities.
- H2776 Petition of the Massachusetts State Association of Architects for legislation relative to the time within which certain actions must be brought against architects and others.
- H3042 Petition of John A. Armstrong relative to the acceptance or approval of plans and specifications for the construction, reconstruction, enlargement, or alteration of buildings or structures.
-

In addition, there are other bills of interest to engineers which your Committee will follow to protect the interest of Professional Engineers and Land Surveyors.

CHARLES A. PARTHUM
RALPH M. SOULE
JAMES L. DALLAS, *Chairman*

REPORT OF EDUCATIONAL COMMITTEE

Boston, Mass., February 14, 1966

To the Boston Society of Civil Engineers:

No scheduled meetings were held by the Education Committee.

No topics requiring the attention of the Committee were submitted during the year 1965-1966.

GEORGE W. HANKINSON, *Chairman***REPORT OF COMMITTEE ON PROFESSIONAL CONDUCT**

Boston, Mass., March 21, 1966

To the Boston Society of Civil Engineers:

Your Chairman and other members of the Committee on Professional Conduct have attended most of the monthly meetings held during the past year by the Joint Committee on the same subject (ASCE, MSPE, and BSCE).

These meetings have considered competitive bidding for professional services, advertising practices by professional engineers, conflict of interest, and political contributions. In the matter of competitive bidding for aerial survey and mapping, the subject was given considerable attention. In one case a consulting engineering firm had its attention called to the fact that some of its advertising appeared to be contrary to accepted criteria. Political contributions were discussed but without the development of any definite opinion. This was a matter which had been discussed at some length in the 1965 report of the Massachusetts Crime Commission and is a somewhat embarrassing question.

Your Chairman took up informally on behalf of the BSCE a matter of alleged conflict of interest which, however, appeared on investigation to be unfounded. He also took up another matter involving what was claimed to have been an attempt to supplant another engineer. In this case the allegation was not pressed by the party claiming injury, and no further action was taken. The Chairman believes that where there is alleged unethical conduct that informal inquiry is advisable as a first step. This at least serves as a warning to members who may be approaching an area of unethical conduct and avoids unpleasantness; a result which is to be desired unless the alleged conduct is clearly demonstrated to be in flagrant violation of Codes of Ethics.

It should be noted that this past year one local member of another society represented in this Joint Committee, according to newspaper accounts, testified that, at the demand of his employer, he falsified invoices for services rendered. This employer recently has been found guilty of larceny in the lower court, but has appealed. Another local member of the society referred to above was cited for conspiracy in connection with indictments brought by the Attorney General. All three of the men are registered professional engineers in Massachusetts.

In view of the scandals involving engineers in the so-called Worcester case and the Boston Common Garage case, it is evident that the image of the engineer has

received some tarnishing in Massachusetts during the past few years. It seems to your committee that the individual members of professional engineering societies should look well to their conduct, not only for their own reputations but for the good repute of the Profession.

Respectfully submitted,
FRANCIS S. HARVEY
WILLIAM L. HYLAND
E. SHERMAN CHASE, *Chairman*

REPORT OF PUBLICATIONS COMMITTEE

March 23, 1966

To the Boston Society of Civil Engineers:

This report covers the period from March 1965 to March 1966. It was compiled from reports by the Chairmen of the five section committees: Construction, Hydraulics, Sanitary, Structural and Transportation.

22 papers delivered at meetings, including meetings held jointly with the Main Society or other groups.

10 papers of the 22 were of general interest and the other 12 were specifically regarding a single project.

11 papers were requested from speakers.

11 papers were promised.

4 papers were received.

3 of the 4 were approved for publication and one still being reviewed. None of the papers received were rejected.

It can be observed that more papers were published during the year than were received. This is due to the backlog of papers available from preceding years.

The Publication Committee of the previous year prepared a "Guide for Authors" which was published in some of the issues of the 1965 year. It was hoped that the guide would encourage presentation for publication of papers other than those presented at meetings. Although no papers in this category were received, it is still hoped that some will be received in the future. This feature is to help those who have something to say, and worth the reading, but the author cannot for whatever reason present the paper at a formal meeting.

Respectfully submitted,
SIMON KIRSHEN, *Chairman*
Publications Committee

REPORT OF JOHN R. FREEMAN FUND COMMITTEE

During the year 1965-66 this Committee instituted a John R. Freeman Memorial Lecture. Dr. Hunter Rouse presented the first such lecture at a Joint Meeting of the Society with the Hydraulic Section on January 26, 1966. His topic was "Jet Diffusion and Cavitation." The lecture was well attended and set a high standard for such a program.

Respectfully submitted,
LESLIE J. HOOPER, *Chairman*

REPORT OF THE EXECUTIVE COMMITTEE OF THE SANITARY SECTION

Boston, Mass., February 4, 1966

To the Sanitary Section

Boston Society of Civil Engineers:

During the preceding year the Executive Committee has included:

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

Annual Meeting March 3, 1965

Following election of officers, Dr. N. Bruce Hanes, Professor of Civil Engineering, Tufts University, presented an illustrated paper titled, "Relationship Between Escherichia Coli Type I, Coliform, and Enterococci in Water." Meeting attendance was thirty-five.

Annual Outing June 3, 1965

The outing was held in conjunction with the parent society at the Brockton, Massachusetts, Sewage Treatment Plant. Following tours of the plant, Mr. Fozi M. Cahaly, Vice President, Fay, Spofford and Thorndike, Inc., presented a historical background of sewerage facilities in the City of Brockton. Thirty-five persons toured the sewage treatment plant, and forty-five persons attended the dinner and presentation following.

Meeting October 6, 1965

Dr. Clair N. Sawyer, Senior Associate and Director of Research at Metcalf and Eddy, presented a challenging paper titled, "Engineering Aspects of Problems in the Aquatic Environment Related to Excessive Nutrients." The presentation included a relevant series of slides. Meeting attendance was forty-three persons.

Meeting December 1, 1965

The speaker at this meeting was Walter M. Newman, Acting Chief, Water Resources Development Section of the Division of Water Supply and Pollution Control. Mr. Newman presented a paper titled, "The Federal Water Pollution Control Effort in New England." Illustrative slides depicting pollutional problems of New England rivers and streams were shown. Thirty-eight persons attended this meeting.

The Executive Committee met four times during the year.

WALTER M. NEWMAN, *Clerk*

REPORT OF THE EXECUTIVE COMMITTEE OF THE STRUCTURAL SECTION

February 11, 1966

To the Structural Section

Boston Society of Civil Engineers:

The following meetings were held during the past year:

March 10, 1965—Mr. William A. Milek, Jr., of the American Institute of Steel Construction spoke on "Practical Aspects of Buckling in Structural Steel Design." Attendance was 54.

April 14, 1965—Dr. Russell C. Jones, Assistant Professor of Civil Engineering, M.I.T., spoke on "Structural Metals—Understanding through Material Science." Attendance was 19.

May 10, 1965—Dr. Ralph B. Peck, Professor of Soil Mechanics at the University of Illinois, spoke on the Alaskan earthquake. The attendance was not counted.

October 13, 1965—Mr. Horst Borberek, Senior Soils Engineer, Howard, Needles, Tannen and Bergendoff, spoke on "Foundation Studies and Pile Loading Tests for the Massachusetts Turnpike Boston Extension." Attendance was 42.

November 10, 1965—Mr. Nomer Gray, Partner of Ammann and Whitney, spoke on the "Verrazano Narrows Bridge." This was a joint meeting with the Main Society. Attendance was about 45.

December 8, 1965—Mr. John A. Gilligan of the United States Steel Corporation spoke on "Suggestions for Including ASTM A514 Steel in the AISC Specifications." Attendance was 17.

January 12, 1966—Professor Sepp Firnkas of Northeastern University spoke on "Prestressed-Precast Concrete Applied to Urban Renewal Projects." Attendance was 47.

February 9, 1966—Professor Kentaro Tsutsumi of Tufts University spoke on "A Stable Test Station Foundation for Aero Space Projects." At this annual meeting of the Structural Section, the following officers were elected for the forthcoming year: Chairman, Robert L. Fuller; Vice-Chairman, Charles C. Ladd; Clerk, Fritz F. Hampe; Executive Committee, Richard C. Jasper, Albert Rich, and Floyd Brown. Attendance was 48.

In addition to the above meetings, the Structural Section sponsored a series of ten lectures on "Soil Mechanics and Foundation Engineering" run between November 4, 1965 and February 3, 1966 under the Co-Chairmanship of Mr. Donald T. Goldberg and Prof. Charles C. Ladd. Over 275 persons registered for this series and the attendance varied from 175 to 225 persons.

The total attendance at seven of the eight meetings was 272, averaging 39 per meeting.

CHARLES C. LADD, *Clerk*

EXECUTIVE COMMITTEE REPORT HYDRAULICS SECTION

March 11, 1966

To the Hydraulics Section

Boston Society of Civil Engineers:

The following meetings were held during the past year:—

May 5, 1965—Mr. Philip J. Holton, Jr., Chief Engineer, City of Providence Water Supply Board, spoke on "The Providence Water Works and Proposed Improvements." Attendance—38.

November 3, 1965—The guest speaker was Mr. Richard F. Dutting, Hydraulic Engineer, Camp, Dresser & McKee of Boston, who described "The Application of Linear Programming to Water Distribution System Design." Attendance—48.

January 26, 1966—The Annual Meeting was held jointly with the Main Society of the Boston Society of Civil Engineers, in the Adams Room of the United Community Services Building, 14 Somerset Street, Boston, Mass. President Leslie J. Hooper presided. Prof. Eagleson presented the report of the Nominating Committee of the Hydraulics Section, K. Peter Devenis, Chairman, Richard F. Dutting and Lawrence C. Neale, for the following slate of officers for the coming year 1966-1967,

Chairman	Nicholas Lally
V-Chairman	Allan Grieve, Jr.
Clerk	Athanosios A. Vulgaropoulos
Executive Committee	Ronald T. McLaughlin.
	Stephen E. Dore, Jr.
	Albert G. Ferron

which were approved by voice vote. The reading of the Minutes of the previous meeting was dispensed with.

President Hooper presented Doctor Hunter Rouse, Director, Iowa Institute of Hydraulic Research, to speak in the first John R. Freeman Memorial Lecture. The speaker reviewed a series of studies of submerged jets that have been made in the Iowa laboratories in recent years.

The meeting was adjourned at 8:45 P.M.

Attendance at dinner preceding meeting 72, attendance at meeting 98.

Respectfully submitted,
ALLAN GRIEVE, JR., *Clerk*

REPORT OF EXECUTIVE COMMITTEE OF THE TRANSPORTATION SECTION

Boston, Mass., March 1, 1966

To the Transportation Section

Boston Society of Civil Engineers:

The Transportation Section of the BSCE held three meetings during the 1965-66 season as follows:

May 17, 1965—Mr. Frank P. Davidson, Pres. of Technical Studies, Inc., spoke on the subject "A View from Dover Castle—The English Channel Tunnel." Attendance: 41. Mr. Davidson submitted a paper on his talk which was published in the Journal of the Society.

November 22, 1965—Mr. Earl D. VanReenan: Edgerton, Getmeshausen & Grier, spoke on the subject: "Geophysical Survey of the English Channel Crossing." Attendance: 35.

February 24, 1966—Annual Meeting. Prof. Robert J. Hansen, Deputy Director of Project Transport and Professor at M.I.T. spoke on the subject "High Speed Ground Transportation." A paper on this subject will be submitted in the near future. Attendance: 48. At this meeting the following members were elected to office for the 1966-67 season:

Chairman	Casimir J. Kray
V-Chairman	Warren D. McLea
Clerk	Robert J. Kiley
Executive Committee	Alexander J. Bone
	James F. Orpin, Jr.
	Charles H. Flavin, Jr.

During the 1965-66 season the Executive Committee held meetings on March 30, 1965; May 10, 1965 and February 24, 1966.

Respectfully submitted,
BENEDICT J. QUIRK, *Chairman*

REPORT OF THE EXECUTIVE COMMITTEE OF THE CONSTRUCTION SECTION

Boston, Mass., March 8, 1966

To the Construction Section

Boston Society of Civil Engineers:

The following meetings of the Construction Section were held during the past year:

January 6, 1965—Mr. Christopher J. Murray, Jr., Geo. A. Fuller Co., Inc., presented an illustrated talk on "Construction of the Behavioral Science Building at Harvard University."

The following slate of officers were elected:

Chairman	Herman G. Protze
V-Chairman	Robert J. Van Epps
Clerk	William E. Wiley

March 24, 1965—Mr. Herbert M. Priluck, Construction Planning Management, Inc., using example problems, discussed “Concepts and Misconceptions Concerning the Use and Abuse of CPM for Construction.”

November 17, 1965—Joint Meeting with Main Society. An illustrated talk on “Design and Construction of New Boston City Hall” was presented by, Mr. Gary Kallman, Mr. William J. LeMessurier, of LeMessurier Associates, Inc., and Mr. David Morton, J. W. Bateson Co., Inc., spoke respectively from the architect’s, engineer’s, and contractor’s point of view.

The following slate of officers were elected:

Chairman	Robert J. Van Epps
V-Chairman	William E. Wiley
Clerk	Arthur H. Mosher

WILLIAM E. WILEY, *Clerk*