

ANNUAL REPORTS
REPORT OF THE BOARD OF GOVERNMENT FOR YEAR
1956 - 1957

Boston, Mass., March 20, 1957

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 20, 1957.

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

Honorary	7
Members	960
Associates	5
Juniors	86
Students	9
	1,067
Total	1,067

Student Chapters 2

Summary of Additions

New Members	54
New Juniors	25

Reinstatements

Members	5
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Summary of Transfers

Junior to Members	10
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Summary of Loss of Members

Deaths	10
Resignations	3
Dropped for non-payment of dues	11
Dropped for failure to transfer	2

Life Members	106
Members becoming eligible today for Life Membership	9
Remission of dues	1
Applications pending on March 20, 1957	24

Honorary Membership is as follows:

Frank M. Gunby, elected, February 15, 1950.
Karl R. Kennison, elected, February 7, 1951
Charles W. Sherman, elected, February 19, 1947
Charles M. Spofford, elected, December 19, 1945
Howard M. Turner, elected, February 18, 1952
Karl Terzaghi, elected, March 3, 1952
William F. Uhl, elected, February 7, 1955

The following members have been lost through death:

Thomas A. Berrigan, May 11, 1956
David Bornstein, Sept. 12, 1956
Otis D. Fellows, April 13, 1956
Howard A. Gray, April 23, 1956
Richard K. Hale, Sept. 17, 1956
Arthur C. King, Mar. 4, 1956
Langdon Pearse, July 17, 1956
Charles F. Morse, Aug. 4, 1956
Irving E. Moulthrop, Feb. 24, 1957
Donald O. Coe, 1956

Meetings of the Society

March 21, 1956. Address of the retiring President, Edwin B. Cobb, "Some Observations on Civil Engineering Education".

April 23, 1956. Joint Meeting with Massachusetts Section, American Society of Civil Engineers. "Panel Discussion on Mandatory Registration of Engineers and Land Surveyors in Massachusetts." Ralph W. Horne, Moderator. Panelists, Oscar S. Bray (ASCE), Thomas R. Camp (BSCE), Edward H. Barry (ASME and Mass. Board of Registration), Charles T. Chave (MSPE, ASME, AICHE) and Frederick S. Bacon, Jr. (AIEE).

May 16, 1956. Joint Meeting with Massachusetts Section, American Society of Civil Engineers and Sanitary Section, BSCE. "Some Experiences of a Sanitary Engineer as an Expert Witness." E. Sherman Chase, Partner, Metcalf & Eddy.

September 29, 1956. Inspection Trip to the Massachusetts Turnpike.

October 30, 1956. Joint Meeting with the Massachusetts Section American Society of Civil Engineers and Surveying and Mapping Section BSCE. "Science Studies the Antarctic." Father Daniel J. Linehan, Director, Seismological Observatory, Weston College, Weston, Mass.

November 19, 1956. Joint Meeting with the Massachusetts Section, American Society of Civil Engineers and Hydraulics Section, BSCE. Guided tour through the Computer Laboratory, M.I.T. "The Use of Analog and Digital Computers in Civil Engineering," Saul Namyet of Mass. Institute of Technology.

December 19, 1956. Joint Meeting with the Sanitary Section, BSCE, "Civil and Sanitary Engineering Trends in Europe and Latin America." Prof. Harold A.

Thomas, Jr., Gordon McKay Professor of Civil and Sanitary Engineering, Harvard University.

January 23, 1957. Joint Meeting with the Structural Section. "Renovations to South Boston Army Base". Robert J. Basso, Corps of Engineers, U. S. Army; Frank L. Lincoln, Partner, Fay, Spofford & Thorndike; Joseph Peraino, Chief Engr., Merritt-Chapman & Scott.

February 20, 1957. "Use of Photogrammetry in Highway Engineering." John Clarkeson, Clarkeson Engineering Corporation.

Attendance at Meetings

DATE	PLACE	MEETING	DINNER
March 21, 1956	Hotel Vendome	43	182
April 23, 1956	Faculty Club, M.I.T.	112	94
May 16, 1956	United Community Services Building	93	55
September 29, 1956	Field Trip Over Mass. Turnpike		
October 30, 1956	Northeastern University	386	359
November 19, 1956	Mass. Inst. Technology	109	92
December 19, 1956	United Community Services Building	40	*
January 23, 1957	United Community Services Building	86	51
February 20, 1957	United Community Services Building	89	*

*Collation served after meeting.

Average Attendance—117

Sections

Twenty-four 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 was presented and large attendance at these meetings has continued. The Annual Reports of the various Sections will be presented at the Annual Meeting and will be published in the April issue of the JOURNAL.

*Funds of the Society**

Permanent Fund. The Permanent Fund of the Society has a present value of \$63,551.22. 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 January 23, 1957 and February 20, 1957 meetings, the Board of Government was authorized to transfer an amount not to exceed \$1800 from the Principal of the Permanent Fund for Current Expenditures. The amount necessary to transfer for Current Expenditures was

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

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

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. The Committee this year voted to contribute a sum not to exceed \$1000 to help finance the cost of the "Seminar on Waste Water Disposal and Treatment", conducted by the Sanitary Section.

Edmund K. Turner Fund. In 1916 the Society received 1,105 books from the library of the late Edmund K. Turner, and a bequest of \$1,000, "the income of which is to be used for library purposes". The Board voted to use \$50 of the income for the purchase of books for the library. The expenditures from this fund during the year was \$39.50.

Alexis H. French Fund. The Alexis H. French Fund, a bequest amounting to \$1,000 was received in 1931, from the late Alexis H. French of Brookline, a former Past President of the Society. The income of the fund is "to be devoted to the library of the Society". The Board voted to use \$50 of the available income for the purchase of books for the Library. The expenditure from this fund during the year was \$50.

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 \$2,681.86 on June 30, 1956. Atis A. Liepins of Brentwood, New York, a student in Civil Engineering, class of 1957 was awarded this Scholarship of \$100 for the year 1956-57.

Desmond FitzGerald Fund. The Desmond FitzGerald Fund established in 1910 as 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 on April 9, 1956 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 to be given to a student at Northeastern University. It was voted on May 14, 1956 "to adopt the recommendation of the Committee at Northeastern University, namely, a \$100 scholarship be given to Donald E. Cullivan. The presentation was made by President Thomas at the Dean's List Dinner, June, 1956.

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 9, 1956 that payment of the Herschel Prize Award and Section Prize

Awards be appropriated from the income of this fund. The expenditures made during the year from the income of this fund was \$111.51.

Edward W. Howe Fund. This fund, a bequest of \$1,000 was received in 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 recommendation of the Board of Government was that the fund be kept intact, and that the income be used "for the benefit of the Society or its members". The Board of Government voted on April 9, 1956 "that a sum not to exceed \$200 be appropriated from the income of this fund for purchase of a Map File. The expenditures made during the year from the income of this fund was \$200.

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 upon the use of this money but the recommendation of the Board of Government was "that the fund be kept intact and that the income be used for the benefit of the Society or its members". Upon recommendation of a Committee appointed by the President, the Board voted on April 5, 1954 "to use a sum not to exceed \$100 from the income of this fund for a Scholarship to a worthy student in Civil Engineering at Tufts University to be known as the Boston Society of Civil Engineers Scholarship in memory of William P. Morse. The Board voted on April 9, 1956 "to appropriate from the income of this fund the sum of \$100 to be known as the William P. Morse Scholarship to a worthy student at Tufts University". The Board of Government voted on May 14, 1956 "that this Scholarship in the amount of \$100 be awarded to Gerald Fain, student at Tufts University, in recognition of his scholastic attainments". The Board of Government also voted that a sum not to exceed \$95 be appropriated from the income of this fund towards purchase of Map File and reconditioning mimeo machine. The expenditure made during the year from the income of this fund was \$200.53.

Prizes

AWARD	RECIPIENT	PAPER
Desmond FitzGerald Medal	T. William Lambe	"The Storage of Oil in an Earth Reservoir".
Clemens Herschel Award	Jacob Feld	"Structural Failures and How to Avoid Them".
Sanitary Section Award	John S. Bethel, Jr.	"Comprehensive Sanitary Survey of Woonsocket, Rhode Island".
Surveying & Mapping Section Award	Charles L. Miller	"Some New Conceptions and Old Misconceptions of Photogrammetry".

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.

In addition to routine business of the Society the Board of Government took action as follows:

- April 9, 1956 Voted that the President be authorized to appoint a committee to report on Massachusetts Public Building Commission Procedures and to make specific recommendations covering establishment of fees for civil engineering services.
- October 15, 1956 Voted to request the Joint Legislative Committee to prepare (with the aid of Legislative Counsel) a form of bill for the Mandatory Registration of Engineers in Massachusetts and to submit same forthwith to the Legislature.

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.

JOHN G. W. THOMAS, *President*

REPORT OF THE TREASURER

Boston, Mass., March 20, 1957

To the Boston Society of Civil Engineers:

The fiscal year ending March 1, 1957, has been a busy one for our Society and the following report, by your treasurer, outlines the financial transactions from March 1, 1956 to March 1, 1957.

As in previous years, the Boston Safe Deposit and Trust Company continues to be custodian of our securities and to be our investment counsel. Each month during the year, the treasurer receives a statement of the income and principal accounts. Once a year, dated close of business as of March 1st, the treasurer receives from the Boston Safe Deposit and Trust Company a certified statement of Bonds, Stocks, Interest and Dividends held by the Bank in the name of the Society and all payments made by the Bank in the name of the Society. The sale or purchase of all securities shown in this report have been made upon the recommendation of the above named Bank and by approval of the Board of Government. The financial standing of the Society as of March 1, 1957, is shown by six tables, namely:—

Table I	Record of Investments—Purchased
Table II	Record of Investments—Sold
Table III	Distribution of Funds—Receipts and Expenditures
Table IV	Record of Investments—Bonds
Table V	Record of Investments—Stocks
Table VI	Record of Investments—Cooperative Bank

This year it was necessary to transfer \$3,821.39 from the Permanent Fund. The net income to the Permanent Fund was \$3,284.60, therefore a sum of \$536.79 was transferred from the principal of the Permanent Fund. Below, the current fund receipts, expenditures and deficits are compared for the past five years.

	1952-1953	1953-1954	1954-1955	1955-1956	1956-1957
Receipts					
Dues	\$6,627	\$7,085	\$7,428	\$7,589	\$7,995
Other than dues	5,505	5,754	5,782	6,340	6,546
Total Receipts	\$12,132	\$12,829	\$13,210	\$13,929	\$14,541
Total Expenditures	14,576	14,724	15,814	17,075	18,362
Deficit	\$2,444	\$1,885	\$2,604	\$3,146	\$3,821

The book value of our securities, bank deposits, and cash are compared for this fiscal year and the previous four fiscal years. The Secretary's petty cash fund of \$30.00, the Society's Library, and other physical properties are not included in this comparison. An increase of \$2,128.42 is noted for this year.

	March 1 1953	March 1 1954	March 1 1955	March 1 1956	March 1 1957
Bonds	\$39,475.48	\$40,643.42	\$39,617.01	\$48,713.37	\$51,907.25
Stocks	45,858.01	46,112.29	49,359.89	50,406.00	51,465.51
Coop. Bank	10,221.96	5,425.68	5,559.44	5,697.24	4,845.16
Cash	2,322.89	4,605.98	6,269.11	5,661.13	4,388.24
Totals	\$97,878.34	\$96,787.37	\$100,805.45	\$110,477.74	\$112,606.16

Three of the funds shown in Table III, measure some of our important activities. The investment fund shows continued interest and a healthy growth of sales for Volumes I and II, "Contributions to Soil Mechanics". Secondly, the structural lecture series has been successfully concluded, and thirdly, the sanitary lecture series is now in full swing.

At the close of business March 1, 1957, our total market value of all securities and cash was \$167,489.64.

CHARLES O. BAIRD, JR., *Treasurer*

TABLE I—RECORD OF INVESTMENTS—PURCHASED
March 1, 1956 to March 1, 1957

Bonds	Maturity	Interest Rate	Date Purchased	Cost
Scott Paper Co. Conv. Deb.	March 1, 1971	3.00%	March 30, 1956	\$1123.79
Tide Water Asso. Oil Co. S. F. Deb.	April 1, 1986	3.50%	April 21, 1956	\$2032.50
Florida Power Corp. 1st Mtg.	July 1, 1986	3.875%	July 30, 1956	\$5037.59
Superior Oil Co. Deb. S. F.	July 1, 1981	3.75%	July 30, 1956	\$4000.00

Stocks	Classification	Number of Shares	Date Purchased	Cost
Hartford Fire Insurance Co.	common	3	May 21, 1956	\$456.00
American Telephone & Telegraph Co.	common	7	Oct. 7, 1956	754.24

TABLE II—RECORD OF INVESTMENTS—SOLD
March 1, 1956 to March 1, 1957

Name	Date Sold	Book Value March 1, 1956	Amount Received	Profit
U. S. of America Treasury Bond	July 30, 1956	\$8,000.00	\$8,170.00	\$170.00
U. S. of Savings Bond Series	Nov. 1, 1956	1,000.00	1,000.00	0.00
204 Rights New England Electric System	May 2, 1956		11.60	
100 Rights Pacific Gas & Electric Company	July 5, 1956		21.94	
Cooperative Bank, Matured Cert.	July 2, 1956	1,000.00	1,000.00	0.00

TABLE III—REPORT OF TREASURER—MARCH 1, 1957

Funds	Distribution of Funds		Receipts and Expenditures					March 1, 1957 Book Value
	Book Value March 1, 1956	Interest & Dividends Credit	Net Profit or Loss at Sale or Maturity	Transfer of Funds			March 1, 1957 Book Value	
				2	3	4		
Bonds	\$48,713.37	\$1,379.03	\$170.00	\$12,193.88	\$9,000.00	\$51,907.25		
Coop. Bank	5,697.24	15.00	\$147.92		1,000.00	4,845.16		
Stocks	50,406.00	4,413.45		1,210.24	150.73	51,465.51		
Available for Investment	4,151.13				1,272.89	2,888.24		
Totals	\$108,977.74	\$5,807.48	\$147.92	\$13,404.12	\$11,423.62	\$111,106.16		
Allocation of Income—Profit and Loss Columns 1 + 3 + 6 - 7 - 8								
Funds	Book Value March 1, 1956	Income Columns 2 & 3			Net Profit Columns 4 & 5		Book Value March 1, 1957	
		Income	Net Profit	Expended	Received	Expended		
Permanent	\$63,380.99	\$3,585.27	\$102.34	\$605.00	\$4,122.08	\$63,551.52		
John R. Freeman	31,878.96	1,803.29	51.48		1,151.24	32,582.49		
Edmund K. Turner	1,190.16	67.32	1.92		45.15	1,214.25		
Desmond FitzGerald	2,368.30	133.97	3.82		113.22	2,392.87		
Alexis H. French	1,204.92	68.16	1.95		55.72	1,219.31		
Clemens Herschel	1,198.98	67.82	1.94		117.19	1,151.55		
Edward W. Howe	1,238.93	70.08	2.00		205.87	1,105.14		
William P. Morse	2,440.52	138.05	3.94		212.10	2,370.41		
Publication	3,121.95			790.09	76.25	3,835.79		
Surveying Lectures	379.07	21.44	0.61		1.81	399.31		
Sanitary Lectures				1,753.00	757.88	995.12		
Structural Lectures	574.96			183.50	470.06	288.40		
Current	\$108,977.74	\$5,955.40	\$170.00	\$3,331.59	\$7,328.57	\$111,106.16		
Totals	1,500.00	3,284.60*		15,077.74*	18,362.34	1,500.00		
	\$110,477.74	\$9,240.00	\$170.00	\$18,409.33	\$25,690.91	\$112,606.16		

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

Cash Balance March 1, 1957	\$2,888.24	
Investment Fund	1,500.00	\$3,821.39* Transferred from Permanent Fund
Current Cash		3,284.60 Transferred from Income of Permanent Fund
Total cash	\$4,388.24	\$536.79 Transferred from principal of Permanent Fund

TABLE IV—RECORD OF INVESTMENTS—BONDS
March 1, 1956 to March 1, 1957

Bonds	Date of Maturity or Classification	Fixed or Current Interest Rate	Interest Received	Par Value	Book Value March 1, 1957	Market Value March 1, 1957
U. S. Savings Bond Ser. G	Nov. 1, 1956	2½%	\$25.00	\$1,000.00*		
U. S. Savings Bond Ser. G	May 1, 1958	2½%	100.00	4,000.00	\$4,000.00	\$4,000.00
U. S. Savings Bond Ser. G	May 1, 1960	2½%	25.00	1,000.00	1,000.00	1,000.00
U. S. of Am. Treasury Bond	June 15, 1983	3¼%	159.13	8,000.00**		
U. S. Savings Bond Ser. K	Aug. 1, 1966	2.76%	193.00	7,000.00	7,000.00	7,000.00
Columbia Gas System, Deb. Ser. D	July 1, 1979	3.50%	70.00	2,000.00	2,066.17	1,846.24
Consumers Power Co. 1st Mtge.	Sept. 1, 1975	2⅞%	43.11	3,000.00	3,140.35	2,700.00
Florida Power Corp. 1st Mtge.	July 1, 1984	3.125%	31.25	1,000.00	1,017.50	860.00
Province of Ontario	Sept. 1, 1972	3¼%	48.75	3,000.00	2,936.25	2,685.00
Public Service Elec. & Gas Co. 1st & Ref.	June 1, 1979	2⅞%	115.00	4,000.00	4,097.50	3,410.00
Southern Pacific 1st Ser. A, Oregon Lines	March 1, 1977	4.50%	90.00	4,000.00	4,191.30	3,980.00
Georgia Power Co., 1st Mtge.	Dec. 1, 1977	3.375%	168.75	5,000.00	5,162.50	4,525.00
General Motors Accept. Corp. Deb.	Sept. 1, 1975	3.625%	90.60	5,000.00	5,101.80	4,762.50
Scott Paper Co., Conv. Deb.	Mar. 1, 1971	3.00%	12.34	1,000.00	1,123.79	975.00
Tide Water Assoc. Oil Co. Deb. S.F.	Apr. 1, 1986	3.50%	35.00	2,000.00	2,032.50	1,930.00
Florida Power Corp. 1st Mtge.	July 1, 1986	3.875%	96.90	5,000.00	5,037.59	4,937.50
Superior Oil Co. Deb. S.F.	July 1, 1981	3.75%	75.00	4,000.00	4,000.00	3,920.00
Totals			\$1,379.03	\$51,000.00	\$51,907.25	\$48,531.24

*U. S. Savings Bond Series G, matured November 1, 1956.

**U. S. of America Treasury Bond sold July 30, 1956.

TABLE V—RECORD OF INVESTMENTS—STOCKS
March 1, 1956 to March 1, 1957

Stocks	Classification	Number of Shares	Dividend Received	Book Value March 1, 1957	Market Value March 1, 1957
American Tel. & Tel. Co.	Common	69	\$573.75	\$7,923.06	\$12,299.25
Consolidated Edison Co. of N. Y.	Common	50	120.00	2,556.12	2,200.00
Continental Insurance Co.	Common	136	272.00	3,483.73	7,038.00
General Electric Co. of New York	Common	150	300.00	2,341.47	8,400.00
Hartford Fire Insurance Co.	Common	26	75.75	1,472.75	3,822.00
Jewel Tea Co., Inc.	Common	30	60.00	1,442.90	1,530.00
Nat'l Dairy Products Corp.	Common	100	175.00	1,154.74	3,675.00
New England Electric System	Common	198	198.00	3,095.00	3,341.25
Pacific Gas & Electric Co.	Preferred	100	150.00	2,704.89	3,187.50
Pacific Gas & Electric Co.	Common	100	240.00	3,365.34	4,900.00
Radio Corporation of America	Preferred	20	70.00	1,720.75	1,472.50
Southern Calif. Edison Co., Ltd.	Preferred	40	96.00	1,140.24	2,100.00
Southern Calif. Edison Co.	Common	45	108.00	1,350.65	2,160.00
Standard Oil of New Jersey	Common	324	680.40	3,328.16	18,144.00
Southern Railway Co.	Preferred	75	75.00	1,136.80	1,425.00
Texas Company	Common	208	488.80	2,956.32	12,428.00
Union Carbide & Carbon Corp.	Common	100	240.00	2,958.44	10,887.50
Union Pacific Railroad	Common	220	352.00	2,473.29	6,215.00
Scott Paper Company	Common	75	138.75	4,860.86	4,500.00
Total		2,066	\$4,413.45	\$51,465.51	\$109,725.00

TABLE VI—RECORD OF INVESTMENTS—COOPERATIVE BANK
 March 1, 1956 to March 1, 1957

Cooperative Banks	Classification	Number of Shares	Dividend Received	Book Value, March 1, 1957
Suffolk Cooperative Federal Savings and Loan Association	Matured Certificate	5	\$15.00	
Suffolk Cooperative Federal Savings and Loan Association Account No. S-631	Savings Account		147.92	\$4,845.16
				Sold July 2, 1956

REPORT OF THE SECRETARY

Boston, Mass., March 20, 1957

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 20, 1957

	Account Number	Expenditures	Receipts
<i>Office</i>			
Secretary, salary & expense	(20)	\$499.69	
Treasurer's Honorarium	(21)	200.00	
Stationery, printing & postage	(22)	484.25	
Incidentals & Petty Cash	(23)	107.15	
Insurance & Treasurer's Bond	(24)	83.25	
Quarters, Rent, Lt. & Tel.	(26)	3,296.11	\$1,400.00
Office Secretary	(28)	3,851.20	
Social Security	(31)	93.90	
<i>Meetings</i>			
Rent of Halls, etc.	(40)	200.00	
Stationery, printing & postage	(41)	58.00	
Hospitality Committee	(42)	1,271.12	1,076.87
Reporting & Stereopticon	(43)	13.50	
Annual Meeting, March, 1955	(44)	814.75	647.50
<i>Sections</i>			
Sanitary Section	(45)	23.85	
Structural Section	(46)	66.87	
Transportation Section	(47)	10.00	
Hydraulics Section	(48)	20.00	
Construction Section	(49)	4.00	
Surveying & Mapping Section	(50)	12.00	
<i>Journal</i>			
Editor's salary & expense	(60)	512.88	
Printing & postage	(62)	5,121.16	
Advertisements	(64)	57.60	2,027.55
Sale of Journals & Reprints	(63)		1,328.89
<i>Library</i>			
Periodicals	(69)	73.42	
Binding	(70)	195.60	
Fines	(6)		1.52
Binding Journals for Members	(81)	12.90	12.90
Badges	(80)		18.00
Forward		\$17,083.20	\$6,513.23

	Account Number	Expenditures	Receipts
Brought forward		\$17,083.20	\$6,513.23
Bank Charges	(82)	4.85	
Miscellaneous	(84)	319.90	32.72
Engineering Societies Dues and charge for Journal Space	(88)	930.39	
Public Relations Committee	(67)	15.00	
Flood Committee	—	9.00	
Dues from B.S.C.E. Members			7,995.00
Trans. Income Perm. Fund			3,284.60
Trans. Principal			536.79
		<u>\$18,362.34</u>	<u>\$18,362.34</u>

Entrance fees to Permanent Fund \$605.00

Fifty-four New Members; 25 New Juniors; 2 New Students; 10 Juniors transferred to Member.

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 23 (Petty Cash) to be used as a fixed fund or cash on hand. \$90 withholding tax and \$45.66 Social Security which is payable to the Collector of Internal Revenue in April, 1957 is not included in the above tabulation.

ROBERT W. MOIR, *Secretary*

REPORT OF THE AUDITING COMMITTEE

Boston, Mass., March 20, 1957

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.

ERNEST L. SPENCER
GEORGE G. BOGREN

REPORT OF THE EDITOR

March 20, 1957

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

The JOURNAL was issued quarterly, in the months of April, July and October, 1956 and January, 1957 as authorized by the Board of Government on December 20, 1935.

During the year there have been published 12 papers presented at meetings of the Society and Sections.

The four issues of the JOURNAL contained 302 pages of papers and proceedings, 14 pages of Index and 51 pages of advertising, a total of 367 pages. An average of 1410 copies per issue were printed.

The cost of printing the JOURNAL was as follows:

Expenditures

Composition and printing	\$3,986.89
Cuts	845.77
Wrapping, mailing & postage	288.50
Editor	496.88
Advertising Solicitor	57.60
Copyright	16.00
	<hr/>
	\$5,691.64

Receipts

Receipts from sale of JOURNAL and reprints	\$1,328.89
Receipts from Advertising	2,027.55
	<hr/>
	\$3,356.44

Net cost of JOURNAL to be paid from Current Fund \$2,335.20

CHARLES E. KNOX, *Editor*

REPORT OF THE LIBRARY COMMITTEE

Boston, Mass., March 20, 1957

To the Boston Society of Civil Engineers:

On behalf of the Library Committee, I submit this report for the year 1956-1957.

During the year 232 books were loaned and a total of \$1.52 was collected in fines. The number of books loaned was slightly higher than that of the previous year. In addition, more use was made of the library as a source of reference material.

The following expenditures were made during the year:

Subscriptions to Periodicals	\$73.42
New Books	80.75
Binding Periodicals, including back issues of Water Supply Papers	195.60

The following books were purchased for the library:

- American Civil Engineering Practice, Volumes I and II, 1956, Robert W. Abbett.
- Biological Treatment of Sewage and Industrial Wastes, 1956, Joseph McCabe and W. W. Eckenfelder, Jr.
- Design and Practice—Foundations, 1956, Elwyn E. Seelye.
- Air Pollution Handbook, 1956, Magill, Holden & Ackley.
- Source Book of Atomic Energy, 1950, Samuel Glasstone.
- Professional Engineering Registration Laws, Alfred L. McCawley.

In addition, Professor Gordon M. Fair has donated to the library the second edition of "Sewage Treatment", which was written by Karl Imhoff and Prof. Fair.

An additional file for the U. S. Geological Survey maps has been purchased, as was recommended last year.

GEORGE M. REECE, *Chairman*

REPORT OF THE HOSPITALITY COMMITTEE

March 12, 1957

To the Boston Society of Civil Engineers:

The Hospitality Committee submits the following report for the year 1956-57:

Four regular meetings, an annual meeting, two joint meetings with the Massachusetts Section of the American Society of Civil Engineers, a Student Night meeting and a field trip were held during the year at the locations noted in the following table.

Two catered dinners were served in the Adams Room of the United Community Services Building, with an increase in attendance over similar meetings last year at each one. The attendance at collations served by this committee after meetings has decreased during the past two years, with less than half of those attending the meetings remaining for the collation.

The average attendance at all nine meetings was 117 members and guests, an increase of 17. The average attendance at the four regular meetings held at the United Community Services Building was 77, a decrease of 18 over the previous year.

ATTENDANCE AT MEETINGS

DATE	PLACE	MEETING	DINNER
Mar. 21, 1956	Hotel Vendome	43	182
Apr. 23, 1956	Faculty Club, M.I.T.	112	94
May 16, 1956	United Community Services Building	93	55
Sept. 26, 1956	Field Trip over Massachusetts Turnpike	96	90
Oct. 30, 1956	Northeastern University	386	359
Nov. 19, 1956	Mass. Inst. Technology	109	92
Dec. 19, 1956	United Community Services Building	40	*
Jan. 23, 1957	United Community Services Building	86	51
Feb. 20, 1957	United Community Services Building	89	—

*Collation served after meeting.

DAVID H. HAMILTON, *Chairman*

REPORT OF MEMBERSHIP COMMITTEE

March 20, 1957

To the Boston Society of Civil Engineers:

The Membership Central Committee held two meetings during the past year.

Membership has continued in an upward trend. As in the previous year, in cooperation with the Public Relations Committee, application forms accompanied by attractive color brochures have been sent to numerous prospective members. Particular attention has been given to recent engineering graduates employed in this area; qualified engineers in consulting offices; and members of other engineering organizations on municipal and state levels. Many individual members of the Society have cooperated in distributing applications and brochures within their organizations.

Interest in membership has received particular impetus from the presentation of the Seminar on Waste Water Treatment and Disposal by this and other Societies.

The status of new membership for the current year is as follows:

Elected to Grade of Member	54
Elected to Grade of Junior	25
Elected to Grade of Student	2
	—
Total	81

As of this date, the total membership of the Society is 1,067. There are, in addition, 18 applications on hand pending action.

JOSEPH C. LAWLER, *Chairman*

REPORT OF ADVERTISING COMMITTEE

March 20, 1957

To the Boston Society of Civil Engineers:

The Advertising Committee held one formal meeting during the year at which the problems of soliciting advertisements for the JOURNAL were discussed at considerable length. It was voted that, with the approval of the Board of Government, Mrs. Virginia S. Boudia be appointed advertising solicitor.

The following advertising has been carried on in the JOURNAL during the year:

	April	July	Oct.	Jan. (1957)
Professional Cards	37	38	38	37
½ page ads	2	1	1	1
¼ page ads	24	24	24	22
Inside Front Cover		1	1	1
Outside Back Cover		1	1	1
Full page	1			
Total Pages of Advertising	12	13	13	13

During the past year \$2,027.55 was collected from advertisers from which commissions totalling \$57.60 were paid to the solicitor.

An increase in advertising material is earnestly desired but difficult to attain. This Committee concurs with the suggestion of the 1955-56 Advertising Committee that consideration be given to inserting pages of advertising between published papers as an attraction to potential advertisers.

The Committee wishes to express its appreciation to all those who have supported the JOURNAL through advertising.

RALPH M. SOULE, *Chairman*

REPORT OF THE JOHN F. FREEMAN FUND COMMITTEE

March 18, 1957

To the Boston Society of Civil Engineers:

Mr. Lawrence C. Neale, who was a recipient of a Scholarship for travel in Europe during 1955, read a paper on it at a meeting of the Hydraulics Section in November. His final report is being completed.

Last October the Committee voted to appropriate not exceeding \$1,000.00 towards the expenses of the Seminar on Water Treatment and Disposal which is now being carried on.

Mr. Harvey B. Kinnison who has been a member of the Freeman Fund Committee since 1950 resigned last autumn, as he was leaving to take up his residence in California. At its last meeting the Board of Government appointed Thomas R. Camp to fill Mr. Kinnison's place.

HOWARD M. TURNER, *Chairman*

REPORT OF THE JOINT COMMITTEE ON LEGISLATIVE AFFAIRS

March 4, 1957

To the Boston Society of Civil Engineers:

The Joint Committee on Legislative Affairs has held many meetings during the year. Meetings were held with committees of an architects' association, of other engineering societies, and of land surveyors' associations, for the purpose of discussing proposed legislation.

The results of a poll, taken in October 1956, showed about 90 per cent of returns in favor of mandatory registration for engineers. Detailed results of said poll are as follows:

	Mass. Sec.A.S.C.E.	B.S.C.E.
Ballots sent out	1133	846
Ballots received	590	514
Results are as follows:		
In Favor		
ASCE Members	342	252
ASCE-BSCE Members	189	198
Totals	531	450
No Preference		
ASCE Members	8	14
ASCE-BSCE Members	1	1
Totals	9	16
Opposed		
ASCE Members	34	26
ASCE-BSCE Members	16	22
Totals	50	48

The principal business of the Joint Committee has been the preparation and filing of a bill to provide for mandatory registration of engineers. This bill is now identified as Senate 442. A Hearing was scheduled before Committee on State Administration on March 13, 1957. The proposed legislation closely follows the Model Law and should receive the wholehearted support of all Massachusetts engineers.

Bills before the current session of the General Court, which are of concern to civil engineers, are as follows:

Senate 442. Relating to mandatory registration, sponsored by BSCE-ASCE.

Senate 449. Relating to preparation of plans, etc., sponsored by Legislative Committee, Massachusetts State Association of Architects.

Senate 450. Relating to registration of architects, sponsored by Massachusetts State Association of Architects.

House 912. Relating to a bureau of registration for professional engineers, landscape architects, and of land surveyors, sponsored by J. R. DeNormandie.

House 1272. Relating to registration of land surveyors, sponsored by Massachusetts Association of Land Surveyors and Civil Engineers.

House 1275. Relating to award of contracts on public buildings, sponsored by Legislative Committee, Massachusetts State Association of Architects.

House 1765. Relating to Professional Status of certain engineers in the employ of the Commonwealth of Massachusetts, sponsored by Local No. 780, AFL-CIO.

The sudden passing of our Chairman, Thomas A. Berrigan, was a very great loss to the Joint Committee. Being both an engineer and lawyer, his leadership was a most valued asset.

The present membership of the Committee is James F. Brittain, Ernest A. Dockstader, Charles L. Miller, Edward Wright, and the writer.

FRANK L. HEANEY, *Chairman*

REPORT OF PUBLIC RELATIONS COMMITTEE

Boston, Mass., March 20, 1957

To the Boston Society of Civil Engineers:

The Public Relations Committee held two meetings during the past year. Besides the usual notices of society meetings contained in the JOURNAL of the Engineering Societies of New England, it has been the practice to send out bulletin board notices to be posted where they might attract the attention of society members, or others with similar interests.

Some publicity was obtained by sending notices of the meetings to the local newspapers and to various publications catering to the construction industry, particularly, "The Dodge Bulletin", "Nerba", "New England Construction", and "Gainey's Construction News Letter". In this connection it is to be noted that publications such as these are published at various intervals, and to obtain satisfactory coverage it is necessary to have the material available a considerable period of time in advance of the event.

It is therefore recommended that efforts be made to establish as close a relationship as possible between the Board of Government and the Public Relations Committee, in order that the latter might have all the data pertinent to the events being planned at the earliest possible moment.

THOMAS C. COLEMAN, *Chairman*

REPORT OF THE EXECUTIVE COMMITTEE OF THE SANITARY SECTION

February 13, 1957

To the Sanitary Section, Boston Society of Civil Engineers

1. March 7, 1956. Annual Meeting. The following officers and members of the Executive Committee were elected:

Darrell A. Root	Chairman
John F. Flaherty	Vice-Chairman
Clair N. Sawyer	Clerk
Joseph C. Knox	Executive Committee
Harold A. Thomas, Jr.	Executive Committee
George M. Reece	Executive Committee

Speaker of the evening was Mr. Richard Hazen who discussed "Competitive Water Uses: Sanitary Engineering Aspects". Eighty members and guests attended the meeting and thirty members and guests attended the informal dinner at Pat-ten's.

2. May 2, 1956. Joint Meeting with Hydraulics Section was held at Hydrodynamics Laboratory at M.I.T. Prof. A. T. Ippen and D. R. F. Harleman presented discussions of "Density Current Problems in Hydraulic and Sanitary Engineering". Interesting laboratory demonstrations were part of the program. Fifty-eight members and guests were in attendance...

3. May 16, 1956. Joint Meeting with B.S.C.E. and Massachusetts Section of ASCE. Mr. E. Sherman Chase gave a talk on "Some Experiences of a Sanitary Engineer as an Expert Witness". Ninety-three members and guests were present and fifty-five were present at an informal dinner.

4. June 12, 1956. Joint Meeting with Hydraulics Section. Mr. Langdon Pearse gave an illustrated talk on "Development and Operations of the Sanitary District of Chicago". Seventy-five members were present at the meeting and twenty-five at the dinner.

5. October 3, 1956. Regular meeting of the Sanitary Section. Mr. Ariel A. Thomas spoke on the "Raritan River Project". Fifty-two were present at the meeting and fourteen at the informal dinner.

6. December 19, 1956. Joint Meeting with BSCE. Prof. Harold A. Thomas, Jr. gave an illustrated talk on his recent trip to Europe and Brazil.

A nominating committee consisting of John S. Bethel, Jr., E. W. Moore and F. M. Cahaly was elected and directed to present a slate of officers and members of Executive Committee at the Annual Meeting of the Section to be held March 6, 1956. Forty members and guests were in attendance.

Total attendance at the six meetings was 398 or an average per meeting of 66.

Four meetings of the Executive Committee were held during the year.

The section in cooperation with the Massachusetts Section of the American Society of Civil Engineers and the Eastern Massachusetts Association of Professional Engineers and Land Surveyors sponsored a seminar on Waste Water Treatment and Disposal consisting of a series of 12 lectures on selected topics by authorities in the field. A total of 277 persons registered for the seminar and average attendance at the first six lectures was 159. Facilities for accommodating the large numbers at meetings were provided at the Public Works Building of the Commonwealth of Massachusetts through the courtesy of Commissioner Carl A. Sheridan.

The subjects of discussion and speakers at the seminar meetings were as follows:

Date	Subject	Lecturer
Jan. 8	Concepts and Functional Outline of Treatment Processes	Prof. G. M. Fair
Jan. 14	Fluid Mechanics Applied to Waste Treatment Problems	Mr. T. R. Camp
Jan. 21	Sedimentation-Flotation (Including Pretreatment Process: Screens, Grit Chambers)	Mr. F. L. Flood
Jan. 28	Hydrology and Oxygen Economy in Stream Purification	Prof. H. A. Thomas, Jr.
Feb. 4	Sludge and Treatment Disposal	Mr. R. S. Rankin
Feb. 11	Disinfection and Chlorination for Control	Prof. R. Eliassen
Feb. 18	Pumps, Measuring Devices, Hydraulic Controls	Mr. A. J. Burdoin
Feb. 25	Water-borne Trade Wastes of New England	Prof. E. W. Moore
Mar. 4	Biochemistry and Bilogy in Waste Water Treatment	Prof. R. E. McKinney
Mar. 11	Biological Treatment Processes	Prof. R. E. McKinney
Mar. 18	Hydraulic Problems of Ocean Disposal	Mr. Frank L. Heaney
Mar. 25	Pollution Control Practice in an Expanding Economy	Mr. E. J. Cleary

CLAIR N. SAWYER, *Clerk*

**REPORT OF THE EXECUTIVE COMMITTEE
OF THE STRUCTURAL SECTION**

Boston, Mass, March 13, 1957

To the Structural Section, Boston Society of Civil Engineers:

Nine meetings of the Structural Section were held during the year as follows:

April 11, 1956.—Dr. T. William Lambe, Associate Professor and Director of Soil Stabilization Laboratory, Massachusetts Institute of Technology, spoke on "The Storage of Oil in an Earth Reservoir." Attendance 30.

May 9, 1956.—Mr. Ralph Riddle, Bethlehem Steel Company presented films and a short talk on the rolling of steel plates and shapes and on the Chesapeake Bay Bridge. Attendance 26.

October 10, 1956.—Mr. Richard C. Kasser, Structural Section of the Sales Development Division, Aluminum Company of America, spoke on the subject "Structural Aluminum—Past, Present and Future." Attendance 37.

November 14, 1956.—Dr. Harl P. Aldrich, Assistant Professor of Soil Mechanics, Massachusetts Institute of Technology, spoke on the subject of problems encountered in the design of oil tank foundations. Attendance 45.

December 5, 1956.—Mr. Howard Simpson, Associate Professor of Structural Engineering, Massachusetts Institute of Technology, presented an illustrated paper on "The New A.C.I. Code—Its Implications and Ramifications." Attendance 88.

January 9, 1957.—Dr. Karl Terzaghi, Professor Emeritus of Civil Engineering, Harvard University, delivered an illustrated talk on the design and construction of the Vermillion Dam across Mono Creek in California. Attendance 97.

January 23, 1957.—Joint meeting with the Main Society. Mr. Robert J. Basso, Corps of Engineers; Mr. Frank L. Lincoln, Fay, Spofford & Thorndike, Inc. presented talks on "Renovations to the South Boston Army Base." Attendance 86.

February 13, 1957.—Mr. Nelson Aldrich, A.I.A. of Campbell and Aldrich spoke on the subject "Interdependence of the Engineer and Architect with some Observations on the Aesthetics of Structures." Attendance 40.

March 13, 1957.—Dr. Lauritz Bjerrum, Director of the Norwegian Geotechnical Institute; Visiting Professor at the Massachusetts Institute of Technology gave an illustrated talk on "Norwegian Experiences with Foundations on Steel Piles." Attendance 72.

The total attendance for the year was 521; average attendance 58.

RICHARD W. ALBRECHT, *Clerk*

REPORT OF THE EXECUTIVE COMMITTEE OF THE HYDRAULIC SECTION

February 13, 1957

To the Hydraulic Section, Boston Society of Civil Engineers:

The following meetings were held during the past year.

May 2, 1956.—A joint meeting of the Hydraulic and Sanitary Sections was held at the Hydrodynamics Laboratory of the Massachusetts Institute of Technology. Professors A. T. Ippen and D. R. F. Harleman presented a program under the title "Density Current Problems in Hydraulic Engineering." A discussion of related problems of density currents and jet mixing was followed by laboratory demonstrations of these phenomena. Attendance 58.

June 12, 1956.—A special joint meeting of the Hydraulic and Sanitary Sections was held at the Society Rooms. Mr. Langdon Pearse, Sanitary Engineer of the Metropolitan Sanitary District of Chicago spoke on the subject "Seventh Engineering Wonder of America—The Metropolitan Sanitary District of Chicago." He described the founding of the Sanitary District and gave an illustrated commentary on the Sewage Treatment Works in Chicago. Attendance 75.

November 2, 1956.—A meeting was held in the Society Rooms at which Mr. Lawrence Neale of the Alden Hydraulic Laboratory of Worcester Polytechnic Institute spoke. Mr. Neale held the BSCE Freeman Fellowship for the year 1955 and he described his experiences with an illustrated lecture entitled "European Hydraulic Laboratories and Hydraulic Practice in 1955." Attendance 31.

November 19, 1956.—A joint meeting of the Massachusetts Section of the American Society of Civil Engineers, the Boston Society of Civil Engineers and the Hydraulic Section of the BSCE was held in the Graduate House of M.I.T. Professor Saul Nemyet spoke on the subject "Use of Analogue and Digital Computers in Civil Engineering." The meeting was preceded by a late afternoon visit to the Computer Laboratory in the M.I.T. Barta Building. Attendance 109.

February 6, 1957.—The Annual Meeting and Election of Officers for the Hydraulic Section was held in the Society Rooms. Elected officers for 1957 are:

Chairman	Clyde M. Hubbard
Vice Chairman	James W. Dally
Clerk	Lee G. M. Wolman
Executive Committee	John B. McAleer
	Robert S. Kleinschmidt
	Lawrence E. Neale

Mr. W. Rheingans, Manager of the Hydraulic Department of the Allis Chalmers Manufacturing Co., Milwaukee, Wisconsin gave an illustrated discussion of the topics of "Pump Storage Systems and Pump-Turbines" and "Cavitation." Attendance 88.

The total attendance for the year was 361; the average 72.

JAMES W. DALLY, *Clerk*

REPORT OF THE EXECUTIVE COMMITTEE OF THE SURVEYING AND MAPPING SECTION

Boston, Mass., February 15, 1957

*To the Surveying and Mapping Section
Boston Society of Civil Engineers:*

The following meetings of the Surveying and Mapping Section, Boston Society of Civil Engineers were held during the past year:

April 4, 1956.—Charles L. Miller, Asst. Prof. of Surveying at Massachusetts Institute of Technology spoke on "Some New Conceptions and Old Misconceptions of Photogrammetry". Attendance—52.

October 30, 1956.—Father Daniel J. Linehan, Director of the Seismological Observatory, Weston College, gave a very interesting illustrated talk on "Science Studies the Antarctic". This was a joint meeting with the Main Society and the Mass. Section of the American Society of Civil Engineers. Attendance—359.

February 14, 1957.—Commander Kenneth S. Ulm, Boston District Officer of the Coast & Geodetic Survey, gave a talk on the General Functions of the Coast & Geodetic Survey, and showed a film on "Tides and Currents". Attendance—39.

Total attendance—450; average attendance—150.

GEORGE A. MCKENNA, *Clerk*

REPORT OF THE EXECUTIVE COMMITTEE OF THE TRANSPORTATION SECTION

Boston, Mass., March 12, 1957

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

The Transportation Section of the B.S.C.E. held four meetings during the 1956-1957 season as follows:

February 20, 1956.—Joint meeting with Massachusetts Section of the American Society of Civil Engineers. Col. S. H. Bingham spoke on "Transportation for Greater Metropolitan Areas". Attendance—150 members and guests.

April 26, 1956.—Russell Ziegenfelder, partner of the consulting engineering firm of Parsons, Brinckerhoff, Hall & McDonald of New York, presented an engineering report on "Regional Rapid Transit for the Nine Counties Surrounding San Francisco Bay". Attendance—38.

September 28, 1956.—A field trip was conducted by the Massachusetts Turnpike Authority over the Toll Road from Route 128 to Sturbridge. Attendance—128 members and guests.

November 28, 1956.—This meeting was not held because of a conflict in dates with the A.A.S.H.O. meeting being held at Atlantic City.

March 11, 1957.—This meeting was postponed from February 26, 1957 because of the conflict in dates with the North Atlantic States Highway Officials meeting.

Annual Meeting. Officers for the ensuing year were elected.

Chairman	Paul A. Dunkerley
Vice-Chairman	Leo F. DeMarsh
Clerk	Marcello J. Guarino
Executive Committee	Robert A. Snober Joseph W. Lavin James W. Kelley

James T. Shotwell, Chief of Design Committee of the Urban Section of the Bureau of Public Roads spoke on "Federal Aid Highway Program". Attendance—56 members and guests.

The average attendance per meeting for the year was 93.

While it is recognized that highway transportation is not the sole interest of this Section, it is a major interest and must be given due consideration. Your Committee has found that the present dates allowed for the November and February meetings conflict with major national and sectional meetings of state highway officials. It is recommended that the Transportation Section be given new dates for these meetings which will eliminate this conflict, and at the same time, not conflict with other activities of the Society.

LEO F. DEMARSH, *Clerk*

REPORT OF EXECUTIVE COMMITTEE OF THE CONSTRUCTION SECTION

Boston, Mass., February 4, 1957

To the Construction Boston Society of Civil Engineers:

The following meetings were held during the year:

October 17, 1956.—Mr. George H. McDonnell, President of Tighe & Bond of Holyoke, Mass., spoke on the "Construction of the Manham Dam". Attendance was 34.

January 30, 1957.—Mr. Donald E. McElman and Mr. Peter S. Milinazzo of the Perkins Milton Company presented a film showing construction on the St. Lawrence Seaway Project and discussed the economy of the D-9 bulldozer. Attendance was 39.

The total attendance was 73; average attendance 37.

ALBERT A. ADELMAN, *Acting Clerk*