

ANNUAL REPORTS

REPORT OF THE BOARD OF GOVERNMENT 1974-1975

*To the Boston Society of Civil Engineers Section,
American Society of Civil Engineers:*

Pursuant to the requirements of the By-Laws the Board of Government presents its report for the year ending April 30, 1975.

The following is a statement of membership in the Section:

Honorary	9
Assigned ASCE members	1997
Subscribers:	
Members	1135
Associate Members	470
Student Chapters	9

Summary of Additions

New Members	84
New Associate Members	34

Summary of Transfers

Associate to Member	1
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Summary of Loss of Members

Deaths	9
Resignations	15
Dropped	244

Life Memberships

Life Members	201
Members becoming eligible for Life Membership April 30, 1975	13

Honorary Membership is as follows:

John B. Babcock 3rd	elected	January 2, 1969
Charles O. Baird, Jr.	elected	January 2, 1969
Arthur Casagrande	elected	February 1, 1965
Ralph W. Horne	elected	February 1, 1965
Karl R. Kennison	elected	February 7, 1951
George R. Rich	elected	March 19, 1973
Howard M. Turner	elected	February 18, 1952
Frederick N. Weaver	elected	February 1, 1965
John A. Volpe	elected	January 29, 1968

The following members have been lost through death:

Reuben M. Haines	June 1974
James F. Haley	March 1975
Emil C. Hervol	March 1974
A. J. Knight	June 1974
Donald E. Lawler	June 1974
David Mathoff	April 1974
George T. Rooney	April 1974
Edwin H. Roy	June 1974
Frank T. Westcott	January 1974

MEETINGS OF THE SECTION

April 17, 1974	Final Annual Meeting of SBCE (held jointly with final meeting of Massachusetts Section ASCE)-Address of Retiring BSCE President, Max D. Sorota. "The Challenge of our Profession", and address of Retiring Mass Section ASCE President, Ronald C. Hirschfeld, "Engineering Education."
May 14, 1974	Joint with Transportation Group - "FHWA's Approach to Multi-Modal Transportation", speaker, Lester P. Lamm.
September 11, 1974	Joint with Geotechnical Group - "Instability of Slopes and Fills upon Overconsolidated Clay", speaker, Victor Milligan.
October 23, 1974	Joint with Hydraulics Group - "The Bear Swamp Storage Project", speakers, Messrs. David Campbell and Robert Kwiatowski.
November 20, 1974	Joint with Computer Group - "Computers and Engineering - Progress and Promises", speaker, C.L. Miller.
December 11, 1974	Joint with Structural Group - "Fast Track Design and Construction", by Kenneth Leach, Robert Catella and Donald Reed.
January 8, 1975	Joint with Construction Group - "Construction Management, an Evolving Concept", by Kenneth Parker.
January 28, 1975	Annual Student Night - "The Economy and You", speaker, Dr. James M. Howell.
February 19, 1975	Joint with Transportation Group - "Transportation Policies in Massachusetts", by Hon Frederick P. Salvucci.
April 2, 1975	Joint with Environmental Group - "Safe Drinking Water Act - 1974", by Steve Lathrop.
April 30, 1975	Annual Meeting - Address of Retiring President, Thomas K. Liu, "BSCES Plus One".

MEETING PLACES AND ATTENDANCE

Date	Place	Attendance
April 17, 1974	57 Restaurant	165
May 14, 1974	Nick's Restaurant	31
September 11, 1974	Harvard University	42
October 23, 1974	Mass. Institute of Technology	44
November 20, 1974	Mass. Institute of Technology	40
December 11, 1974	Mass. Institute of Technology	40
January 8, 1975	Playboy of Boston	28
January 28, 1975	Tufts University	210
February 19, 1975	Nick's Restaurant	92
April 2, 1975	Playboy of Boston	35
April 30, 1975	Museum of Science	175

The Technical Groups of the Section also held many other meetings during the year. Annual reports of the various groups are presented at the Annual Meeting of the Section and are published in the Journal.

PERMANENT FUND*

The Permanent Fund was established under the Bylaws, Article 10, and is the recipient of all money received as entrance fees. Under certain circumstances income of the Permanent Fund may be transferred to the Current Fund. However, no such transfer was made this year. The Treasurer's report gives details of the year's transactions. Book value of the fund as of February 28, 1975, was \$74,113.85.

FUNDS ESTABLISHED BY GIFT OR BEQUEST
TO THE BOSTON SOCIETY OF CIVIL ENGINEERS*

JOHN R. FREEMAN FUND. In 1925 the late John R. Freeman, a Past President and Honorary Member of the Boston Society of Civil Engineers, 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 the hydraulic science or art; or a portion to 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. Total charges against this Fund during the year were \$896.10.

EDMUND K. TURNER FUND. In 1916 the Society received a bequest of \$1,000 from Edmund K. Turner, a former member, the income of which is to be used for Library purposes. Charges against this Fund during the year were \$21.79.

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 Past President of the Society. The income of this fund is 'to be devoted to the Library of the Society'. Charges against this Fund during the year were \$21.56.

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

CLEMENS HERSCHEL FUND. This Fund was established in 1931 by a bequest of \$1,000 from the late Clemens Herschel, a 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." Charges against this Fund during the year were \$71.68.

DESMOND FITZGERALD FUND. The Desmond Fitzgerald Fund, established in 1910 by 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 use the income of this Fund to establish a Boston Society of Civil Engineers' Scholarship in Memory of Desmond Fitzgerald, and that it be given to a student in Civil Engineering at Northeastern University". This year it was voted "to accept the recommendation of the Committee at Northeastern University, namely, that the scholarship of \$200 be given to Richard deMello. Presentation to be made at the Annual Meeting of the Section on April 30, 1975." Other charges against this Fund totalled \$40.52 during the year.

EDWARD W. HOWE FUND. This fund, a bequest of \$1,000, was received in 1933 from the late Edward W. Howe, a Past President of the Society. No restrictions were placed on the use of this bequest, but the recommendations 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". Charges against this Fund during the year were \$23.83.

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 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 the committee appointed by the President, the Board voted on April 5, 1954 "to appropriate from the income of this Fund a Scholarship to be known as the Boston Society of Civil Engineers Scholarship in Memory of William P. Morse, and that it be given to a Civil Engineering student at Tufts University". This year it was voted "to accept the recommendation of the Committee at Tufts University, namely, that the scholarship of \$200 be given to Gary W. Weil, presentation to be made at the Annual Meeting of the Section on April 30, 1975". Other charges against this Fund totalled \$37.18 during the year.

FRANK B. WALKER FUND. This Fund, a bequest of \$1,000, was received in 1961 from Mary H. Walker, wife of Frank B. Walker, a Past President of the Society. No restrictions were placed on the use of this bequest, but the recommendation of the Board of Government was "that this fund be kept intact and that the income be used for the benefit of the Society or its members." Charges against this Fund during the year were \$10.75.

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 B.S.C.E. only are eligible for the Award. No award was made this year. Charges against this Fund during the year were \$176.11.

THOMAS R. CAMP FUND. This Fund, a bequest of \$10,000, was received January 15, 1971, from the Directors of Camp, Dresser & McKee, Inc., to establish the Thomas R. Camp Fund, the income to be used to support an annual Thomas R. Camp lecture or lectures on outstanding recent developments or proposed or completed research in the sanitary engineering field. The income from the fund, over and above that needed to support the annual lecture should be added to the fund, but could be used otherwise at the discretion of the Board of Government of the Boston Society of Civil Engineers. Charges against this Fund during the year were \$935.90.

LECTURE FUND. The Lecture Fund was established in 1969 for the purpose of providing money for special lectures sponsored by the Society. The book value of this Fund at the end of the fiscal year was \$5,119.05. Charges against this fund during the year were \$35.79.

KARL R. KENNISON FUND. This fund is comprised of two irrevocable trusts established in behalf of the Society by Karl R. Kennison. These trusts consist of shares of the Massachusetts Fund, the Massachusetts Company, Inc., trustee. On February 28, 1975, these trusts included the following:

Trust#4315	Market Value - \$3,263.35
Trust#4444	Market Value - \$4,721.88

After Mr. Kennison's death the net income shall be paid to the Society for a Hydraulic Lectureship Fund to be used for various public lectures on this subject, and the Board may withdraw the principal on written demand or make such changes in the use of the Fund as it may determine are warranted.

PRIZES

A number of prizes and awards were recommended for presentation at the Annual Meeting. For the list of awards and recipients, refer to the minutes of the Annual Meeting.

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 are presented at the Annual Meeting April 30, 1975.

Your Board wishes to express its appreciation of the excellent work done by the officers of the Groups and by the Committees of the Section.

Thomas K. Liu
President

**BOSTON SOCIETY OF CIVIL ENGINEERS SECTION
AMERICAN SOCIETY OF CIVIL ENGINEERS**

Report of the Secretary

FOR THE FISCAL YEAR ENDING FEBRUARY 28, 1975

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.

	EXPENDITURES	RECEIPTS
1. OFFICE ACCOUNT		
Rent & Services	\$6,818.74	
Gross Salaries	10,118.00	
Social Security, Sales & other taxes	976.08	\$ 0.62
Stationery, Printing & Postage	6,925.89	
Committee Expense	244.52	
Miscellaneous	2,151.47	225.00
Capital Costs	1,323.23	
2. MEETINGS ACCOUNT		
Annual Meeting & Dinner Dance	5,197.63	4,868.50
Technical Groups	2,511.30	2,681.35
3. PUBLICATIONS ACCOUNT		
Journal	13,133.76	
Forum	3,029.30	
E.S.N.E.	289.00	
Ads - Journal & Forum		4,512.00
Sales of Journal		2,349.11
Soil Mechanics		252.00
Reprints		692.54
Miscellaneous	18.00	
4. OTHER		
Dues		25,254.50
Reimbursement from ASCE National		3,000.00
Transfer Balance Mass. Section		7,227.03
Transfer 1/2 Income Continuing Education		286.21
Balance from 1973 Bills Payable Reserve		<u>2,600.00</u>
	<u>\$52,736.92</u>	<u>\$53,948.86</u>
Reserve for 1974 Bills Payable	1,211.94	
Totals	<u>\$53,948.86</u>	<u>\$53,948.86</u>

Entrance Fees to Permanent Fund = \$295.00

The above receipts have been paid to the Treasurer whose receipt the Secretary holds. The Secretary holds cash amounting to \$30.00 to be used as a fixed fund for cash on hand.

Respectfully submitted,
Harold S. Glenzel, Secretary
April 30, 1975

**BOSTON SOCIETY OF CIVIL ENGINEERS SECTION
AMERICAN SOCIETY OF CIVIL ENGINEERS**

Report of the Treasurer

Fiscal Year March 1, 1974 to February 28, 1975

FINANCIAL STANDING

The financial standing of the Section is summarized in the following four tables which accompany this report. The tables represent conditions as they existed at the close of business on February 28, 1974.

TABLE I	Condensed Statement of Condition (Assets; Liabilities and Funds.)
TABLE II	Condensed Statement of Income and Expenditures, Distribution of Funds.
TABLE III	Portfolio of Investments.
TABLE IV	Income and Yield from Investments.

SOCIETY INVESTMENTS

The Boston Safe Deposit and Trust Company continues to provide us with investment management and custodian services for the portfolio of securities owned by the Section, and has furnished us with a certified audit of the list of securities.

The Investment Division of the Boston Safe Deposit and Trust Company reviews our portfolio of securities periodically. No recommendations for changes were made this year.

The general policy for handling the portfolio continues to be reasonable income consistent with maintenance of principal including reasonable growth rate.

AUDIT

The Auditing Committee has reviewed the Treasurer's account book, bills paid by the Treasurer, receipts from the Secretary, the Savings Banks Passbooks, the Checkbook, and the certified audit of the list of investments of the Section. The information contained in this report has been verified.

*INVESTMENT FUNDS INCOME ACCOUNT
(Boston Safe Deposit & Trust Co., Custodian)*

	<i>Debit</i>	<i>Credit</i>	<i>Balance</i>
Balance March 1, 1974			\$688.46
Custodian Service Charge	\$1,254.04		
Transfer to B.S.C.E.S.	2,500.00		
Dividends from stock		\$8,329.97	
Interest from Bonds		\$2,651.24	
Total	\$3,754.04	\$10,981.21	
Balance Feb. 28, 1975			\$7,915.63

INVESTMENT FUNDS PRINCIPAL ACCOUNT*(Boston Safe Deposit & Trust Co., Custodian*

	<i>Debit</i>	<i>Credit</i>	<i>Balance</i>
Balance March 1, 1974			\$398.49
- Capital Gain Distribution on			
500 Sh. B.F. Saul Stock		\$84.50	
Total	\$0.00	\$84.50	
Balance Feb. 28, 1975			\$482.99

SAVINGS ACCOUNT*(First Fed. Savings & Loan Assoc. of Boston)*

This account is used as a temporary investment for cash available for investment and for excess balance in the checking account, providing additional income while being available for operating purposes.

	<i>Debit</i>	<i>Credit</i>	<i>Balance</i>
Balance March 1, 1974			\$964.61
Transfer from Custodian Acct.		\$2,500.00	
Interest Received		181.48	
Total	\$0.00	\$2,681.48	
Balance Feb. 28, 1975			\$3,646.09

SAVINGS ACCOUNT*(Union Warren Savings Bank)*

This account was transferred subsequent to the merger from the former Mass. Section, A.S.C.E. and represents money available for student loans.

	<i>Debit</i>	<i>Credit</i>	<i>Balance</i>
Balance Nov. 8, 1974			\$2,903.09
Interest Received		\$52.54	
Total	\$0.00	\$52.54	
Balance Feb. 28, 1975			\$2,955.63

CURRENT FUND ACCOUNT

This is the operating account of the Section. The account is provided with a balance of \$3,000 on March 1 of each year, to insure that operations may be carried on until regular income is received.

	<i>Debit</i>	<i>Credit</i>	<i>Balance</i>
Balance March 1, 1974			\$3,000.00
Office Expense including Salaries	\$28,557.93*		
Meetings Expense	7,708.93*		
Publications Expense	16,470.06*		
Received from Secretary		\$51,062.65*	
Transfer ½ Income Contin. Ed. Acct.		286.21	
Credit for 1973 Bills Payable (1)		2,600.00	
Reserve for 1974 Bills Payable	1,211.94		
Total	\$53,948.86	\$53,948.86	
Balance Feb. 28, 1975 Current Fund			\$3,000.00

(1) Actually, this represents outstanding obligations from the previous fiscal year, so that this year's Publication Expense would only be \$13,870.06 if costs had been charged against the reserve rather than the account.
Gain in Fiscal Year 1974-75—\$1,211.94.

*The membership and other interested persons are referred to the report of the Secretary for a detailed breakdown of the income and expense of the Current Fund.

PERMANENT FUND

The Permanent Fund receives income from its prorated portion of interest and dividends from investments, and pays its portions of service charges to the Custodian Bank. Receipts from entrance fees are credited to the principal of this fund.

	<i>Debit</i>	<i>Credit</i>	<i>Book Value</i>
Book Value March 1, 1974			\$69,745.14
Custodian Service Charges	\$516.52		
Interest & Dividends		\$4,590.23	
Entrance Fees		295.00	
Total	\$516.52	\$4,885.23	
Book Value Feb. 28, 1975			\$74,113.85

This year the Permanent Fund received approximately 41% of the income from Interest & Dividends as its share. Next year it will also receive about 41%.

JOHN R. FREEMAN FUND

The Freeman Fund receives income from its prorated portion of interest and dividends from investments, and pays its portion of Service charges of the Custodian Bank. The cost of the Freeman Lecture is paid from this fund.

	<i>Debit</i>	<i>Credit</i>	<i>Book Value</i>
Book Value March 1, 1974			\$56,716.71
Custodian Charges	\$416.15		
Interest & Dividends		\$3,705.87	
Freeman Lecture Expense	479.95		
Total	896.10	\$3,705.87	
Book Value February 28, 1975			\$59,526.48

THOMAS R. CAMP FUND

The Camp Fund receives income from its prorated portion of interest and dividends from investments, and pays its portion of service charges of the Custodian Bank. The costs of the Camp Memorial Lecture are paid from this fund.

	<i>Debit</i>	<i>Credit</i>	<i>Book Value</i>
Book Value March 1, 1974			\$11,444.05
Custodian Service Charges	\$83.91		
Interest & Dividends		\$747.40	
Camp Lecture Expense	851.99		
Total	\$935.90	\$747.40	
Book Value February 28, 1975			\$11,255.55

BORING DATA FUND

No expenditures were made from this fund this year, as no work was done on sorting and collating the Boring Data into publishable form.

Balance March 1, 1974	\$1,566.11
Received from Sale of books	10.00
Balance February 28, 1975	\$1,576.11

OTHER ASSETS

The Section owns no real estate, and rents its office space. It owns office furniture and equipment for a one room office. The value of this furniture and equipment is not included in this report.

OTHER FUNDS

The members and other interested persons are referred to the Report of the Board of Government for information concerning the remaining funds, and for their purposes.

Table II gives a summary of Income, Receipts, and Expenditures of all funds.

Respectfully Submitted
Joseph F. Willard, Treasurer

TABLE I
CONDENSED STATEMENT OF CONDITION
ASSETS—LIABILITIES AND FUNDS
February 28, 1975

ASSETS	BOOK VALUE		MARKET VALUE	
	2-28-75	2-28-74	2-28-75	2-28-74
First National Bank of Boston (Checking Acct.)	\$ 2,964.11	\$ 4,417.58	\$ 2,964	\$ 4,418
Boston Safe Dep. & Tr. Co. (Custodian Acct.)				
Bonds	52,684.69	52,684.69	37,896	41,023
Stocks	118,832.23	118,832.23	121,871	151,605
Cash Balance in Custodian Acct.	8,398.62	1,086.95	8,399	1,087
First Federal Savs. & Loan Assoc. Bos.	3,646.09	964.61	3,646	965
Union Warren Savings Bank	2,955.63	—	2,956	—
Cash	30.00	30.00	30	30
Total Assets	\$189,511.37	\$178,016.06	\$177,762	\$199,128
LIABILITIES AND FUNDS.				
Permanent Fund	\$ 74,113.85	\$69,745.14	\$ 69,246	\$ 78,350
John R. Freeman Fund	59,526.48	56,716.71	55,616	63,800
Edmund K. Turner Fund	3,118.63	2,946.63	2,914	3,317
Desmond Fitzgerald Fund	5,794.80	5,672.45	5,414	6,360
Alexes H. French Fund	3,084.63	2,914.51	2,882	3,270
Clemens Herschel Fund	2,021.59	1,966.85	1,889	2,210
Edward W. Howe Fund	3,408.30	3,220.34	3,184	3,630
William P. Morse Fund	5,318.31	5,222.22	4,969	5,860
Frank B. Walker Fund	1,538.65	1,453.78	1,438	1,630
Ralph W. Horne Fund	4,564.82	4,455.29	4,265	5,010
Lectures Fund	5,119.05	4,836.73	4,783	5,430
Thomas R. Camp Fund	11,255.55	11,444.05	10,516	12,840
SUB TOTAL Invest. Funds	\$178,864.66	\$170,594.70	\$167,116	\$191,707
Contin. Education Fund	286.20		286	
Boring Data Fund	\$ 1,576.11	\$ 1,566.11	\$ 1,576	\$ 1,566
Current Fund	3,000.00	3,000.00	3,000	3,000
Secretary's Change Fund	30.00	30.00	30	30
Taxes Withheld	348.21	225.25	348	225
Student Loan Fund	4,194.25	—	4,194	—
Reserves for 1974 Bills Payable	1,211.94	2,600.00	1,212	2,600
TOTAL LIABILITIES AND FUNDS	\$189,511.37	\$178,016.06	\$177,762	\$199,128

TABLE II
CONDENSED STATEMENT OF INCOME AND EXPENDITURES—DISTRIBUTIONS OF FUNDS
Fiscal Year March 1, 1974 through February 28, 1975

FUND	INCOME AND RECEIPTS			EXPENDITURES		Transfers from Funds	BOOK VALUE Feb. 28, 1974
	BOOK VALUE Mar. 1, 1974	Interest Dividends	Receipts	Transfer Funds (Entrance Fees)	Custodian Service Charges		
Permanent Fund	\$ 69,745.14	\$ 4,590.23	\$ 295.00		\$ 516.52		\$ 74,113.85
John R. Freeman Fund	\$ 56,716.71	\$ 3,705.87			416.15	\$ 479.95	59,526.48
Edmund K. Turner Fund	2,946.63	193.49			21.79		3,118.63
Desmond Fitzgerald Fund	5,672.45	362.87			40.52	200.00	5,794.80
Alexis H. French Fund	2,914.51	191.68			21.56		3,084.63
Clemens Herschel Fund	1,966.85	126.42			14.13	57.55	2,021.59
Edward W. Howe Fund	3,220.34	211.79			23.83		3,408.30
William P. Morse Fund	5,222.22	333.27			37.18	200.00	5,318.31
Frank B. Walker Fund	1,453.78	95.62			10.75		1,538.65
Ralph W. Horne Fund	4,455.29	285.64			31.91	144.20	4,564.82
Lectures Fund	4,836.73	318.11			35.79		5,119.05
Thomas R. Camp Fund	11,444.05	747.40			83.91	851.99	11,255.55
SUB TOTAL Investment Funds	\$170,594.70	\$11,162.69	\$295.00		\$1,254.04	\$1,933.69	\$178,864.66
Boring Data Fund	1,566.11		10.00				1,576.11
Contin. Education Fund			1,845.00				286.20
Student Loan Fund			6,194.25	Tfr. From Mass. Sect.		286.21 to Current	4,194.25
Current Fund	3,000.00		51,062.65	286.21 *			3,000.00
Received Inc. from Contin. Ed.							1,211.94
Reserve for Bills Payable	2,600.00					*	30.00
Secretary's Change Fund	30.00						348.21
Taxes Withheld	225.25		348.21			225.25	
Total	\$178,016.06	\$11,162.69	\$59,755.11	\$286.21	\$1,254.04	\$58,168.45	\$189,511.37

* Reserves included in Current Fund

TABLE III
PORTFOLIO OF INVESTMENTS

BONDS	BOOK VALUE		MARKET VALUE	
	2-28-75	3-1-74	2-28-75	3-1-74
Assoc. Invest. Co. 5½-79, Deb.	\$ 6,000	\$ 6,000	\$ 4,868	\$ 5,190
Flintkote Co. 4½-81, Deb.	10,450	10,450	8,262	8,112
Florida Power Corp. 3½-84, 1st. Mort.	1,018	1,018	610	658
Florida Power Corp. 3½-86, 1st. Mort.	5,038	5,038	3,038	3,363
Georgia Power Corp. 3½-77, 1st. Mort.	5,154	5,154	4,087	4,237
Marine Midland Corp. 3½-77, 1st. Mort.	5,000	5,000	3,381	3,450
Montreal Quebec Imp. 6%-87, Deb.	10,075	10,075	7,425	8,125
Orange and Rockland 6½-97, 1st. Mort.	9,950	9,950	6,225	7,888
Total	\$52,685	\$52,685	\$ 37,896	\$ 41,023
PREFERRED STOCK				
International Tel. & Tel.	\$ 1,534	\$ 1,534	\$ 5,457	\$ 7,490
COMMON STOCK				
American Tel. & Tel.	\$ 4,332	\$ 4,332	\$ 12,594	\$ 13,094
Clark Equipment Co.	12,287	12,287	11,000	15,500
General Motors Corp.	9,131	9,131	6,630	8,585
Boise Cascade	9,802	9,802	2,610	3,002
Illinois Power Co.	11,591	11,591	5,500	6,393
Int. Business Machines	11,803	11,803	13,577	14,986
McGraw Edison Co.	14,211	14,211	5,150	7,900
B. F. Saul Real Estate Invest. Trust	10,500	10,500	1,750	5,563
New England Electric System	7,505	7,505	6,086	7,742
Newmont Mining Corp.	12,549	12,549	10,562	16,750
Exxon	1,977	1,977	15,475	16,725
Texaco	1,516	1,516	12,331	13,275
Warner Lambert Pharm. Co.	9,937	9,937	13,050	14,300
W.R. Grace & Co.	156	156	99	100
Total	\$117,297	\$117,297	\$116,414	\$144,115
SAVINGS ACCOUNTS				
First Fed. Sav. & Loan Assoc.	\$ 3,646	\$ 965	\$ 3,646	\$ 965
Union Warren Sav. Bank	2,956		2,956	
Total	\$ 6,602	\$ 965	\$ 6,602	\$ 965
CASH				
First Nat. Bank of Boston (Checking)	\$ 2,964	\$ 4,418	\$ 2,964	\$ 4,418
Bos. Safe Dep. & Tr. Co. (Custodian Acct.)	8,399	1,087	8,399	1,087
Secretary's Change Fund	30	30	30	30
Total	\$ 11,393	\$ 5,535	\$ 11,393	\$ 5,535
Grand Total	\$189,511	\$178,016	\$177,762	\$199,128

TABLE IV
INCOME AND YIELD FROM INVESTMENTS

	<i>Estimated Income</i>	<i>Yield On Current Market Value</i>
BONDS 22.8%		
Assoc. Investment Co.	\$ 307.50	6.3%
Flintkote Co.	462.50	5.6
Florida Power Corp. 3 1/8-84	31.25	5.1
Florida Power Corp. 3 7/8-86	193.75	6.4
Georgia Power Corp.	168.75	4.1
Marine Midland Corp.	250.00	7.4
Montreal Quebec Imp.	600.00	8.1
Orange & Rockland	650.00	10.4
Total	\$2,663.75	7.02%
PREFERRED STOCK 3.3%		
Int. Tel. & Tel.	\$ 481.50	8.8%
COMMON STOCK 70.0%		
Am. Tel. & Tel.	\$ 850.00	6.7%
Clark Equip. Co.	640.00	5.8
General Motors Corp.	408.00	6.2
Boise Cascade	87.00	3.3
Illinois Power Co.	550.00	10.0
Int. Business Machines	378.00	2.8
McGraw Edison Co.	600.00	11.6
B.F. Saul Real Estate Inv. Tr.	0.00	0.0
New England Electric System	637.24	10.5
Newmont Mining Corp.	800.00	7.6
Exxon	1,030.00	6.7
Texaco	991.20	8.0
Warner Lambert Pharm. Co.	336.00	2.6
W.R. Grace Co.	6.40	6.5
Total	\$7,313.84	6.28%
SAVINGS ACCOUNTS 3.9%		
First Fed. Sav. & Loan	\$ 220.00	5.5%
Union Warren	165.00	5.5
Total	\$ 385.00	5.5%

TOTAL YIELD FROM INVESTMENTS ESTIMATED 6.5%

ANNUAL REPORTS OF COMMITTEES

ANNUAL REPORT OF ACTION PROGRAM COMMITTEE, 1974-1975

The Action Program Committee derives from the Massachusetts Section of ASCE, but, due to the merger with BSCE, has been reorganized to account for the capabilities of the merged society.

The Committee is composed of delegates from each Technical Group, a delegate from the Board of Government of BSCES, and individuals from the general membership of the Section.

The Committee members for the 1974-75 Year are as follows:

Rubin M. Zallen	Chairman
Charles C. Ladd	Board of Government
Robert Wells	Computer Group
Frank J. Killilea Jr.	Construction Group
Leo Peters	Environmental Group
David Thompson	Geotechnical Group
Thomas S. Baron	Hydraulics Group
Maurice Freedman	Transportation Group
Frank Heger	Structural Group
Domenic E. D'Erano	General Membership
Ara Shrestinian	General Membership

The purposes of the Action Program Committee are:

1. Investigate issues and events outside of the Section which affect civil engineers, or for which civil engineers have expertise to offer, and make recommendations for action by the Section.
2. Maintain liaison with outside groups
3. Help organize interdisciplinary task committees (where appropriate) within the Section to deal with issues outside of the Section.
4. Act as a coordinating body within the Section for action to be taken outside the Section.

The Action Program Committee did the following this past year:

1. Represented BSCES at the Massachusetts Engineers Council (MEC) of which BSCES is a member.
2. Participated on a committee of MEC which sponsored discussion on water quality. Rubin Zallen chaired the Committee and Leo Peters represented the Environmental Group of BSCES.
3. Made recommendations for the formation of a task committee of the Massachusetts Department of Public Health to review a proposed DPH Standard: Manual for Sewage Treatment Plants With Subsurface Sewage Disposal, and to study the problems of the review and approval of engineers' submissions at the DPH. (Recommendation accepted by the Board of Government).
4. Recommended that the Geotechnical Group of BSCES study the geotechnical provisions of the new State Building Code and make recommendations for revisions thereto. (Recommendation accepted by the Board of Government).

5. Recommended that a letter be sent to Governor Dukakis indicating our concern that the Commonwealth should establish a comprehensive planning policy dealing with land use, environmental issues, transportation and social needs (commonly called a growth policy). The letter would also offer the assistance of the Section. (Recommendation accepted by the Board of Government except that the proposed letter of the Action Program Committee is to be redrafted).
6. Recommended that whenever any technical group or task committee makes a report or recommendations to a public agency, that the report together with a commentary explaining the provisions should be published in the *BSCES Journal*, so as to document the BSCES position and inform the membership (Recommendation accepted by the Board of Government, except that for certain minor cases, this would not be required if impracticable).

Action outstanding as of the date of this report:

Request by President Liu that the Action Program Committee make recommendations to the Board of Government as to the powers and procedures that the Action program Committee should have in coordinating technical groups and committees within the Section for action outside of the Section.

Respectfully submitted,
Rubin M. Zallen, Chairman

ANNUAL REPORT OF ADVERTISING COMMITTEE, 1974-1975

The advertising committee worked towards increasing advertising revenue in the *Journal* by contacting firms which indicated an interest in placing ads in the *Journal*. A total of 22 firms were contacted by letter but to date no replies have been received.

Notification of advertisement renewals have been mailed out with satisfactory response.

Respectfully submitted
Robert M. Fitzgerald, Chairman

ANNUAL REPORT OF ASCE/AGC LIAISON COMMITTEE, 1974-1975

The following is the Annual Report of the BSCES members of the Joint Massachusetts ASCE/AGC Committee.

The Joint Committee held eight 3-hour-long meetings, on March 19, April 16, May 21, September 17, October 15, and November 26, 1974; and on January 21 and February 18, 1975. A meeting is scheduled for March 18, 1975.

The primary matter considered in these meetings has been a review of the NSPE's Standard General Conditions of the Construction Contract (1974 edition). Our intent is to eventually recommend this document for use by members of BSCES with certain changes as agreed upon in the Joint Committee.

In addition, matters of current interest in the two societies were discussed. The item of major interest and effort has been to block efforts which would lead to the requirement of a mechanical filed sub-bid on Massachusetts Public Works. The chairman

appeared as a witness before the Committee on State Administration to oppose Senate Bill 1697. The other major subject considered was a recommendation that the Section oppose House Bill No. 2703, an Act to Amend the Competitive Bidding Law.

Respectfully Submitted
W. W. Wilson
BSCES Co-Chairman

ANNUAL REPORT OF ASSOCIATE MEMBER FORUM, 1974-1975

The AMF has completed another not quite so successful year. It started with the failure of the AMF sponsored clambake, and has continued through the lack of new participation on the AMF Steering Committee.

However, with the exception of one member, the Steering Committee has managed to keep on going. Seven regular Steering Committee meetings have been held since the end of May 1974. In addition, the Steering Committee conducted a thorough evaluation (based on best available data) of the proposed National ASCE dues increase, and presented its recommendations to the BSCE Section Board of Government. The AMF also encouraged the Key Man Committee to initiate an investigation into the reasons for the clambake failure.

What we had hoped would be our trump card for the past year turned out to be somewhat of a disappointment. At the initial suggestion of Bert Berger and Dave Leahy, the Steering Committee decided to volunteer the services of its members to serve on each of seven major BSCE Section committees. Some of the members already were serving on other BSCES committees. The thought behind the committee appointments was to introduce the viewpoints of the younger members. In addition, each appointee would discuss the committee's activities at the regularly scheduled AMF Steering Committee meetings. This would provide additional input from the other Steering Committee members. Each committee appointee then would be able to take a more broad range of ideas and viewpoints back to his assigned committee. Finally, as a means of presenting the activities of the Steering Committee to the younger membership of the Section, the AMF decided to initiate a regular column in the *Forum*. Although this procedure sounds good on paper, and we believe it can work, it did not work this past year. The AMF Steering Committee finalized its preferred committee assignments at its August meeting and these were conveyed to you. However, only Paul Bourque's Forum assignment, which was recommended in June, and confirmed shortly thereafter, was active. The writer was notified in November that he could attend meetings of the nominating committee and in December for the Program Committee. Dave Freed and Herb Spooner were not brought into the activities of the Inter-Society Committee on Engineering Professionalism and the Action Program Committee (respectively) until January, and the assignments to the Public Relations and ASCE-AGC Liaison Committees never materialized.

At the last meeting of the AMF Steering Committee, the group attempted to develop some goals and objectives for next year in order to overcome the "group without a purpose syndrome" which had characterized the past year. As its primary objective, the Committee believes it absolutely essential to encourage new representation on the Steering Committee, either through expansion or replacement of present members. Other areas of involvement include an evaluation of ASCE nomination and election procedures, both locally and nationally, and a continuation of the involvement with BSCES committees. For the latter, we strongly recommend that the President seek AMF volunteers prior to establishing the membership of the committees.

As Tony Di Sarcina indicated to you one year ago, the AMF is having its problems. However, some of these can be overcome with the cooperation of the BSCES officers. We hope that they will seek AMF participation at the earliest possible date.

Respectfully submitted,
Kenneth A. Smith
Co-chairman

ANNUAL REPORT OF AUDITING COMMITTEE, 1974-1975

We have reviewed the records and accounts of the Secretary and Treasurer of the Boston Society of Civil Engineers Section, American 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 found them to be in order and to account accurately for the Section's Funds.

We make the following recommendations:

1. The checking account should be changed to a NOW account in order to obtain interest payments.
2. The services of the Boston Safe Deposit and Trust Company should be reviewed to assure that value to the Section is truly being received, especially regarding investment counseling advice.
3. The Boston Safe Deposit and Trust Company should be instructed to transfer income from investments to a BSCES savings account on a regular basis.
4. The advisability of maintaining two savings accounts should be reconsidered, especially if a NOW account is opened.
5. The book value computations of the investment funds should be performed once a year, rather than quarterly.

Respectively submitted,
Charles C. Ladd, N. Lee Worth

ANNUAL REPORT OF THOMAS R. CAMP FUND COMMITTEE, 1974-1975

Dr. Abel Wolman was selected to present the Third Thomas R. Camp Memorial Lecture to a combined meeting of the Hydraulics and Environmental Groups of the Boston Society of Civil Engineers Section. This dinner meeting with 70 in attendance was held on Wednesday, 15 January at the Massachusetts Institute of Technology Faculty Club in Cambridge.

The meeting was called to order at 7:45 p.m. by Hydraulics Group Chairman, Saul Cooper, who gave a brief background of the Camp Lecture series and introduced Mr. William Parker, Chairman of the Environmental Group and Mr. Charles A. Parthum, Vice President of BSCES. Also presented was Mr. Joseph Lawler, President of Camp Dresser & McKee Inc., engineering firm.

Chairman Cooper introduced the featured speaker of the evening, Dr. Abel Wolman, Professor Emeritus of Sanitary Engineering at Johns Hopkins University. The subject of the Camp Lecture was "Regional Governmental Dilemmas". Dr. Wolman's talk will be published.

Respectfully submitted,
Oscar L. Donati
Hydraulics Group Clerk

ANNUAL REPORT OF CLAMBAKE COMMITTEE, 1974-1975

A clambake was not held during 1974. The clambake committee was forced to cancel due to a lack of reservations. Reasons contributing to the failure were: tight money problems (costs), date, location, and lack of participation.

The committee is now holding meetings to gauge the climate on the possibility of hosting a clambake during early summer.

Respectfully Submitted,
M. A. Moscaritolo, Chairman

**ANNUAL REPORT OF CONSTITUTION AND BYLAWS
COMMITTEE, 1974-1975**

During the past year, the committee recommended and prepared amendments to the following Bylaw articles:

1. Article 6 - Fees and Dues
2. Article 8 - Forfeiture of Membership

The amendments were initially approved by the Board of Government at the November 4, 1974, meeting and by the ASCE National Committee on Sections and District Councils at its December meeting.

At both the January 8, 1975, and the February 19, 1975, regular Section meetings, over two-thirds of the members present and voting voted in favor of the amendments.

The amendments became effective on February 19, 1975.

Respectfully submitted,
Max D. Sorota, Chairman

**ANNUAL REPORT OF CONTINUING EDUCATION COMMITTEE,
1974-1975**

During the past year, professional engineering refresher courses were given in the fall and the spring. Each course lasted ten weeks and covered the civil engineering discipline. The course is intended to help prepare practicing engineers for state registration examination. Registration for the course has been averaging 30 participants.

The chairman has been in contact with the continuing education chairman in California as well as the Boston Architectural Center's continuing education program. It is anticipated that the committee's activities will be expanded in the coming year to better serve the continuing educational needs of local engineering professionals.

Respectfully submitted
Ronald Sharpin, Chairman

ANNUAL REPORT OF DINNER DANCE COMMITTEE, 1974-1975

The 13th Annual Dinner Dance was held at the 57 Restaurant on October 19th, 1974. One hundred eighty members and guests enjoyed the dinner and dancing to the music of Baron Hugo's orchestra. The 14th Annual Dinner Dance has been scheduled at the same location for October 1975.

Respectfully submitted
Frank J. Cullati, Chairman

ANNUAL REPORT OF DISADVANTAGED YOUTH COMMITTEE, 1974-1975

General Information:

The 1974-75 BSCES Disadvantaged Youth Committee met for the first time on June 12, 1974. It was composed of the following members:

Richard J. Scranton, Chairman
Leroy M. Cahoon
Robert Cameron
Richard deMello (N.U. Student)
Walter J. Hickey
Bruce Tobiasson

Soon after the formation of the committee, Robert Cameron resigned and was replaced by Robert F. Pelletier.

To date the committee has held eight meetings

Activities:

All activity of the committee has been directed toward designing and implementing a program by which "disadvantaged youth" would be employed by local engineering firms. Entry level positions (but, with the promise of a future) were deemed to be the best targets for our program. We foresaw two major activities required to implement this program:

1. Job commitments must be obtained from local engineering firms.
2. Candidates for these positions must be found and matched with the correct firm.

Enclosure No. 1, "Letter and Proposal to Engineering Firms Seeking Employment Opportunities for Disadvantaged Youth", describes the history, design and rationale of our program thoroughly. This proposal was sent to ten local engineering firms. Seven firms responded with the commitment of a job opportunity:

Camp, Dresser & McKee, Inc.
CE Maguire, Inc.
Chas. T. Main, Inc.
Goldberg-Zoino & Associates
Metcalf & Eddy, Inc.
Parsons, Brinckerhoff, Quade & Douglas, Inc.
Whitman & Howard, Inc.

The Committee is presently seeking candidates through the following sources:

United States Veterans Administration
Regional Office of Civil Rights, U.S. General Service Administration

Opportunities Industrialization Center of Boston
 Equal Employment Opportunity Office, U.S. Department of Labor

Enclosure No. 2, "Letter to Potential Sources of Candidates and Applicant Information Form", illustrates our approach to obtaining candidates for our program.

Presently, we stand ready to evaluate candidates and match them with firms. Our sources have assured us that we will be receiving applications imminently.

Comments:

Soon, the seven positions offered will be filled and the committee must discuss continuation of and possible modifications to the program. To be realistic in these times of a bad economy, the seven-for-ten ratio of jobs offered to jobs solicited will most likely not continue.

Some members of the committee have had mixed emotions about continuance of this program at the same time that their co-workers and subordinates are being let go. I, and other members of the committee, however, feel that its work should be continued.

Respectfully submitted,
 Richard J. Scranton, Chairman

(Editor's Note: The enclosures mentioned are not being published because of their volume, but copies may be obtained from the Chairman.)

ANNUAL REPORT OF JOHN R. FREEMAN FUND COMMITTEE, 1974-1975

The Ninth Freeman Memorial Lecture was presented on April 3, 1974 by Professor Donald R. F. Harleman, of the Massachusetts Institute of Technology, on the subject "Heat Disposal in the Water Environment". Fifty-five members and guests attended the lecture at the Lecture Hall of the Boston Public Library.

The Committee announced a new Freeman Hydraulics Prize of \$2000 for exceptionally useful papers in the field of Hydraulic Engineering. The announcement was published in *The Forum* of October 1974 and mailed as a separate notice to Section members and *Journal* subscribers. A news item about the prize was published in *Civil Engineering - ASCE*, on page 97 of the January 1975 issue. The announcement has also been sent to the editors of *Water Power*, *La Houelle Blanche*, and the *Newsletter* of the International Association for Hydraulic Research.

The annual income from the Freeman Fund is approximately \$4000 and should be (in John R. Freeman's words) particularly devoted to the encouragement of young engineers in various ways, such as:

1. By grants towards expenses for experiments, observations and compilations that will be useful in engineering and are reported to the Society;
2. For books, papers or translations pertaining to hydraulic science;
3. For a prize for the most useful paper relating to hydraulics, contributed to the Society during the calendar year, that is deemed worthy of special recognition; and
4. For a traveling scholarship for aiding the visiting of engineering works, where there is a good prospect of obtaining information useful to engineers, and reporting on same to the Society.

Suggestions for grants for special purposes are invited and a flexible program is followed.

Respectfully submitted,
 Lee Marc G. Wolman, Chairman

ANNUAL REPORT OF HISTORY AND HERITAGE COMMITTEE, 1974-1975

The Committee on History and Heritage submits the following report on activities for the year ending April 30, 1975.

The outstanding item for the period is acceptance of Lawrence Experimental Station as a National Historic Landmark. The Station performed the first organized treatment of water supplies and sewage, and initiated practical engineering principles leading to reduction in diseases, such as typhoid, spread by contaminated waters. Arrangements for the presentation of the appropriate marker are to be made cooperatively by ASCE Headquarters, BSCE Section, and the Massachusetts Department of Public Health of which the Lawrence Experimental Station is a part.

Continuing research was made in the past year on Hoosac Tunnel, for which some more data has been promised to your committee; on the MBTA tunnel system which is perhaps the oldest street railway tunnel in the United States; on the Granite Railway in Quincy; and on Harvard Stadium, presumed to be the first concrete arena in the United States built for sports.

For future research it is suggested that data be obtained regarding the Locks and Canals system in Lowell; the Massachusetts State Highway Department, either the first state highway department in the United States or preceded by one year by New Jersey; and the Mohawk Trail, started in 1786, America's first toll-free interstate road.

It is further suggested that all historic items be listed. The BSCE Section can then determine whether application should be made for noting as a National Landmark, or local landmark, or list the item as noteworthy.

The importance of a repository for data collected by your committee is again emphasized. Mention was made above that research included the Granite Railway. Your committee was not aware that application had been made for designation as National Landmark in 1969 on the basis that it was the first railroad in America. It was not, and the application was not accepted. However, in a letter dated only one week ago (April 23) the ASCE Headquarters informed this committee that the application would be reconsidered on the basis of information submitted by this committee. We are of the opinion that it is not dignified for BSCE Section to insist by successive application that any item be reconsidered after rejection by Headquarters as a National Landmark. Therefore, the desirability and necessity for a reference depository for past correspondence and record of activities.

Respectfully submitted
Simon Kirshen, Chairman

ANNUAL REPORT OF RALPH W. HORNE FUND COMMITTEE, 1974-1975

The Committee was not able to find a suitable candidate for the Ralph W. Horne Award and therefore has no recommendation to make for a recipient this year.

Respectfully submitted
Harl P. Aldrich, Jr., Chairman

ANNUAL REPORT OF THE INTERSOCIETY COMMITTEE ON ENGINEERING PROFESSIONALISM, 1974-1975

The Committee was organized in December, 1972, for the purpose of elevating the engineer's status and image, making the public more aware of the engineers's role in society and his responsibility to protect public welfare and safety. It also was formed to promote a program for the implementation of guidelines for salary improvement consistent with education, experience and training. An Ad Hoc committee was originally formed and then received letters of support from the Boston Society of Civil Engineers Section/ASCE, the Massachusetts Society of Professional Engineers, and the New England Section of the Institute of Traffic Engineers. The group then officially became the Intersociety Committee on Engineering Professionalism.

The committee includes representatives of various agencies and firms so as to represent the interests of all practicing engineers. There are representatives from each of the participating societies and from the Federal Highway Administration, Environmental Protection Agency, Massachusetts Department of Public Works, City of Boston, and consulting firms; about twenty participants in all.

The committee was subdivided into two subcommittees, each with a Chairman and Secretary, as follows:

Subcommittee on Professionalism

Subcommittee on Implementation of Salary Guidelines

The subcommittees meet independently and a joint session is held with the Chairman conducting the session. Each member of the committee serves on one of the two subcommittees. The findings and results are discussed at joint sessions with the full committee making all evaluations and offering further direction and guidance to the subcommittee.

The committee established these basic goals and objectives:

1. Establishment of a new classification system with descriptions.
2. Educational requirements and responsibilities.
3. Recommended salary ranges for all levels of engineers.
4. Increasing the jurisdiction of the registration board and the value of being a Professional Engineer (P.E.).
5. Improving the engineer's image and making the public more aware of the engineer's responsibility in society.

To date, the Subcommittee on Professionalism has accomplished the following:

1. The engineer's role and responsibility to society was detailed and an official statement was prepared.
2. A booklet has been prepared and distributed to the public describing the role of a Professional Engineer.
3. A speaker's bureau has been formed to disseminate information by making speakers available to such groups as the League of Women Voters, Rotary, Conservation Commissions, historical societies, etc.

4. The introduction of a positive public relations program regarding the engineer's role in society directed to non-engineers. This program will be distributed to news media, television, and radio stations.
5. A methodology for enforcing and improving the registration law for engineers beyond its present form.
6. A means of encouraging and promoting the registration of engineers who are presently exempted by the law, i.e., industrial, federal, operating, and other specialized engineer groups.

The Subcommittee on Implementation of Salary Guidelines has accomplished the following:

1. Completed a survey of all firms employing engineers, including federal, state, city, town and consultants, on their classification system, titles, duties, responsibilities, and salary ranges.
2. Tabulated results and determined a compression ratio (i.e., 20-year salary level to starting salary level).
3. The preparation of professional grade descriptions, salary ranges, and position descriptions for engineers.
4. The preparation of certified technician-grade descriptions, salary ranges and position descriptions for technicians.
5. The committee presented its findings to a meeting sponsored by the Associate Member Forum of the Massachusetts Section of the American Society of Civil Engineers. More than one hundred and fifty engineers attended. Also presentations were made to the Consulting Engineers Council of New England and other groups.
6. The committee also presented its findings to the Secretary of the Massachusetts Department of Transportation and officials of the Massachusetts Department of Public Works and Federal Highway Administration.
7. During the last year, the committee has met with about 30 engineering firms and agencies to review its findings and the programs as outlined.

The activities of the committee for the future include:

1. A re-evaluation of the problems created as a result of the implementation procedures, and meetings with engineering firms and agencies.
2. Protection of those practicing engineers who are qualified but lack proper certification.
3. Protection of smaller and medium-sized firms during the implementation period.
4. Assuring all engineers that they are included in the program regardless of whether they work for the state, federal, city, town, county, or consulting firms.
5. Permitting those engineers with specialized background the opportunity to become categorically registered as Professional Engineers.
6. Promoting adoption of the program by other societies and groups, such as ASCE, NSPE, ITE, and others.

Respectfully submitted,
Bertram Berger, Chairman

ANNUAL REPORT OF INVESTMENT COMMITTEE, 1974-1975

During the past year the Investment Committee has made no recommendations to the Board of Government for changes in the securities owned by the Section. The Boston Safe Deposit and Trust Company continues to be custodian of our account.

Some changes in our portfolio have been suggested by the custodian; these will be considered during the next fiscal year. The Investment Committee will also review the status of our securities and re-evaluate the continuance of the present custodian, as suggested by the Auditing Committee.

Respectfully submitted,
Joseph F. Willard, Chairman

ANNUAL REPORT OF JOURNAL EDITOR, 1974-1975

During the last fiscal year, Volume 61 of the *Journal* was published, consisting of issues for January, April, July and October 1974, the October issue now being at the printer. It contained eleven technical papers plus Society reports in approximately 225 pages of text.

The balance of this report must be the same as in recent years.

Efforts continue toward keeping down production costs, and these must continue. It is felt, however, that the net cost of the *Journal* to the Section should and can be significantly reduced if a real effort is made to obtain more advertising, professional cards, and subscriptions.

The quality of papers published has been good, but the availability of acceptable papers continues to be a problem. Technical Groups must make a greater effort to have their speakers present papers, and new potential sources of good professional papers explored.

The continuing purpose of the *Journal* is to provide the Section members and our other subscribers with a publication of high standards as a medium for top quality technical papers, high grade professional advertising, and Society reports; the same purpose that has been the goal for over sixty years.

Respectfully submitted,
H. H. Holly, Editor

ANNUAL REPORT OF KEY MAN COMMITTEE, 1974-1975

The Key Man Committee which consists of one committee member per firm has been recently restructured in an effort to expedite the dissemination of information about meetings and facilitate feed back from ASCE members. Previously all of the Key Man were notified by the Chairman; however, this procedure was both untimely and too cumbersome to allow the quick retrieval of the requested information, such as reservations.

The new system organizes the Key Man Committee into a pyramid structure. The system is initiated by the Chairman making four telephone calls to designated committee members. These members in turn call their assigned committeemen, and so on. Through this system feed back from the membership could be received within a few hours, as was the case with the Annual Clambake.

The Key Man Committee is utilized between 10 and 15 times a year, and we can only assume that it has been quite effective. As a suggestion, it would be helpful if the committee chairman requesting the use of the Committee would contact the Chairman of the Key Man Committee after its use and relate its effectiveness.

Respectfully submitted,
Donald F. Dargie, Chairman

ANNUAL REPORT OF MEMBERSHIP COMMITTEE, 1974-1975

The Membership Committee concentrated basically on one major effort this year. This effort concerned the modification or merging of the methods of the two previous societies in order to establishing a vehicle for handling new applications into the merged Section.

This required the development of a new application form for membership and a new reference form for those persons who meet the requirements of the Affiliate and Junior Affiliate membership grades in BSCES but are not members of National ASCE.

Concurrently a letter and a membership data base sheet was developed and sent to some 250 incoming National ASCE members welcoming them to the BSCES and urging them to subscribe to the Section. At this time some 30 new applications have been returned from this mailing.

No attempt was made to increase membership outside of the new references from National and therefore there is a large area of possible new Section members consisting of non-subscribers, also non-members of National ASCE, which needs to be explored in the coming year by means of some form of membership promotion.

Respectfully submitted,
Anthony L. Ricci, Chairman

ANNUAL REPORT OF MERGER COMMITTEE, 1974-1975

With regard to your request for an Annual Report from The Merger Committee, this committee has found no need for action throughout 1974.

Since the merger has been successfully completed and the transition period can be considered at an end, we suggest that the Merger Committee be discharged.

Respectfully submitted,
Saul Namyet, Chairman

ANNUAL REPORT OF NEWSLETTER COMMITTEE, 1974-1975

During the past year, the quarterly publication of the newsletter *The Forum* was continued. Several changes in publication process were initiated during the past year in an effort to expedite publication. The complete logistics for publication (typesetting, composition, printing and mailing) are now handled by one firm, Copley Business Service, Inc., Boston, Massachusetts. As a result the February 1975 issue, which was the first one done by Copley, was completed and mailed in an expeditious manner.

The newsletter Editorial Board consisted of Peter J. Riordan, Editor, and David H. Treadwell, Lewis Edgers, Thomas A. Joyce, Robert M. Fitzgerald and Paul Bourque as contributing editors. Stephen Dore and Chester S. Drake also participated for the first two issues but were unable to continue due to business commitments.

The Editorial Board continued the practice of selecting timely and controversial themes to feature in each issue. Interviews with notable persons associated with each theme were conducted.

A breakdown by issues for the past year is as follows:

Volume	No.	No. of Pages	Date	Theme	Person Interviewed
5	2	10	May 1974	Joint Annual Meeting BSCE Mass., Section ASCE	
5	3	12	July 1974	Professionalism	Amos E. Kent, Chairman of Board of Registration of Professional Engineers and of Land Surveyors
5	4	10	Oct. 1974	Energy Crisis	Robert W. Mitchell, Regional Administrator, Federal Energy Administration
6	1	14	Feb. 1975	Energy Crisis	Frank M. Staszsky Executive Vice President Boston Edison Company

Respectfully submitted,
Peter J. Riordan, Chairman

ANNUAL REPORT OF NOMINATING COMMITTEE, 1974-1975

The 1974 - 1975 Nominating Committee completed its business for the year during six meetings on May 16, 1974; July 9, 1974; September 4, 1974; November 11, 1974; December 2, 1974; and January 27, 1975. The Committee acted on endorsement of two candidates for national office, nominations to six national committees and nominations for next year's BSCES officers. The Committee made no recommendation for ASCE Honorary Membership this year.

The endorsements for national nominations and nominations for BSCES officers were as follows:

National Officers:

Vice-President, Zone I	Cranston R. Rogers
Director, District 2	John J. Cusack

National Committees:

Professional Session Programs	Cranston R. Rogers
Curricula & Accreditation	Frank E. Perkins
Guidance	R. Lee Dye
Technician & Technology Education	Henry Poydar
Minority Programs	Donald T. Goldberg
Employment Conditions	Robert B. Barton

BSCES Officers (1975 - 1976 except as noted)

President	Charles A. Parthum
Vice - President (1975-1977)	Charles C. Ladd
Secretary	Newton L. Worth
Treasurer	Joseph F. Willard
Director (Member)	William S. Zoino
Director (Assoc. Member)	Paul N. Bourque
Nominating Committee:	Joseph D. Guertin
	Anthony L. Ricci
	R. Lee Dye
	Rubin M. Zallen
	Steve J. Poulos
	Rodney P. Plourde

Joseph D. Guertin, Jr. Clerk

ANNUAL REPORT OF PROFESSIONAL PRACTICE COMMITTEE, 1974-1975

The Professional Practice Committee has been relatively inactive in the past year.

The Chairman assisted the Committee on Professional Practice at the national level in its investigation of a complaint made locally. However, because of the confidential nature of the situation only the Chairman was involved.

Earlier our Committee was involved in an endeavor to incorporate a "Code of Conduct" in our registration laws, but upon being advised this might have a detrimental effect on the passage of legislation being proposed by an Ad-Hoc Committee acting in this area, we desisted.

Frankly, under the present circumstances, in the opinion of the undersigned, there is very little justification for the existence of this Committee.

Respectfully submitted,
Howard R. Perkins, Chairman

ANNUAL REPORT OF PROGRAM COMMITTEE, 1974-1975

This was the first operating year of the BSCES Program Committee, the purpose of which was to initiate social interaction and functions and to coordinate the activities of all the Technical Groups regarding meeting dates, expenditures and committee reports.

The Committee is mainly responsible for society functions and the selection of sub-committee chairmen to handle the tasks. For the year 1974-1975, the following were the chairmen:

Key Man Committee: Donald F. Dargie
 Dinner Dance Committee: Frank J. Cullati
 Clambake Committee: Michael Moscantolo
 Annual Meeting Committee: David D. Leahy

Considerable success was realized in the functioning of all the Technical Groups with respect to policies and procedures for conducting meetings, filing meeting reports, establishing meeting dates, submitting annual reports, and balancing budgets for meetings.

This year the Committee supported the holding of joint meetings between Technical Groups and other professional societies and groups. A number of these joint meetings were held and were quite successful.

Samples of meeting notices and other material have been submitted for the record.

Respectfully submitted,
 Bertram Berger, Chairman

ANNUAL REPORT OF PUBLICATIONS COMMITTEE, 1974-1975

The following is the Annual Report of the Publications Committee, April 1974 to April 1975.

Papers Received	14
Papers Rejected	2
Papers Accepted, Published or in Press	10
Papers Under Review	2

The *Journal* should continue to contain only high quality papers of original work or work that would serve a useful purpose for reference. The Committee feels that a renewed effort on the part of all Groups, plus an appreciation for the fact that papers do not have to be given at a meeting in order to be eligible for publication, should result in more papers being available.

The Technical Group Chairmen in particular should strongly push for a written version of talks when arranging for speakers.

The Board of Government has agreed to publish in the *Journal* as a Committee Report the text of reports or recommendations made by any Technical Group or task committee of the Section to a public agency (e.g., the Legislature or the State Building Code Commission, etc.). In this manner an official record will be made of the transaction.

Respectfully submitted,
 Charles A. Parthum, Chairman

ANNUAL REPORT OF STUDENT CHAPTER COMMITTEE, 1974-1975

In 1974, the Student Chapter Committee of the Boston Society of Civil Engineers Section of the American Society of Civil Engineers was once again very active.

Dan Donahue made arrangements through the Massachusetts registration board to distribute information and applications for EIT examinations to the student chapters in Massachusetts. Robert Masys handled all correspondence with the student chapters with respect to student awards and student loans. Michael Gaa undertook the task of developing a list of speakers for student chapter use. Richard Murdock continued his efforts of previous years in lining up field trip contacts for student chapters. Paul Trudeau was again Secretary, recording notes of meetings. Lee Worth served as the Student Chapter Committee's liaison with the BSCES Executive Committee. Richard Scranton, Faculty Advisor at Northeastern, was instrumental in the production, publication, and sales of the Employer Project Manual, which the Northeastern University student chapter undertook in 1973. Dr. Bartlett Paulding, new to the Student Chapter Committee this year, was instrumental in developing a theme and plans for a Student Night program, which was brought about by the efforts of all committee members working industriously on various aspects of the program.

The Student Night meeting of January 28, 1975 became a highlight of the year. The theme of this dinner meeting held at Tufts University was "The Economy and You". The speaker, Dr. James Howell, Vice President of the First National Bank of Boston, was very eloquent and informative as well as entertaining. The meeting was attended by approximately 200 persons consisting of students and engineers. Dr. Lew Edgers, Faculty Advisor at Tufts University handled all of the logistics for the dinner and meeting arrangements on the Tufts Campus. The result was an evening enjoyed by all and well remembered!

Respectfully submitted,
Stanley C. Rossier, Chairman

ANNUAL REPORTS OF TECHNICAL GROUPS

ANNUAL REPORT OF THE COMPUTER GROUP, 1974-1975

During the sixth year of its organization, the Computer Group conducted four meetings described below:

October 22, 1974 — Subject, Specification Writing.

The meeting was held at the Ralph M. Parsons Laboratory of the Massachusetts Institute of Technology. A discussion on recent developments in computerized specification writing was held. Speakers were Mr. James Jackson of Frances, & Jackson and Mr. Charles Keane and Mr. John McCormick both of Camp, Dresser, & McKee. Approximately 20 persons attended.

November 20, 1974 — Subject, Current Status of Computer Usage.

The meeting was held at the Ralph M. Parsons Laboratory, Massachusetts Institute of Technology. Professor C. L. Miller of the Civil Engineering Department, MIT, presented a paper on the subject of whether and how computers have lived up to their promise in applications to civil engineering problems. A lively discussion followed. Approximately 30 people attended.

January 20, 1975 — Subject, Computer Usage and Small Firms.

The meeting was held at the Ralph M. Parsons Laboratory, Massachusetts Institute of Technology. It involved a seminar on the use of computers in small engineering firms. The panel consisted of Professor Dan Roos of MIT, Mr. Russell Barnes of Barnes & Jarnis, Inc, and Mr. Samuel Francis of Francis & Jackson, Assoc., who discussed their own experiences with in-house machines, time sharing systems, and service bureau operations. Approximately 30 people attended.

March 19, 1975 — Subject, Computerized Control of Traffic.

A joint meeting with the Transportation Group was held at the Playboy Club in Boston. Mr. Kay Krekorian, Deputy Chief Engineer of the Massachusetts Department of Public Works and Mr. Alfred Howard, Transportation Planning Director of the Boston Redevelopment Authority, discussed their experiences with computerized systems for determining traffic patterns and for controlling them. Mr. Stanley Siegel, Director of Transportation of the Town of Brookline was moderator. Approximately 80 people attended.

At the March 19 meeting, an election was held for offices of the group for the coming year. J. T. Christian presented the following slate for the executive committee.

Chairman:	Jekabs P. Vittands
Vice Chairman:	Lewis Holzman
Clerk:	James N. Jackson
Member, Executive Committee:	Sal Mazzotta
Member, Executive Committee:	Robert A. Wells, Jr.
Member, Executive Committee:	J. T. Christian

There were no other nominations and the slate was elected unanimously.

Comments

With the exception of the last meeting, which was a joint meeting with the Transportation Group, all meetings were held at the Parsons Laboratory, Massachusetts Institute of Technology. The meetings were not dinner meetings. This procedure was found to be very satisfactory. People were able to make their own arrangements for dinner, and this seems to make attendance at the meeting more attractive. It is recommended that a similar procedure be followed for the coming year. The luncheon meeting with the Transportation Group was also a big success. The committee expresses its gratitude to the Ralph M. Parsons Laboratory and its director, Professor Harleman, for the use of their facilities.

J. T. Christian, Chairman

ANNUAL REPORT OF THE CONSTRUCTION GROUP, 1974-1975

The Executive Committee this year consisted of the following members:

Chairman	Samuel E. Rice, 3rd
Vice-Chairman	Laimonis Rieksts
Clerk	Renwick Chapman
Member	Joseph B. Kerrissey, Jr.
Member	Frank J. Killilea, Jr.
Member	John T. Quinn, Jr.

The Construction Group held the following meetings during the past year:

October 30, 1974

A luncheon meeting was held at the Red Coach Grill, Stanhope Street, Boston with 18 persons in attendance. Mr. Phillip Whitton of San-Vel Corporation spoke on the "Growing Use of Precast-Prestressed Concrete Building Units." Following a discussion of recent technological developments, Mr. Whitton presented a newly produced movie on the construction of the "57" Building in Boston.

December 18, 1974

A luncheon meeting was held at the Red Coach Grill, Stanhope Street, Boston with 25 persons in attendance. Mr. Charles Appley of the Massachusetts Bay Transportation Authority spoke on "Construction Details of the Haymarket North Extension." Mr. David Thompson of Haley and Aldrich described the soils investigations at Wellington Circle.

January 8, 1975

A joint meeting was held with BSCES at the Playboy Club in Boston. There were 30 persons in attendance. Mr. Ken Parker of Gilbane Building Company, Providence, R.I., spoke on "Construction Management, An Evolving Concept." An active discussion period followed the presentation.

February 12, 1975

A joint meeting was held with the Geotechnical Group at Harkness Commons, Harvard University. There were 56 persons in attendance. Following a brief presentation, a panel discussion was held on the design and construction of tunnels.

The following officers were nominated and elected for 1975-76.

Chairman	Laimonis Rieksts
Vice-Chairman	Renwick Chapman
Clerk	Norman Bennett
Member, Executive Committee	Samuel E. Rice, 3rd
Member, Executive Committee	Joseph B. Kerrissey, Jr.
Member, Executive Committee	Frank J. Killilea, Jr.

Respectfully submitted,
Renwick Chapman, Clerk

ANNUAL REPORT OF THE ENVIRONMENTAL GROUP, 1974-1975

The Executive Committee this year consisted of the following members:

Chairman:	William H. Parker of Camp Dresser & McKee, Inc.
Vice-Chairman:	Leo F. Peters of Weston & Sampson
Clerk:	Paul A. Taurasi of Mass. Div. of Water Pollution Control
Member:	Professor Frederick C. Blanc of Northeastern University
Member:	Clifford Bowers of Metcalf & Eddy, Inc.

The Environmental Group will have held five meetings during the 1974-1975 year, as follows:

June 5, 1974

This meeting was our annual outing and it included an inspection of the recently completed Marlborough Easterly Advanced Wastewater Treatment Plant. After the field inspection the group met at the Longfellow's Wayside Inn in Sudbury. Mr. Frank Sampson, Vice President of Metcalf & Eddy, Inc. was the speaker and he related many interesting aspects of the design and construction of the Marlborough Easterly facility. This facility is the first one constructed in Massachusetts which will provide nitrification and phosphorous removal of the wastewater.

November 6, 1974

This meeting was held at the Playboy Club in Boston. The subject was wastewater treatment plant startup and operation. The meeting included a presentation by Mr. Joseph Hanlon, Vice President of Camp Dresser & McKee, followed by a panel discussion by Mr. Ross Crane of Metcalf & Eddy, Inc., Mr. John Hartley, Supervisor of the Marlborough wastewater treatment plant and Mr. Brian Jeans of the Massachusetts Division of Water Pollution Control.

January 15, 1975

This meeting was held at the MIT Faculty Club in Cambridge. The guest speaker was Dr. Abel Wolman and he spoke on the subject "Regional Government Dilemmas". This was the Third Thomas R. Camp Lecture and it was held jointly with the Environmental Group and the Hydraulics Group.

Dr. Wolman related his many years of experience in setting up regional water and sewerage districts throughout this country. He also spoke about his recent experiences in India and Africa.

February 26, 1975

The subject of this meeting, held at the Playboy Club, was ozone disinfection of secondary effluents. The speaker was Mr. Carl Nebel of Welsbach Oxone Systems Corp. Mr. Nebel explained the state of the art on equipment for ozone production and its use in disinfection of wastewater treatment plant effluents.

April 2, 1975

This meeting will be held at the Playboy Club and the lecturer will be Mr. Steve Lathrop of the Environmental Protection Agency. The subject will be the Safe Drinking Water Act of 1974.

At this meeting the Environmental Group will elect officers and members for the 1975-1976 year. The nominees are as follows:

Chairman:	Leo Peters
Vice Chairman:	Paul Taurasi
Clerk:	Fred Blanc
Members, Executive Committee:	Clifford Bowers
	Warren Ringer
	Peter Knowlton

This year the Executive Committee worked on plans for an Environmental Group Seminar to be held in the spring of 1976, to be entitled Wastewater Treatment and Disposal.

ANNUAL REPORT OF THE GEOTECHNICAL GROUP, 1974-1975

The following are the officers of the Geotechnical Group for the 1974-75 year:

V. Murphy	Chairman
S. Stevens	Vice Chairman
W. Zoino	Clerk
P. Taylor	Member
D. Thompson	Member
A. Gass	Member

The originally elected Clerk was R. Bucknam, who resigned due to relocation from this area shortly after the beginning of the 1974-75 year. In accordance with the by-laws of the Group, the executive committee, by special ballot, elected W. Zoino to replace R. Bucknam as Clerk, and A. Gass to fill the position of Member.

The Group held the following meetings during the past year:

May 1, 1974

A Geotechnical Forum Meeting — "POTPOURRI" moderated by Peter Dunlop of Stone & Webster Engineering Corporation, with the following participants:

1. Steve J. Poulos - Geotechnical Engineers "Soil Moduli for Analyzing Dam Cracking"
2. Robert McConnell - Earth Sciences Research "Tilt Meter Applications in Civil Engineering"
3. Rebecca Grant - Goldberg-Zoino & Associates "Compacted Fill Foundations for Multistory Buildings"
4. Joseph Guertin - Haley & Aldrich (now of Soil & Rock Instrumentations) "A Study in Hard Rock Slope Stability"
5. Alton P. Davis, Jr. - Chas. T. Main, Inc. "Air Uplift Pressures in Slope Stability"
6. Anthony Barila - Stone & Webster Engineering Corp. "Deformation of Rockfill Dams"
7. Lee Marc G. Wolman - Chas. T. Main, Inc. "A Practical Problem in Specifying 100 ton Piles in Dense Sands with Heavily Over-Consolidated Clay Layers"

This meeting took place at the Aquarium Restaurant. Approximately 100 members and guest were in attendance.

September 11, 1974

Mr. Victor Milligan, Principal, Golder Associates of Toronto, Ontario, presented "A Case History of Instability in Over-Consolidated Clays". This meeting took place at Harvard University, with approximately 50 members and guests in attendance for dinner and 100 attending the lecture.

October 8, 1974

Geotechnical Forum Meeting "Design, Installation and Performance of Tieback Systems". The speakers were:

1. Ronald Chapman - Schnabel Foundation Co., Washington, D. C.
2. Jim Nelson - Spencer, White & Prentis, Inc., New York City, New York
3. John Shuster - Formerly of American Drilling Co., Inc., Providence, Rhode Island

This presentation took place at Harvard University with approximately 75 members and guests in attendance.

November 13, 1974

Professor George F. Sowers of Georgia Tech University and Law Engineering Testing Company, Atlanta, Georgia (also Chairman of the Geotechnical Engineering Division of ASCE), presented "Engineering Approach to Responsibility for Unexpected Problems in Foundation". Approximately 80 members and guests were present.

December 10, 1974

Geotechnical Forum Meeting - "POTPOURRI II" moderated by Alton Davis of Chas. T. Main, with the following participants:

1. Jim Weaver and Dick Stulgis - Haley & Aldrich "Settlement Behavior of Oil Tank During Hydro-Test"
2. Dave Campbell - Stone & Webster "Computerized Approach for the Analysis of Rock Anchoring Systems"

3. Steve Alsup - Soil & Rock Instrumentation "Engineering Geophysics is Not Seismic Refraction"
4. John Roma - Golder, Gass "Caisson Dewatering at Harvard Business School"
5. Jean Audibert - Stone & Webster "Comparison of Teraprobe and Vibro Flotation"
6. Tom Turcotte - Weston Geophysical "Weston Geophysical Seismic Station"
7. Ken Briggs - Stone & Webster "Zero Blow Count in Clays Underlying a Nuclear Power Plant Site"

This meeting took place at the Green Building of MIT. Approximately 100 members and guests were in attendance.

February 12, 1975

A joint meeting with BSCES Construction Group.

A panel discussion with the subject of "Design and Construction of Tunnels". The moderator was Stiles Stevens of C E Maguire. The members of the panel were:

Research	Dr. Steve Majtenyi, U.S. Dept. of Transportation, Federal Highway Administration, Wash., D.C.
Design Professionals and Consultants	Mr. Robert Jenny, Consulting Engineer, New Jersey
Contractor	Mr. George Fox, Chief Engineer Grow Tunneling Corp, New York
Project Management	Mr. Ed Plotkin, McLean-Grove Construction Co., New York

In addition, limited presentations were provided by C. John Dunicliff, Chief Engineer, Soil & Rock Instrumentation, Inc., on "Soft Ground Tunnels", and Professor Herbert Einstein, MIT, on "Hard Rock Tunnels".

The 1974-75 Geotechnical Group Special Lecture Series was entitled "Deep Foundations". Over 200 members, students, and nonmembers registered. The following dates, topics, and speakers comprised this series:

Tuesday, March 4, 1975, Prof. Aleksandar S. Vesic — "Principles of Pile Foundation Design".

Tuesday, March 11, 1975, Prof. Aleksandar S. Vesic — "Principles of Pile Foundation Design — (Lecture 2)".

Discussers: Mr. William F. Swiger, Vice Pres. Stone & Webster Engineering Corp., Boston, and Mr. James Collins, Principal, James P. Collins Assoc. Boston

Monday, March 17, 1975, Prof. Ben C. Gerwick, Jr. — "Pile Foundation Performance".

Discussers: Mr. Charles L. Guild, Pres. American Drilling & Boring, Inc., Providence, and Mr. William E. Kruse, Vice Pres. & Gen. Mgr. Falco Construction Corp., Brooklyn, N.Y.

Tuesday, March 25, 1975, Prof. M. T. Davisson — "Pile Load Capacity".

Discussers: Mr. David E. Thompson, Vice Pres. Haley & Aldrich, Inc., Cambridge and Mr. Stiles Stevens, Vice Pres. C.E. Maguire, Inc., Waltham

Tuesday, April 1, 1975, Mr. Clyde N. Baker, Jr. — "Drilled Piers - Construction Considerations".

Discussers: Mr. J.R. McKinney, Pres. McKinney Drilling Corp., Nacagdoches, Texas and Mr. James Cahill, Reg. Mgr. Caisson Corporation, Philadelphia

Tuesday, April 8, 1975, Mr. William S. Gardner — "Drilled Piers - Design Considerations".

Discussers: Mr. R. McPhail, Associate Golder Gass Associates, Inc., Cambridge and Mr. Edmund G. Johnson, Sen. Vice Pres. Haley & Aldrich, Inc., Cambridge.

(This lecture series was also sponsored with the cooperation of MIT, which provided the lecture hall facilities.)

At the request of Chairman Zallen, of the Action Program Committee, a Geotechnical Group Member, D. Thompson was designated as representative to the Action Program Committee.

At the request of BSCES President T. Liu, a committee was established to review the foundations section of the Mass. Building Code and make recommendations to the Building Code Commission. Accordingly, the Geotechnical Group Vice Chairman, S. Stevens, was appointed as Chairman of this task committee.

At the request of the Chairman, William H. Parker, III, of the Environmental Group, two Geotechnical representatives were assigned to a special subcommittee to review the Mass. DPH proposed manual for Subsurface Sewage Disposal. The members are: R. J. Guertin - Soil & Rock Instrumentation and A. Lazarus - C E Maguire, Inc.

The following are nominated as officers of the Geotechnical Group for the 1975-76 year:

S. Stevens	Chairman
W. Zoino	Vice Chairman
P. Taylor	Clerk
D. Thompson	Member
A. Gass	Member
A. Davis	Member

Respectfully submitted,
W. Zoino, Clerk

ANNUAL REPORT OF THE HYDRAULICS GROUP, 1974-1975

The following meetings were held during the past year:

October 23, 1974

Guest speakers, Mr. David Campbell, of the New England Power Company and Mr. Robert Kwaitkowski of Chas. T. Main, Inc., made a joint presentation on "The Bear Swamp Pumped Storage Project." The illustrated talk dealt with the history, site selection, hydrology, hydraulic and power features of this project. Attendance: 44.

December 4, 1974

Professor Bernard Berger, Director of the University of Massachusetts Water Resources Research Center spoke on the background, purposes and funding for the Center which was established in 1965. The meeting was held in the Ralph M. Parsons Laboratory at MIT. Attendance: 21.

January 15, 1975

The 3rd Annual-Thomas R. Camp Lecture was held at the MIT Faculty Club in Cambridge. The combined meeting of the Hydraulics and Environmental Groups had Dr. Abel Wolman, Professor Emeritus of Sanitary Engineering at the Johns Hopkins University as their guest speaker. Dr. Wolman's talk dealt with the many problems associated with establishment of regional governments for the management of water resources needs.

March 5, 1975

"Boston Harbor - Eastern Massachusetts Metropolitan Area Wastewater Management Study," was the subject of a joint presentation of Mr. Martin Weiss of the Metropolitan District Commission and Mr. David Kenyon of the Corps of Engineers. The meeting was held at the offices of C E Maguire, Inc. in Waltham, Massachusetts. Attendance: 32.

April 8, 1975

Mr. Brendan Harley, President of Resource Analysis, Inc. spoke on his work on Urban Storm and Wastewater Modelling. The meeting was held at the MIT Ralph M. Parsons Laboratory in Cambridge, Massachusetts.

The following slate of officers of the Hydraulics Group for the year 1975-1976 was elected unanimously by voice vote:

Chairman	Thomas Baron
Vice Chairman	Oscar L. Donati
Clerk	Edward Dunn
Executive Committee	Lee Wolman
	William Darby
	Saul Cooper

Attendance: 27

Respectfully submitted,
Oscar L. Donati, Clerk

ANNUAL REPORT OF THE STRUCTURAL GROUP, 1974-1975

The Executive Committee this year consisted of the following members:

Chairman	Dr. Kenneth M. Leet
Vice Chairman	Mr. Hans William Hagen
Clerk	Mr. Lawrence H. Ogden
Member, Executive Committee	Mr. Frank Davis
Member, Executive Committee	Mr. Richard Foley
Member, Executive Committee	Dr. Frank Heger

The four scheduled meetings held by the Structural Group are briefly described below.

April 10, 1974

Professor R.J. Hanson of M.I.T. discussed motion problems in tall buildings. He lectured on the variety of problems that exist and the use of model studies to analyze the wind pressure distributions that occur.

Chairman Leet discussed and distributed a proposed section of the New State Building Code requiring construction drawings to be stamped by both an Architect and Engineer. The meeting was held at M.I.T. Attendance 120.

October 16, 1974

Dr. Joseph A. Yura, Associate Professor of Civil Engineering, University of Texas, presented the 1974 T.R. Higgins lecture of A.I.S.C.. Dr. Yura presented practical procedures, utilizing the column length alignment-charts of the A.I.S.C. specification, for determining stability of steel structures.

The meeting was held at the Boston Public Library. Attendance 110.

December 11, 1974

A panel discussion on Fast Track Design and Construction was presented at the M.I.T. Student Center. The panel consisted of Mr. Kenneth Leach, Vice-President, George B.H. Macomber Co; Mr. Robert Catella, Project Manager, Harvard University; and Mr. Donald Reed, Wallace, Floyd & Ellenzweig Inc. The panel discussed experience with fast track construction, its pros and cons and effects upon project schedules. Forty members attended.

February 5, 1975

The first item of business was the election of officers for the coming year. This was followed by a panel discussion on the seismic provisions of the New State Building Code. The panel consisted of the following: Dr. Howard Simpson, Dr. Othar Zaldastani, Professor Myle S. Holley Jr. and Professor Robert V. Whitman. The discussion centered around present code provisions, their utilization and requirements for additional review and improvement.

Dr. Thomas Liu, President of BSCES, was present and he announced the society's intent to have the important work of this Group continue. The meeting was held at the Boston Public Library and attended by 80 members.

In addition to the above Meetings the Executive Committee met to discuss the following:

On March 12, 1974 the Committee met to review for the Section's Board of Government "Recommended Regulations for the Control of Structural Work During Construction" as prepared by the Job Control Committee of the Massachusetts Concrete Industry Board. The Structural Committee endorsed these recommendations in principle but expressed the desire to further participate in their review and final preparation prior to inclusion in the State Building Code.

On April 9, 1974 the Committee met to review a proposed section of the new State code requiring that the stamp of a registered architect appear on plans and elevations of all buildings of more than 35,000 cu. ft. The committee reported to the society that although it did not oppose the section, it should be discussed with the entire membership. The committee also felt the provision was in conflict with the State Registration Laws.

For the Coming Year 1975-1976, the Executive Committee will consist of the following members.

Chairman	Mr. Hans William Hager
Vice-Chairman:	Mr. Lawrence Ogden
Clerk:	Dr. Frank Heger
Members:	Mr. Frank Davis
	Mr. Richard Foley
	Prof. Kenneth Tsutsumi

Respectfully submitted,
Lawrence H. Ogden, Clerk

ANNUAL REPORT OF THE TRANSPORTATION GROUP 1974-1975

January 23, 1974

Dinner meeting: Governor Francis W. Sargent, guest speaker. Election of Officers for 1974-1975:

Rodney P. Plourde, Chairman
Maurice Freedman, Vice Chairman
Marvin W. Miller, Clerk
Robert J. McDonagh, Member
Russell Barnes, Member
Leo DeMarsh, Member
Donald Graham, Member
Richard Guzowski, Member

May 14, 1974 -

Dinner meeting, guest speaker — Lester P. Lamm, Executive Director U.S. Department of Transportation, Federal Highway Administration. Mr. Lamm discussed FHWA's approach to Multi-Modal Transportation.

October 2, 1974 -

Dinner meeting, guest speakers — Kenneth B. Ullman, Engineering Manager, Northeast Corridor Project, FHWA, and David L. Gunn, Director of Commuter Railroads, MBTA. These gentlemen discussed their respective agency's approach to railroad resurgence in Boston and in the Northeast Corridor.

November 26, 1974 -

Luncheon meeting, guest speaker Edward King, Executive Director MASSPORT. Mr. King discussed MASSPORT, Present and Future.

February 19, 1975 -

Dinner meeting, guest speaker—Frederick Salvucci, Secretary, Massachusetts Executive Office of Transportation and Construction. Mr. Salvucci discussed future transportation policies of Massachusetts.

Also at this meeting the election of officers for 1975-76 was held;

Maurice Freedman	Chairman
Marvin W. Miller	Vice Chairman
Robert J. McDonagh	Clerk
Russell Barnes	Member, Executive Committee
Leo DeMarsh	Member, Executive Committee
Donald Graham	Member, Executive Committee
Rodney Plourde	Member, Executive Committee

Respectfully submitted,
Marvin W. Miller, P.E., Vice Chairman