

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

**REPORT OF THE TREASURER
For the Fiscal Year October 1, 1976 to September 30, 1977**

FISCAL STANDING

The financial standing of the Section is summarized in the four tables which accompany this report:

- Table I - Condensed Statement of Condition
- Table II - Condensed Statement of Income and Expenditures
- Table III - Detailed Statement of Income and Expenditures
- Table IV - Portfolios of Investment and Projected Yield

SECTION INVESTMENTS

The Boston Safe Deposit and Trust Company continues as Custodian of our portfolio of securities and has furnished us with an annual summary account. The portfolio has been modified significantly subsequent to the change in the custodian contract authorized by the Board of Government. The new contract gave the Custodian full discretionary powers for making portfolio changes.

SECTION BANK DEPOSITS

During this fiscal year it became impractical to maintain a Suffolk Franklin NOW account as well as a Suffolk Franklin Savings Account, therefore all available cash was transferred into the NOW account. The NOW account is an interest bearing checking account.

Savings Account - Suffolk Franklin

	<i>Debit</i>	<i>Credit</i>	<i>Balance</i>
Balance 10/1/76	-	-	\$ 9,263.56
Interest	-	\$ 363.15	9,626.71
Transfer to NOW Account	\$ 9,626.71	-	0.00
Totals	\$ 9,626.71	\$ 363.15	\$ 0.00

NOW Account - Suffolk Franklin

	<i>Debit</i>	<i>Credit</i>	<i>Balance</i>
Balance 10/1/76	-	-	\$ 18,768.83
Deposits 10/1/76-9/30/77	-	\$83,526.41	102,295.24
Interest	-	519.30	102,814.54
Miscell. Bank Charges	\$ 36.94	-	102,777.60
Checks Drawn	92,088.77	-	10,688.83
Totals	\$92,125.71	\$84,045.71	

PERMANENT FUND

The Permanent Fund receives its prorated portion of investment income and all entrance fees for local membership. A prorated portion of custodian service charge is debited.

	<i>Debit</i>	<i>Credit</i>	<i>Balance</i>
Book Value 10/1/76	-	-	81,893.89
Custodian Service	544.17	-	81,349.72
Interest, Dividends, Transactions	-	9,018.77	90,368.49
Entrance Fees	-	305.00	90,673.49
Transfer to current fund	5000.00	-	85,673.49
	\$5,544.17	\$9,323.77	

*TECHNICAL GROUP LECTURE SERIES FUNDS 1975-76-77**Structural Group-Earthquake Lecture Series (1975-76)*

Income	\$12,459	
Expenses	<u>6,544</u>	
Surplus	\$ 5,915	
Available for Approved Expenditures		\$2,957

Environmental Group-Camp Lecture Series (1975-76)

Income	\$ 7,081	
Expenses	<u>4,940</u>	
Surplus	\$ 2,141	
Available for Approved Expenditures		\$1,070

Geotechnical Group-Deep Foundation Lecture Series (1976-77)

Income	\$ 2,254	
Expenses	<u>1,888</u>	
Surplus	\$ 366	

Geotechnical Group-Lateral Earth Pressure Lecture Series (1975-76)

Income	\$15,387	
Expenses	<u>9,435</u>	
Surplus	\$ 5,952	
Available for Approved Expenditures		\$ 3,159
Deficit in Operation of Group		<u>\$ 1,379*</u>
		\$ 1,780

TECHNICAL GROUP OPERATIONS

	<i>Income</i>	<i>Expenses</i>	<i>Surplus</i>	<i>Deficit</i>
Computer	0.00	6.00	—	6.00
Construction	250.00	172.33	77.67	—
Environmental	315.20	473.05	—	157.85
Hydraulics	0.00	0.00	—	—
Structural	288.80	1,038.27	—	749.47
Transportation	48.00	0.00	48.00	—
Geotechnical	1,061.50	2,440.91	—	1,379.41*

Respectfully submitted,
Saul Namyet, Treasurer

TABLE I
CONDENSED STATEMENT OF CONDITION
Assets, Liabilities and Funds

ASSETS	BOOK VALUE		MARKET VALUE	
	9-30-77	10-1-76	9-30-77	10-1-76
Suffolk Franklin NOW	\$ 10,688.89	\$ 18,743.90	\$ 10,689.00	\$ 18,744.00
Suffolk Franklin Savings	—	9,282.93	—	9,283.00
Petty Cash	—	24.00	—	24.00
Boston Safe Deposit:				
Bonds	67,759.69	52,684.69	59,166.00	41,767.00
Stocks	76,930.11	118,832.23	103,167.00	164,525.00
Cash	49,364.45	982.99	49,364.00	983.00
Invested Income	<u>14,608.83</u>	<u>23,853.41</u>	<u>14,609.00</u>	<u>23,853.00</u>
Boston Safe Deposit (Total)	\$208,663.08	\$196,353.32	\$226,306.00	\$231,128.00
Total Assets	\$219,351.97	\$224,404.08	\$236,995.00	\$259,179.00
 LIABILITIES AND FUNDS				
Permanent Fund	\$ 85,673.49	\$ 81,893.89	\$ 92,917.62	\$ 96,470.00
Freeman Fund	67,047.17	63,032.85	72,716.35	74,608.00
Turner Fund	3,758.69	3,407.08	4,076.50	4,014.00
Fitzgerald Fund	6,225.76	5,824.70	6,752.18	6,861.00
French Fund	3,717.69	3,369.96	4,032.04	3,970.00
Herschel Fund	2,401.28	2,176.67	2,604.32	2,564.00
Howe Fund	4,107.86	3,723.59	4,455.20	4,386.00
Morse Fund	5,756.07	5,398.99	6,242.78	6,360.00
Walker Fund	1,854.38	1,680.96	2,011.18	1,980.00
Horne Fund	5,501.71	4,987.09	5,966.91	5,874.00
Lectures Fund	6,169.69	5,592.59	6,691.37	6,588.00
Camp Fund	13,565.59	12,296.69	14,712.63	14,485.00
Invested Current Fund	<u>2,883.70</u>	<u>2,968.26</u>	<u>3,127.53</u>	<u>2,968.00</u>
Total Invested Funds	\$208,663.08	\$196,353.32	\$226,306.61	\$231,128.00
Continuing Education Fund	\$ 3,866.84	\$ 3,551.23	\$ 3,867.00	\$ 3,551.00
Boring Data Fund	1,595.81	1,595.81	1,596.00	1,596.00
Student Loan Fund	1,404.24	2,786.98	1,404.00	2,787.00
Current Fund	—	31.74	—	32.00
Petty Cash	—	24.00	—	24.00
Group Lectures	12,776.38	19,163.59	12,776.00	19,163.00
Special Funds & Misc.	—	(574.28)	—	(574.00)
Corpus	<u>(8,954.38)</u>	<u>1,471.76</u>	<u>(8,954.00)</u>	<u>1,472.00</u>
Total Liabilities	\$ 10,688.89	\$ 28,050.83	\$ 10,689.00	\$ 28,051.00
Total Liabilities & Funds	\$219,351.97	\$224,404.15	\$236,995.00	\$259,179.00

TABLE II — CONDENSED STATEMENT OF INCOME AND EXPENDITURES — DISTRIBUTION OF FUNDS

Fiscal Year October 1, 1976 - September 30, 1977

FUND NAME	Change in Book Value from Transactions,		Transfer	Custodian Charge	Expenditures	Book Value 9-30-77
	Book Value 10-1-76	Interest, Dividends				
Permanent	\$ 81,893.89	\$ 9,018.77	\$ 5,000.00	\$ 544.17	\$ 2,716.66	\$ 85,673.49
Freeman	63,032.85	6,941.65	3,038.50	413.17		67,047.17
Turner	3,407.08	375.21		23.60		3,758.69
Fitzgerald	5,824.70	641.46		40.40	200.00	6,225.76
French	3,369.96	371.13		23.40		3,717.69
Herschel	2,176.67	239.71		15.10		2,401.28
Howe	3,723.59	410.07		25.80		4,107.86
Morse	5,398.99	594.58		37.50	200.00	5,756.07
Walker	1,680.96	185.12		11.70		1,854.38
Home	4,987.09	549.22		34.60		5,501.71
Lectures	5,592.59	615.90		38.80		6,169.69
Camp	12,296.69	1,354.20		85.30		13,565.59
Current	2,968.26	326.88	\$ 5,952.66	6,343.50		2,883.70
Subtotals	\$196,353.32	\$21,623.90	\$3,343.50	\$1,314.14	\$3,116.66	\$208,663.08

FUND NAME	Book Value 10-1-76	Receipts Fiscal Yr.	Expenditures Fiscal Yr.	Book Value Before Transfers	Transfers	Book Value 9-30-77
	Continuing Education Fund	\$ 3,551.23	\$ 2,812.82	\$ 2,497.21	\$ 3,866.84	\$ -
Boring Data Fund	1,595.81			1,595.81		1,595.81
Student Loan Fund	2,786.98	500.00	2,000.00	1,286.98	117.26	1,404.24
Group Lecture Series	19,163.59	3,938.67	10,325.88	12,776.38		12,776.38
Special Events & Misc.	(574.28)	3,542.62	3,085.87	(117.53)	117.53	-
Freeman Fund Lecture Series	-	3,038.50	2,716.66	321.84	(321.84)	-
Dinner Dance	-	3,259.00	3,141.74	117.26	(117.26)	-
Clambake	-	1,147.00	1,051.00	96.00	(96.00)	-
Technical Group Meetings	-	1,963.50	4,130.56	(2,167.06)	2,167.06	-
Entrance Fees	-	305.00		305.00	(305.00)	-
Current Fund	31.74	46,275.44	63,139.85	(16,832.67)	16,832.67	-
Invested Income Trans.	-	8,000.00		8,000.00	(8,000.00)	-
Corpus	1,471.76	-	-	1,471.76	(10,394.42)	(8,922.66)
Totals	\$28,026.83	\$74,782.55	\$92,088.77	\$10,744.61	\$	\$10,720.61

Unrecorded bank charges 31.72

\$10,688.89

TABLE III
DETAILED STATEMENT OF INCOME & EXPENDITURES

	<i>Income</i>	<i>Expenditures</i>
Prizes & Awards	\$ -	\$ 1,022.28
Loans	500.00	2,000.00
Section Dues	20,137.00	
Society Allotments	3,384.00	
Interest	882.45	
Transferred Invested Income	8,000.00	
Contributions	1,116.15	
Entrance Fees	305.00	
Publication Sales	3,496.80	
Advertising Income	1,980.00	
Local Societies - CECNE	13,152.64	150.00
ASCE Conferences		30.00
Continuing Education	2,812.82	2,497.21
Lateral Earth Pressure Lectures	3,662.11	7,748.75
Earthquake Lectures	80.00	0.00
Camp Lectures	-	2,193.10
Deep Foundations Lectures	196.56	-
Welding Lectures	-	384.00
Miscellany	662.62	834.44
Mass. Growth Conference	2,880.00	2,251.43
Office Services	-	1,887.16
Office Supplies	-	991.12
Postage	-	2,106.46
Telephone	-	476.39
Forum Printing	-	2,354.60
Journal Printing	-	19,370.40
General Printing	-	5,081.27
Section Meetings	3,273.40	4,278.39
Branch Activities		500.00
Student Activities		164.08
Secretarial Services		1,453.65
Committees		174.54
New England Council		299.52
Insurance		1,946.00
Salaries		13,382.62
Taxes		6,498.87
Rent		1,573.50
Financial		450.00
Computer Group		6.00
Construction Group	250.00	172.33
Environmental Group	315.20	473.05
Geotechnical Group	1,061.50	2,440.91
Hydraulics Group	-	-
Structural Group	288.80	1,038.27
Transportation Group	48.00	-
Dinner Dance	3,259.00	3,141.74
Freeman Fund Lecture	3,038.50	2,716.66
	<u>\$ 74,782.55</u>	<u>\$ 92,088.77</u>

TABLE IV

**PORTFOLIO OF INVESTMENTS
SEPTEMBER 30, 1977**

<i>Description</i>	<i>Book Value</i>	<i>Market Value</i>	<i>Estimated Income</i>
CASH:			
Cash	\$ 673.28	\$ 673.28	\$ -
Savings Accounts	63,300.00	63,300.00	3,513.15
BONDS:			
International Bank for Recon.	15,075.00	14,925.00	1,170.00
Florida Power Corp., 1st Mtg.	6,055.09	4,603.10	225.00
Georgia Power Corp., 1st Mtg.	5,154.60	5,031.25	168.75
Orange & Rockland Utils, 1st Mtg.	9,950.00	8,075.00	650.00
Flintkote Co. Deb.	10,450.00	9,125.00	462.50
Associates Invt. Co. Deb.	6,000.00	5,760.00	307.50
Marine Midland Corp. Deb.	5,000.00	3,571.85	250.00
Montreal CDA	10,075.00	8,075.00	600.00
International Tel & Tel PFD	1,534.39	8,346.00	481.50
STOCKS:			
Allied Chemical Corp.	4,222.50	4,387.50	180.00
Williams Cos	7,507.50	6,075.00	300.00
Warner Lambert Co.	9,937.25	10,400.00	440.00
General Mills Inc.	9,592.00	8,625.00	300.00
Dresser Industries Inc.	8,180.00	8,600.00	176.00
IMB Corp.	11,803.73	16,443.00	630.00
Exxon Corp.	988.63	9,650.00	600.00
Philip Morris Inc.	7,240.63	7,984.38	206.25
American Tel & Tel	4,332.42	15,812.50	1,050.00
Illinois Power Co.	11,591.06	6,843.75	550.00
	<u>\$208,663.08</u>	<u>\$226,306.61</u>	<u>\$12,260.65</u>

ANNUAL REPORTS OF COMMITTEES

Annual Report of Action Program — Professional Practice Committee 1977-1978

This is the third full year of operation of the committee, and its first year under BSCES's new Operations Manual, which expanded the Committee's scope and responsibilities. The Committee consisted of the following members:

Rodney Plourde, Chairman
Dominic D'Eramo, Vice Chairman
Frank Killilea, Clerk
David Gardner
Howard Perkins
Ara Shrestinian
David Thompson
John Quinn

Transportation Group
At-Large/Structural Group
Construction Group
Environmental Group
At-Large
At-Large/Construction Group
Geotechnical Group
Construction Group

The committee was quite active during the past year in monitoring legislation and governmental policies and practices which affect the engineering profession; also in representing the society at meetings of other societies dealing with matters of specific interest to BSCES; and responding to requests of governmental agencies, other organizations, and private groups for nomination and/or appointment of qualified engineering professionals to serve on various panels, commissions, and committees. Major activities of the Committee were as follows:

1. Review and Favorable Recommendation to the BSCES Board of Government for BSCES Participation in Joint Governmental Affairs Service

This Service, staffed and funded jointly by MSPE, CECNE, BSCES, MSA, and MALSCE, provides the participating societies with a broad range of services regarding governmental affairs, from basic information gathering to combined lobbying. The service operates out of MSPE headquarters at the Engineering Center and provides the type of continuous and concentrated effort which could not be available on a part-time, volunteer basis. A steering committee, consisting of one member from each society (the Chairman of the Action Program — Professional Practice Committee in BSCES's case) identifies the specific areas of shared interest and coordinates the activities of the service. Each society has a veto power over any proposed joint activity. The Service commenced in January 1978 and produced the first informational newsletter in February. The first meeting of the steering committee was held in March.

2. Review of Proposed Legislation for Professional Registration of Geologists in Massachusetts

Support of this legislation by BSCES was requested by the Legislation Committee, New England Section, of the Association of Engineering Geologists. The Action Program-Professional Practice Committee and the Geotechnical Group have formed a subcommittee to work closely with the geologists to develop precise wording of legislation which BSCES could accept and support. The subcommittee will be active into 1978-1979. At a House Governmental Regulations Committee hearing on the draft legislation in mid-March (H 2547), a joint Action Program Committee/Geotechnical Group Statement was read to that effect. H 2547 has been referred to a House study committee.

3. Review of Proposed Environmental Protection Agency Regulations for Implementing Recent Amendments to the Water Pollution Control Act

At EPA's request, BSCES, through the joint effort of the Action Program — Professional Practice Committee and the Environmental Group, reviewed and commented on the proposed regulations.

4. Recommendations to BSCES Board of Government on Candidates/Nominees to Serve on Various Public Agencies

The following requests for BSCES suggestions of qualified engineering professionals were processed by the Committee:

- (a) U.S. General Services Administration: Public Advisory Panel (Recommendation: Professor Kenneth Leet, Northeastern University).
- (b) Office of the Governor of Massachusetts: Designer Selection Board (Recommendations, jointly with MSPE and CECNE: Paul Pritzker and Richard Savage).
- (c) Massachusetts Executive Office of Environmental Affairs: Citizens Advisory Committee for Northfield Diversion Project (Recommendation, jointly with Hydraulics Group: Richard DiBuono, U.S. Army Corps of Engineers).

5. Active Participation in Other Joint Society Committee

Two committee members are active participants in the joint ASCE/AGC Committee, which has functioned for several years. John Quinn of our Committee is Chairman of the joint committee.

Looking ahead into 1978-1979, the Committee sees itself as getting fully involved with, and guiding for BSCES, the activities of the Joint Governmental Affairs Service. It also sees continued involvement with the geologists' registration proposal, and continued recommendations being made to the Board concerning nominees for specific public/private groups' committees, panels, etc. The Committee is also prepared to handle any other requests for assistance by the Board of Government which may arise.

Respectfully submitted,
Rodney P. Plourde, Chairman

Annual Report of Advertising Committee, 1977-1978

The Advertising Committee activities for the past year were rather limited. It was hoped that follow-up telephone calls, to letters sent to potential industry advertisers, last year, would be made, but due to timing and other factors, this was not done.

I feel that personal contacts with industry advertisers would be more appropriate, and think that someone in public relations should be engaged to canvas potential advertisers and solicit these ads, on a strictly percentage basis. This would give an incentive to show our publications and meet with the advertisers, and still receive some remuneration for his or her time.

One professional card advertiser was dissuaded from cancelling his ad in the *Journal*, and no new professional card ads were received.

Respectfully submitted,
John P. Hurney, Chairman

Annual Report of Annual Meeting Committee

The Annual Meeting committee is an ad hoc committee consisting of William S. Zoino, Edward B. Kinner and Leo E. Peters. The committee was created by the Board of Government to provide recommendations on the streamlining of the Annual Meeting. The committee reported to the Board of Government on November 21, 1977 with the following recommendations:

1. The afternoon meeting should be eliminated since it is poorly attended and its functions can be handled by other means.
2. The list of ASCE and BSCES life members and the list of deceased members should be read at the evening meeting.
3. The annual reports should be presented in printed form at the previous Board of Government meeting and then entered into the *Journal*.
4. The retiring President's address should be left to his discretion. It may be given at the preceding regular monthly meeting; or if technical in nature it may be given at a monthly meeting of the appropriate Technical Group; or it may be given at the Annual Meeting.
5. That the Annual Meeting be held at Anthony's Pier 4 on April 19, 1978, and that Steve Nevas be engaged as the speaker.

The Board of Government voted to accept these recommendations on November 21, 1977 and accordingly, these items have been implemented as Part I of the Annual Meeting on April 10, 1978 and Part II on the Annual Meeting on April 19, 1978.

Respectfully submitted,
 Leo F. Peters
 Edward B. Kinner
 William S. Zoino, Chairman

Annual Report of Auditing Committee

An audit of the BSCE Section checking account was performed for the period 1 October 1976 through 30 September 1977. The audit included the following:

1. An accounting of all checks written including voided checks.
2. Review of all bank charges for foreign exchange rates and overdrafts.
3. Review of checks which the Section received for which there was nonpayment.
4. An accounting of all deposits and interest.

A calculation of the closing balance commencing with the starting balance and considering the above transactions checked and indicated no discrepancies in the recorded transactions.

Respectfully submitted,
 Leo F. Peters, Secretary
 Frank E. Perkins, Director
 Edward B. Kinner, Director

Annual Report of ASCE-AGC Liaison Committee

No meetings of the full committee have been held since the last annual report pending completion of committee reorganization to include representation by members of the Utility Contractors Association of New England.

ASCE and AGC Co-Chairmen met on October 25, and a meeting of the full committee was scheduled for December 13, 1977 to discuss the makeup and procedures for the reorganized committee. Inability of UCANE members to attend prevented formalization of these matters and the meeting was adjourned early. In the belief that there is benefit to be derived however, the reorganization will be pursued.

Respectfully submitted,
 John T. Quinn, Jr.
 BSCES Co-Chairman

Annual Report of Awards Committee, 1977-1978

The Committee reviewed applicable *Journal* articles and presentations made at Society meetings, for the purpose of establishing the annual Fitzgerald, Herschel and Technical Group awards. Awards to be presented at the 1978 Annual Meeting are:

Geotechnical Group Award: G.S. Brierley Construction of the Hoosac Tunnel
1855-1876

Hydraulics Group Award: G.A. Tasker A Regional Reservoir Storage Analysis
for Eastern Massachusetts and Rhode
Island

Respectfully submitted,
Edward B. Kinner, Chairperson

Annual Report of Thomas R. Camp Fund Committee, 1977-1978

The 1978 Thomas R. Camp Lecture was held on March 1, 1978 at the MIT Faculty Club in Cambridge. Mr. Martin Lang, Vice President, Camp Dresser & McKee, Inc. was the lecturer. Mr. Lang spoke on "The State of the Art in Environmental Engineering". The lecture was attended by 30 and was well received.

Respectfully submitted,
Warren H. Ringer,
Chairman, Environmental Group

Annual Report of Clambake Committee, 1977-1978

Approximately 100 members attended the annual clambake which was held on 28 July 1977 at the Middlesex Fells Reservation in Stoneham, Mass. Following a social hour, Woodman's of Essex, Mass. catered a baked lobster feast.

Respectfully submitted,
David Freed, Chairman

Annual Report of Constitution and Bylaws Committee, 1977-1978

During the past year, there was no necessity for the Committee to interpret or take any action on the Constitution or Bylaws.

Respectfully submitted,
Saul Namyet
Max D. Sorota, Chairman

Annual Report of Continuing Education Committee, 1977-1978

The Continuing Education Committee presented a series of eleven lectures in the spring and the fall of 1977 to assist practicing engineers preparing for the state registration examination. Enrollment was approximately sixty. Questionnaires were distributed and evaluated on the effectiveness of the course and responses were incorporated in the program.

The chairman of the committee continues to sit on the continuing education committee of the Boston Architectural Society and to participate in its programs.

Respectfully submitted,
Ron Sharpin, Chairman

Annual Report of Dinner Dance Committee

The Sixteenth Annual Dinner Dance was held on Saturday, October 29, 1977 at the 57 Restaurant in Boston. This event was enjoyed by only 90 members and guests.

Respectfully submitted,
Donald T. Goldberg
Ben Rizzo
Frank J. Cullati, Chairman

Annual Report of Disadvantaged Youth Committee, 1977-1978

The committee was composed this year of the following members:

Leroy M. Cahoon
Walter J. Hickey
Robert F. Pelletier
Richard J. Scranton
Bruce Tobiasson

Northeastern University
Walter J. Hickey Associates
Camp, Dresser & McKee, Inc.
Northeastern University
Childs Engineering Corp.

During the past year the Committee continued to pursue its program of placing disadvantaged youths in entry level positions with local engineering firms. In an attempt to accomplish this, a proposal seeking entry level positions (with the potential for educational development and commensurate advancement) was circulated to approximately fifty civil engineering firms in the Boston area during the Spring and early Summer of 1977. The response to this proposal was discouraging, with only two local firms tentatively offering such positions; the result was placement of one individual with Storch Engineers of Brookline.

When this result was discussed at a Board of Government meeting, the members were of the opinion that the cause was unfavorable economic conditions at the time, and urged the committee to continue the program in 1978. In January of 1978 the committee placed a brief description of its program and a request for participation by local firms in the BSCES Newsletter. To date no response has been received. In the year ahead the Committee must re-examine this program and/or its methods of implementation.

A more encouraging aspect of the committee's work over the past year was approval by the Board of Government of its recommendation for allocation of \$400 by BSCES to help sponsor minority high school students in a three-week summer institute, "What is Engineering", sponsored jointly by ASCE's National Committee on Minority Programs and Northeastern University.

Respectfully submitted,
Richard J. Scranton, Chairman

Annual Report of John R. Freeman Fund Committee, 1977-1978

The Tenth John R. Freeman Memorial Lectures were held at the Center for Advanced Engineering Study, MIT, Tuesdays, 7:00-8:45, April 12, 19, 26, May 3 and 10, 1977. The lecturer was Professor Peter S. Eagleson, MIT, who addressed the subject — "The Annual Water Balance, An Introduction to New and Powerful Methods of Hydrology." Registered attendance was 170, including 22 students. Receipts from nominal fees charged were \$3,040 of which \$204 covered the costs of light refreshments and \$2,836 was transferred to the general funds of the Society at the request of the Board of Government. Direct costs of the lectures — lecturers' honorarium and lecture notes — came to \$2,400 and these were paid from Freeman Fund income. A summary of the lectures will be submitted by Professor Eagleson for publication in the *Journal*.

Respectfully submitted,
Lee Marc G. Wolman, Chairman

Annual Report of History and Heritage Committee, 1977-1978

On September 12, 1977, Minot's Ledge Lighthouse off Cohasset was dedicated as a National Historic Civil Engineering Landmark. In impressive ceremonies at Government Island Park on Cohasset Harbor, the plaque was presented by Mr. William R. Gibbs, then President Elect of ASCE, to the United States Coast Guard which in turn presented it to the Town of Cohasset. The fine cooperation of the Coast Guard and the people of Cohasset made the occasion especially memorable.

On November 17, 1977 we were advised that the Board of Direction of ASCE had designated Boston Naval Shipyard Dry Dock No. 1 in Charlestown as a National Historic Civil Engineering Landmark. This nomination was made jointly with the Virginia Section and also included Norfolk Naval Shipyard Dry Dock No. 1, the two pioneer dry docks having been designed together and built concurrently. The committee is working with the National Park Service on arrangements for the Charlestown Dry Dock dedication.

On November 30, 1977, the committee submitted to the ASCE National Committee on History and Heritage of American Civil Engineering the nomination of the Tremont Street subway tunnel in Boston as a National Historic Civil Engineering Landmark. We are now awaiting the Committee's recommendation to the Board of Direction on this nomination.

The committee is also working on two future nominations. The committee has been in contact with the Western Massachusetts Branch in regard to the possible nomination of the Borden Baseline. Material has also been gathered for the nomination of Harvard Stadium.

Little progress has been made on the establishment of Massachusetts Historic Civil Engineering Landmarks for sites of local, if not national, importance. This program should be given attention in the coming year. We ask the cooperation of all members in submitting data on local sites to the Committee.

Respectfully submitted,
H. H. Holly, Chairman

Annual Report of The Ralph W. Horne Award Committee, 1977-1978

The committee hereby nominates as recipient for the Ralph W. Horne Award in 1978 —

Nathaniel N. Wentworth, Jr.

We do this on the basis of a very outstanding record of public service. Attached to this report is a copy of a nominating letter from Max D. Sorota together with documentation of Mr. Wentworth's activities.

In past years the committee has had some difficulty in locating candidates who meet the requirements for the award. We therefore suggest that the Board consider changing the scope of the activities to be considered, perhaps by including unpaid professional service (e.g., service on national ASCE committees).

Respectfully submitted,
Robert V. Whitman
Frank J. Heger
John M. Biggs, Chairman

(Ed. Note: Attachments are on file in Section office.)

Annual Report of Investment Committee, 1977-1978

The Investment Committee held several meetings to discuss our general investment policy and explore alternate strategies. As a result, we have recommended to the Board of Government that the section should permit the Boston Safety Deposit and Trust Company to continue to use its good judgment for an indefinite period so that we can develop a record of experience for future consideration.

In the past year our portfolio has been modified in a significant manner for the first time in many years. The Treasurer's report for fiscal 1976-1977 shows how the portfolio has been changed from October 1976 through September 1977.

Respectfully submitted,
Max D. Sorota
Howard Simpson
Lee M. G. Wolman
Charles C. Ladd
Saul Namyet, Chairman

Annual Report of Key Man Committee, 1977-1978

The Key Man Committee acts as a line of rapid communication between the Section and its members in local firms. Its primary purpose is to remind members of upcoming Section meetings or events.

At present there are 65 firms or institutions with key men tied into the committee and the effectiveness in boosting attendance at society functions appears to be quite satisfactory.

Respectfully submitted,
Robert M. Fitzgerald, Chairman

Annual Report of Membership Committee, 1977-1978

Committee members for this year included:

Philip Caruso
Arthur Franz
Owen MacDonald
Richard McAllister

Membership committee activity during the year has focussed on its role of increasing membership within both ASCE and the BSCE Section. This has required the completion of certain basic work elements established by this committee last year as essential to an effective recruitment program.

In particular, tasks completed include the final printing of a BSCE Section informational pamphlet which has been distributed to non-subscribing ASCE members within the district, as well as to civil engineers within the district who are non-ASCE-BSCE members. The purpose of the pamphlet is to answer fundamental questions, about Section activities and benefits to available members, in the most expeditious and effective manner possible, and thus serve as motivation toward speedy enrollment.

Other sources for increased membership are college seniors and recent graduates. A series of working sessions has been held with student chapter committee representatives to develop ways of attracting new members. In particular the short and long-range consequences of allowing dues exemption for the first year to all graduates who were student chapter members has been presented to the Section Board for review.

Respectfully submitted,
Philip J. Caruso, Chairman

Annual Report of Nominating Committee, 1977-1978

The Nominating Committee met on September 15, October 12, November 9 and December 21, 1977.

The recommended nominations of the Section to ASCE National committees were transmitted to the BSCES Executive Director on 12 January 1978 as follows:

Education Division

Executive Committee	Charles C. Ladd
Curricula and Accreditation Committee	Robert Pelletier

Professional Practice Division

Registration of Engineers Committee	Max D. Sorota
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The slate of BSCE Section officers for the year 1978-79 was transmitted to the Secretary on 19 January 1978 as follows:

President	Howard Simpson
Vice President (2-year term)	Frank E. Perkins
Secretary	Leo F. Peters
Treasurer	Saul Namyet
Directors (2-year term)	Robert L. Meserve
	Stanley C. Rossier
Nominating Committee (Elect 3)	Frank J. Heger
	Sandra L. Johnson
	Marvin W. Miller
	John P. Sullivan
	Paul J. Trudeau
	Rubin M. Zallen

All nominees were contacted to obtain their consent prior to submission of their names.

The names of Ralph W. Horne of Fay, Spofford & Thorndike and Albert G. H. Dietz of MIT were placed in nomination for Honorary Membership in ASCE.

The Committee recommended that the Board of Government endorse Mr. Russell Stearns of New Hampshire as the candidate for ASCE District 2 Director.

Respectfully submitted,
Thomas K. Liu, Chairman

Annual Report of Operations Manual Committee, 1977-1978

The Operations Manual Committee completed writing the Manual in the Spring of 1977. It was submitted to the Board of Government for review and was approved by the Board in June 1977. The Manual was subsequently printed and distributed for use in August. Recommendations for appropriate updating and revisions are welcomed by the committee.

Respectfully submitted,
Edward B. Kinner, Chairperson

Annual Report of the Program Committee, 1977-1978

The program committee coordinates and manages the scheduling of all BSCE Section activities. The Section once again has had a full schedule of activities, including 38 meetings of Technical Groups in 1977-1978. Included in these meetings were seven joint meetings, and a joint meeting with the Boston Transportation Group.

A successful clambake, a dinner dance, and the annual meeting of the Section were held as reported elsewhere.

There were also two lecture series sponsored by technical groups. The Geotechnical Group sponsored a lecture series on Design of Foundations for Repeated and Dynamic Loads. The Structural Group conducted a lecture series on Welding. These lecture series are reported elsewhere under the reports of the Structural Group and Geotechnical Group.

Respectfully submitted,
William S. Zoino, Chairman

Annual Report of the Publications Committee, 1977-1978

The following is a combined Annual Report of the Publications Committee and the *Journal* Editor for the period April 1977 to March 1978.

Papers Received	6
Papers Rejected	1
Papers Accepted, Published or in Press	4
Papers under Review	1

Volume 64 of the *Journal* contained seven papers, including a state-of-art paper by Rolf Eliassen; two presidential addresses; and the usual proceedings and annual reports. The number of papers submitted to the publications committee during this report period is rather small compared to last years' figures. A continued effort should be made to solicit more papers.

The total number of subscriptions is approximately 2200, of which about 300 come from libraries, etc.

Respectfully submitted,
Mohsen M. Baligh, Chairman
Edward C. Keane, *Journal* Editor

Annual Report of the Student Chapter Committee, 1977-1978

The Student Chapter Committee members were: Paul J. Trudeau, Chairman and Daniel Donahue, Lewis Edgers, Roger Gardner, Michael Kupferman, John Roma, Charles Rosselli, and Richard Scranton.

Regular business included sponsorship of Student Night at which student awards and student loans were presented; liaison with ASCE Student Chapters in eastern Massachusetts; solicitation of funds from area firms for the student loans; and arranging for Contact Members for those schools in need of Contact Members.

On March 16, 1978, the Student Night dinner meeting was held at Northeastern University, with 137 students and 44 professionals in attendance. Following the dinner and an introduction by Paul Trudeau, Chan Rogers, ASCE Vice President, Zone 1, presented the following awards from National ASCE:

AWARDS

ASCE Certificates for Outstanding Service to the Student Chapter of:

Northeastern University

Southeastern Massachusetts University

University of Lowell

RECIPIENTS

Richard Scranton, Faculty Advisor

Michael Kupferman, Faculty Advisor

Frederick Law, Faculty Advisor

Donald Leitch, Faculty Advisor

Charles C. Ladd, President of BSCES/ASCE, presented the following BSCE Section awards:

Howe-Walker Student Awards

Donald Di Martino	Merrimack College
Oton Iskarpatyoti	Massachusetts Institute of Technology
Thomas Ford, Raymond Gelinis	Northeastern University
John M. Pereira	Southeastern Massachusetts University
E. Grayson Waltersdorf	Tufts University
Stephen T. Kicinski	University of Lowell
Barbara A. Royce	University of Massachusetts
David R. Ferris	Wentworth Institute
Andrew Faiss	Worcester Polytechnic Institute

Desmond Fitzgerald Scholarship Award (\$200)

Glenn Dugas
Northeastern University

William P. Morse Scholarship Award (\$200)

Chesley Chen
Tufts University

BSCES Student Loan (\$1,000)

Paul E. Cyr
Northeastern University

BSCES Student Loan (\$1,000)

Thomas A. Winterstein
Northeastern University

Guest speaker for the evening was Dr. Gary Goshgarian, an Associate Professor of English at Northeastern University. Dr. Goshgarian gave a most entertaining presentation on life on Earth as viewed by a Martian reporter. A film of "bloopers" from "Star Trek" was also presented.

Student Night was enjoyed and considered most beneficial by all present. It is noted, however, that this year's Student Night, as in the past, was not well attended and supported by BSCES members other than those in universities and colleges, and on the Student Chapter Committee. If student interest and subsequent involvement in the Civil Engineering profession is to be fostered, the BSCES membership must actively demonstrate its interest in the professional development of the students. The consistently poor attendance of non-university and college associated members at Student Night, accentuated this year by a meager attendance of only 13, clearly substantiates that this interest and support is not being given.

This year the Student Chapter Committee assumed the task of soliciting funds for the interest-free students loans presented each year on Student Night. Solicitations were made to over 600 firms in Massachusetts. Special thanks are extended to the following firms, whose gracious response enables the continuation of this very worthwhile effort:

Camp, Dresser and McKee, Inc.	Abraham Woolf and Associates, Inc.
Gale Engineering	Arthur Schofield, Inc.
Geotechnical Engineers, Inc.	Sippican Consultants International, Inc.
Goldberg, Zoino, Dunningcliff and Associates, Inc.	Harvey, Tracy and Associates, Inc.
Haley and Aldrich, Inc.	Ricciardi Associates
F. H. Ledgard	Haley & Ward, Inc.
Chas. T. Main, Inc.	CE Maguire, Inc.
Simpson, Gumpertz and Heger, Inc.	

The Student Chapter Committee has also maintained contact with Student Chapters in Massachusetts throughout the year and made itself available at any time to aid in their activities.

In 1978, the Student Chapter Committee intends to strengthen the ties between the Student Chapters and the BSCES and will continue to promote efforts to this end.

Respectfully submitted,
John R. Roma, Secretary
Paul J. Trudeau, Chairman

Annual Report of Committee for ASCE National Convention, 1977-1978

The 1979 ASCE National Convention is scheduled for April 1-6, 1979 at the Sheraton-Boston Hotel. The BSCE Section's committee on arrangements is made up of 50 persons covering all elements of the convention planning. The Steering Committee is made up of the following major divisions, headed by the chairmen and co-chairmen listed below:

Program

Edward B. Kinner/John J. Cusack

Activities

Robert B. Barton/Brian R. Hogan

Attendance

Philip J. Caruso/Paul J. Trudeau

Publicity

Michael T. Gruenbaum/Dalton Baugh

Exhibits

Judy Nitsch Donnellan/Rubin M. Zallen

Finance

Richard J. Bedard

National ASCE

Cranston R. Rogers, Vice President, Zone 1

Convention and Exhibit Manager

Alfred J. Favata

Director, Technical Services

Albert W. Turchick

General Chairman of the National Convention

Bertram Berger

The Steering Committee met three times during the past year, on September 16 and December 7, 1977 and March 29, 1978. The full Convention Committee met twice, on March 31, 1977 and January 31, 1978. The committees have been very active in planning all aspects of the convention: field trips; luncheons; students; exhibit; professional, younger-member, and ladies programs; and social events.

Also included were special committees responsible for encouraging participation and attendance by local and National members. It is anticipated that at least 3,000 to 3,500 will attend the convention. To accommodate this number, a major activity of this kind requires very close interrelationship between the metropolitan government, colleges, businesses, and local engineering firms.

A program is being planned around the many special projects in the New England area and the eastern part of Massachusetts, as well as other professional organizations, colleges, contractors, and related groups.

Although this convention is being held in Boston, it is being supported by the New England Council of ASCE, the local chapters in each state, and the New England Conference of Student Chapters. Many new approaches are being used to attract local members, students, and wives.

Also as part of this convention, there will be exhibits by suppliers and manufacturers of construction materials and equipment.

The budget for this convention, local and National, is about \$100,000. The Boston Section will be expected to raise \$20,000 to \$25,000 from local contributors. Engineering firms, suppliers and other related industries will be asked for financial support.

Work of the convention committee is on schedule, and publicity should start to unfold as the convention date approaches.

Respectfully submitted,
Bertram Berger, Chairman

ANNUAL REPORTS OF TECHNICAL GROUPS

Annual Report of Computer Group, 1977-1978

The following served on the Executive Committee:

Chairman	James N. Jackson
Vice Chairman	Salvatore G. Mazzotta
Clerk	Robert A. Wells, Jr.
Member	Joseph F. Willard
Member	John D. Goodrich
Member	Lewis H. Holzman

All meetings were held at the MIT Faculty Club in Cambridge.

October 5, 1977. Microcomputers: Dr. James N. Jackson of James N. Jackson & Associates spoke on the recent introduction of microprocessors and their impact on computer specialists in the consulting engineering fields. The presentation included discussion of the use of microprocessors as engineering control tools, and microcomputers for personal use by engineers. Attendance, 15. This was also an official meeting of the BSCE Section.

November 30, 1977. ESP-I: Mr. Francis Ferreira of Stone & Webster Engineering Corporation spoke on a recently completed program for simulating the operation of the mechanical systems of a building and computing the annual energy consumption. The program, developed for Automated Procedures for Engineering Consultants (APEC), has the unique capability of handling the condition when the heating or cooling systems are unable to meet their loads. Attendance, 35.

March 15, 1978. COSTMOD: Dr. Robert Logcher of the Civil Engineering Department of MIT spoke on a program for construction cost modeling. The program, used during design, allows the user to structure the data for his project as a tree, allowing functional relationships between items in the model. The system allows for the equipment, labor, and material components of the cost, and does limited time phasing for cash flow. The program has been used on industrialized housing in Israel. Attendance, 16.

Officers for 1978-1979 were elected at the March 15 meeting as follows:

Chairman	Salvatore G. Mazzotta
Vice Chairman	Robert A. Wells, Jr.
Clerk	John D. Goodrich
Member, Executive Committee	Glenn Orenstein
Member, Executive Committee	Mukti Das
Member, Executive Committee	James N. Jackson

Respectfully submitted,
Robert A. Wells, Clerk

Annual Report of Construction Group, 1977-1978

The Executive Committee this year consisted of the following:

Chairman	John P. Sullivan
Vice Chairman	Stephen G. Walker
Clerk	John R. Roma
Member	Norman Bennett
Member	Laimonis Rieksts
Member	Samuel E. Rice III

The following meetings were held during the past year:

October 12, 1977. Dinner meeting at the Red Coach Grill. Mr. Robert Adler, Assistant Manager of Fidelity and Deposit Company of Maryland spoke on "Construction Bonding". Attendance, 17. Officers for 1977-1978 (listed above) were elected at this meeting.

December 14, 1977. Dinner meeting at the Red Coach Grill. Dr. James D. Corbin, MBTA's Director of EEO/AA program, spoke on "Minority Participation in Construction". Attendance, 25. This was also an official BSCE Section meeting.

February 15, 1978. Dinner meeting was cancelled due to conditions following blizzard of February 6-7.

May 23, 1978. A joint dinner meeting with the Geotechnical Group is scheduled to be held at Tufts University. The topic will be "Offshore Development".

Nominations and elections for 1978-1979 will be held at the first regular meeting in the fall.

Respectfully submitted,
John R. Roma, Clerk

Annual Report of Environmental Group, 1977-1978

The Executive Committee this year consisted of the following members:

Chairman	Frederic C. Blanc
Vice Chairman	Peter B. Knowlton
Clerk	Warren H. Ringer
Member	Benjamin J. Fehan
Member	Steven H. Corr
Member	Jerry C. Potamis

Four meetings will have been held by the close of the 1977-1978 year, as follows:

October 26, 1977. At Purcell's Restaurant in Boston. A discussion "Funding of Sewage Collection Systems Projects" was presented by Mr. Lester Sutton, Director, Water Programs Division, EPA Region I. Mr. Sutton presented EPA Region I interpretation of PRM 77-8 (funding of collection sewers). Attendance, 49.

February 1, 1978. At Purcell's Restaurant in Boston. A paper on "Land Application of Sludge" was presented by Professor Robert G. Light, Professor of Agricultural Engineering, University of Massachusetts. The uses of wastewater treatment sludges on agricultural land and for land disposal were discussed. Projects that employ this method of sludge disposal were also reviewed. Attendance, 30.

March 1, 1978. At M.I.T. Faculty Club in Cambridge. A lecture on "A State of the Art of Environmental Engineering" was presented by Mr. Martin Lang, Vice President, Camp Dresser & McKee, Inc. This was the 6th annual Thomas R. Camp Lecture. Mr. Lang discussed how environmental engineering has changed during the past several decades and what is required of the environmental engineer today to produce an acceptable project. Mr. Lang frequently cited experiences in the field gained while working many years for the City of New York. Attendance, 30. This was an official BSCE Section meeting.

This was also the Environmental Group's Annual Meeting. The following officers were elected for the coming year:

Chairman	Warren H. Ringer
Vice Chairman	Benjamin J. Fehan
Clerk	Steven H. Corr
Member, Executive Committee	Jerry C. Potamis
Member, Executive Committee	James O'Shaughnessy
Member, Executive Committee	Edward Boyajian

April 25, 1978. The annual outing of the Environmental Group will be a field trip to the Resource Recovery and Steam Generation facility in Saugus. Tours of the facility will be conducted from 3:00 to 5:00 P.M.; Mr. Robert Foster, General Manager, RESCOE Facility will discuss operations. Dinner will be at the Ship Restaurant in Lynnfield.

Respectfully submitted,
Warren H. Ringer, Clerk

Annual Report of Geotechnical Group, 1977-1978

The following were officers of the Geotechnical Group, 1977-1978:

Chairman	Peter K. Taylor
Vice Chairman	David E. Thompson
Clerk	Anthony C. Barila
Member, Executive Committee	Joseph D. Guertin
Member, Executive Committee	Asaf Qazilbash
Member, Executive Committee	Lewis Edgers
Chairman, Forum Committee	Joseph J. Rixner

The Group held the following meetings this year:

May 17, 1977. "The Teton Dam Failure", a lecture by Mr. Robert J. Farina, U.S. Bureau of Reclamation. The meeting was a joint meeting with the Association of Engineering Geologists, at the Ledgemont Laboratory, Kennecott Copper Corp. John Peck of AEG presided. Attendance, 120.

September 20, 1977. "An Overview of Tunnel Construction — Past and Present". A lecture by Professor Ronald Heuer of the University of Illinois, presented at Tufts University. Presiding was Dr. L. Edgers. Attendance, 88.

October 18, 1977. "Design and Construction of Cellular Structures". A lecture by Mr. E.P. Swatek, Consulting Engineer, presented at Tufts University. Presiding was Mr. David Thompson. Attendance, 45.

November 16, 1977. "Stress Deformation and Strength Characteristics". A lecture by Dr. C.C. Ladd, presented at Tufts University. Presiding was Mr. J. Rixner. Attendance, 75. This was also an official BSCE Section meeting.

December 13, 1977. "Rock Drilling for Subsurface Explorations". A panel discussion by Dr. Gary S. Brierley of Haley and Aldrich, Dr. Ronald Hirschfeld of Geotechnical Engineers, Mr. Eric Butler of Guild Drilling Company, and Mr. Budd Burger of Christensen Diamond Products. The meeting was held at Tufts University. Mr. J. Rixner presided. Attendance, 60.

January 17, 1978. "Grouting Technology, Past and Present". A lecture by Dr. Wallace H. Baker, Haywood Baker Co., presented at Tufts University. Mr. J. Guertin, presided. Attendance, 51.

Lecture Series

A lecture series arranged by the Geotechnical Group, entitled "Foundation Design for Dynamic and Repeated Loading" began on March 14, 1978. Attendance at the first lecture was 250. The subjects were as follows:

March 14, 1978. "State of the Art and Fundamentals" by Professor R.V. Whitman.

March 21, 1978. "Dynamic Behavior of Soil Structure Systems" by Dr. John Christian, and "Response of Soils to Dynamic Loads" by Dr. Gonzalo Castro.

March 28, 1978. "Seismic Design of Embankments" by Professor H.B. Seed.

April 4, 1978. "Seismic Analyses of Tall Buildings" by Dr. R. McNeill.

April 11, 1978. "Machine Foundation Design for Vibratory Loading" by Professor Frank E. Richart, Jr.

April 18, 1978. "Foundation Design of Offshore Structures for Wave Loading" by Dr. Brian J. Watt.

Officers and Executive Committee members for 1978-1979 are as follows:

Chairman	David E. Thompson
Vice Chairman	Anthony C. Barila
Clerk	Joseph D. Guertin
Member, Executive Committee	Asaf A. Qazilbash
Member, Executive Committee	Lewis Edgers
Member, Executive Committee	Joseph J. Rixner

Respectfully submitted,
Anthony C. Barila, Clerk

Annual Report of the Hydraulics Group, 1977-1978

The Executive Committee for this year consisted of the following members:

Chairman	Thomas F. Doucette
Vice-Chairman	Richard Di Buono
Clerk	Reynold Hokenson
Member	Russell Peterson
Member	Edward P. Dunn
Member	Oscar Donati

The following meetings were held during the past year:

September 28, 1977: Discussion on programming of the Group's future activities. Guest speaker was Mr. George E. Hecker of the National ASCE Hydraulics Division, who spoke on national activities. The meeting was held at The Ralph M. Parsons Water Resources Laboratory at MIT. Attendance, 11.

November 9, 1977. Warner W. Wayne, Jr., Chief Hydraulic Engineer, Stone & Webster Engineering Corp., spoke on tidal power prospects for New England. The talk covered the development of tidal power in the United States; potential projects in New England; and design and construction features. The meeting was held at the Ralph M. Parsons Water Resources Laboratory at MIT. Attendance, 40.

January 25, 1978. A seminar on engineering and legal aspects of drainage facilities was presented, featuring three speakers. Design was covered by William S. Parker, PE, Chief Engineer, Bryant Associates, Inc., Boston; Municipal aspects by Thomas Feeney, PE, Past Chairman, Westwood, Mass. Conservation Commission; and legal by Emerson Chandler, Esq., Attorney, Massachusetts Water Resources Commission, Division of Water Resources. The talks focussed on hydrologic, hydraulic and legal considerations in the analysis of storm drainage problems. The meeting was held at CE Maguire, Inc. offices in Waltham. Attendance, 42. This was also an official meeting of the BSCE Section.

March 8, 1978. John Baker, District Chief, U.S. Geological Survey, Water Resources Division, spoke on water resources investigations being accomplished by his agency. The talk focussed on what data is collected, how it is obtained and how the reports can be used. The meeting was held at the Ralph M. Parsons Water Resources Laboratory at MIT. Attendance, 8.

May 10, 1978. Elections of Hydraulic Group officers, 1978-1979, will be presented at the meeting. The nominations will be:

Chairman	Richard Di Buono
Vice-Chairman	Reynold Hokenson
Clerk	Russell C. Peterson
Member, Executive Committee	Robert H. Taylor
Member, Executive Committee	Edward P. Dunn
Member, Executive Committee	Thomas F. Doucette

Ed. note: The scheduled speaker for the May 10 meeting was unable to appear. Mr. Richard Di Buono of the Corps of Engineers and Mr. Thomas Doucette of the Massachusetts Division of Water Resources gave a talk on what happened to the Massachusetts coast in the great blizzard of February 6-7, 1978.

Respectfully submitted,
Reynold Hokenson, Clerk

Annual Report of Structural Group, 1977-1978

The Executive Committee this year consisted of the following members:

Chairman	Frank J. Heger
Vice Chairman	Franklin B. Davis
Clerk	Richard A. Foley
Member	James M. Becker
Member	Kenneth B. Wiesner
Member (Immediate Past President)	Kentaro Tsutsumi

Meetings held by the Structural Group were as follows:

November 8, 1977. Mr. Omer W. Blodgett, Welding and Design Consultant, The Lincoln Electric Company, spoke on "Structural Welding Today". With the use of slides, Mr. Blodgett discussed building codes, pipe welding, electroslag welding and lamellar tearing. The meeting was a buffet luncheon held at the MIT Student Lounge. Attendance, 57.

December 7, 1977. Dr. John W. Fisher, Fritz Engineering Laboratory, Lehigh University, presented the AISC 1977 T. R. Higgins Lectureship Award paper entitled "Fatigue Strength of Steel Beams with Welded Stiffeners and Attachments". Preceding the slide-illustrated talk, the film "Bridge Research for Safer Highways" was shown, reporting on the dynamic load testing of a full-size continuous bridge girder. This was an evening meeting, held at the MIT Center for Advanced Engineering Studies. Attendance, 73.

February 22, 1978. Professor A. G. Davenport, Director, Boundary Layer Wind Tunnel Laboratory, the University of Western Ontario, presented a talk on "Wind Loading and Structural Design". With the use of slides Prof. Davenport reviewed wind engineering, past and present, and discussed wind tunnel testing based on several constructed projects. An evening meeting, held at MIT, Room 54-100, Green Building. Attendance, 53. This was also an official meeting of the BSCE Section.

April 5, 1978. Mr. David Geiger of Geiger-Berger Engineers presented a talk on the design of large air-supported membrane structures. With the use of slides, Mr. Geiger reviewed the engineering of projects previously constructed and now under design. Attendance, 33.

This evening dinner meeting, held at the MIT Faculty Club, was the annual meeting. The Election of officers was held for 1978-1979. Elected were:

Chairman	Franklin B. Davis
Vice Chairman	Richard A. Foley
Clerk	James M. Becker
Member	Kenneth B. Weisner
Member	Maurice A. Reidy
Member (Immediate Past President)	Frank J. Heger

Lecture Series

Besides the regularly scheduled meetings, the Structural Group, in cooperation with MIT, sponsored a lecture series on Structural Welding for Engineers. The program of four lectures was held at MIT Room 54-100, Green Building. Attendance, 303. The lectures are briefly described as follows:

October 25, 1977. Mr. Carl W. Ott, Welding Engineer, U.S. Steel Corporation gave the introductory lecture on welding metallurgy.

November 1, 1977. Mr. James F. Clauson, District Manager, The Lincoln Electric Company, and his associates, Mr. Jo D'Amelio and Mr. Thomas Less, discussed welding processes and performance.

November 8, 1977. Mr. Omer W. Blodgett, Design Consultant, The Lincoln Electric Company, spoke on weld design, joint selection, and performance of welded structures.

November 15, 1977. Mr. William H. Levelius, Vice President, Pittsburg Testing Laboratory, and Mr. Dexter A. Olsson, Metallurgical Engineer, Bethlehem Steel Corporation, discussed quality control and inspection.

During the year, meetings of the Executive Committee were held to plan the lecture series and regular meetings, and to discuss other matters relative to society business.

Respectfully submitted,
Richard A. Foley, Clerk

Annual Report of the Transportation Group, 1977-1978

The Executive Committee this year consisted of the following members:

Chairman	Robert J. McDonagh
Vice Chairman	A. Russell Barnes, Jr.
Clerk	Rocco A. Mancini
Member	Edmund J. Condon
Member	Robert A. Snowber
Member	Anthony J. DiSarcina
Member, Past Chairman	Marvin W. Miller

The following meetings were held during the past year:

May 18, 1977. Offshore Development Seminar: Speakers, Ms. Cathy Donaher, Director of Planning, MassPort; Mr. Stuart C. Mut, Vice President of Atlantic Richfield Co.; Representative Thomas C. Norton, 9th Bristol District, Fall River; Mr. Matthew B. Connolly, Director of Fisheries & Wildlife; Mr. Howard N. Nickerson, Executive Director of the New England Fishing Industry Steering Committee; Mr. Frank Basile, Manager, U. S. Bureau of Land Management — Outdoor Continental Shelf. The speakers gave an interesting presentation of the pros and cons for offshore development. The luncheon speaker was Dr. Evelyn Murphy, Secretary of the Massachusetts Executive Office of Environmental Affairs. The meeting was held at Anthony's Pier 4 Restaurant. Attendance, 120.

September 21, 1977. Commuter Boats and Facilities: The speaker was Senator Allan R. McKinnon of the South Shore. The Senator described the efforts to initiate commuter boat service and the proposed agency to manage such service. He emphasized the need for more dependable service than can now be provided. This was a luncheon meeting at Joseph's Aquarium-2 Restaurant. Attendance, 66. This was also an official meeting of the BSCE Section.

December 1, 1977. Emerging Transportation Policies: This seminar was a joint meeting with the BTG (Boston Transportation Group) from 9-12 AM, followed by luncheon, at Anthony's Pier 4. The morning speakers included Frederick P. Salvucci, Secretary, Executive Office of Transportation and Construction, moderator; John J. Carroll, Commissioner, Massachusetts Department of Public Works, who spoke on the highway problems; David W. Davis, Executive Director, MassPort, who spoke on the Port's problems; Robert R. Kiley, Chairman, Massachusetts Bay Transportation Authority, who highlighted the MBTA's Operating problems; and Arrigo Mongini, Executive Secretary, Central Transportation Planning Staff, who outlined the planning roles. The luncheon speaker was Ken Orski, of the Urban Mass Transportation Administration, who outlined some of the provisions of the pending Federal Transportation Bill of 1978. Attendance, 260.

January 11, 1978. Progress in Boston's Redevelopment Projects; The New Boston: This was a dinner meeting with Robert F. Walsh, Director, Boston Redevelopment Authority, as speaker, held at Nick's Restaurant. Mr. Walsh spoke of the many redevelopment projects underway, and outlined the difficulties with making progress on some of them. Attendance, 66.

This was the annual meeting of the Transportation Group; an election was held and the following were elected as officers for 1978-79:

Chairman	A. Russell Barnes, Jr.
Vice Chairman	Rocco A. Mancini
Clerk	Edmund J. Condon
Member	Robert A. Snowber
Member	Anthony J. DiSarcina
Member	Thomas F. Humphrey
Member, Past Chairman	Robert J. McDonagh
Representative to JRTC:	Marvin W. Miller

March 16, 1978. The Massachusetts Growth Policy: This was a joint luncheon meeting with the BTG (Boston Transportation Group) held at Polcari's Restaurant. The speaker was Frank T. Keefe, Director, Office of State Planning, who spoke on the Massachusetts Growth Policy and its impact on State Transportation Policy. Mr. Keefe described the history of the Growth Policy and its overall objectives, and cited several instances where it is being implemented. Attendance, 82.

Meetings of the Executive Committee were held on October 7, 1977; October 18, 1977; November 7, 1977; January 27, 1978; and March 3, 1978.

Respectfully submitted,
Rocco A. Mancini, Clerk