

Finances

The finances of the Society have become increasingly complex. It is not intended to give a historical analysis in any detail here. A few comments and a tabular summary is all that is attempted.

FUNDS

The Society used to keep its books on a basis of funds. In 1938 these included the Life Membership Fund, which was a reserve calculated actuarially to meet the obligations of the Society to life members. There were various operating funds, such as the Semicentennial Celebration Fund, the *Bulletin* Reprinting and Index Fund, the *Transactions* Reprinting and Index Fund, the *Transactions* Life Subscription Fund, and the Colloquium Publication Fund, in which funds accumulated in anticipation of future expenses. There were active operating funds such as the *Bulletin* and *Transactions* Funds, in which the income and expenses for each year were equal because there was an appropriation from general receipts if necessary to achieve that state. Salaries were apportioned among funds by estimating the fraction of time spent. There was no such item as overhead. It should be recalled that the kind of expense associated with overhead was minimal. There was no rent for space and management was by officers.

In 1938 there were also endowment and quasi-endowment funds, the former specifically designated as such by the Society or the donor, and the latter handled as endowment even though that status could be changed by the Trustees. These funds were the Bôcher Fund, the Cole Fund, the Moore Fund, and the beginnings of the Reilly Fund.

The Bôcher and Cole Funds supported the respective prizes. The Moore Fund was used at the discretion of the Council for publication of books or memoirs or for prizes. The Reilly Fund, opened in 1937, came from an estate in the process of being settled and was "to be used for the advancement of research in pure mathematics." It ultimately amounted to \$23,600.

In the period since 1937, a number of bequests and special funds have appeared, a few of which are detailed here. The principal of the estate of

Robert Henderson came to the Society in 1961. Henderson was an actuary with the Equitable Life Assurance Society, the second Gibbs Lecturer (1924), and one of the Trustees at the time of incorporation in 1923. He served as trustee in 1924–1928 and 1931–1940. The bequest was placed in the general endowment and increased it by \$547,223.20 from less than one hundred thousand dollars to more than six hundred thousand.

The Birkhoff Prize was endowed in 1967 with a gift of \$2066 from the Birkhoff family, augmented with other gifts.

The Norbert Weiner Prize was endowed in 1967 with a gift of \$2000 from the Department of Mathematics of the Massachusetts Institute of Technology.

The Steele Prizes were established in 1970 from a bequest of the residual estate of Leroy P. Steele, amounting to about \$145,000, with some temporary items of income as well.

The Joseph Fels Ritt Memorial Fund was a bequest from Estelle F. Ritt, received in 1965 and amounting to \$22,500. It was to be used for the publication of works in mathematics.

The status of funds was altered in 1986. Along with the Reilly and Ritt Funds the Society held several other quasi-endowment funds. These included the *Mathematical Reviews* Fund of \$80,000 provided by the Carnegie Corporation when the journal was founded, royalties owed to Russian authors but not claimed in person and amounting to \$69,452, the fund of \$66,000 from the sale of the library, and the Friends of Mathematics Fund of \$43,152 accumulated from smaller contributions. There was in addition a Dues and Publication Reserve accumulated since its establishment in 1964 to the amount of \$148,671 and a Future Operations Fund of \$356,041 that came from surplus of previous years. With the Cole Prize Fund of \$2550, which was not a formal endowment, and some smaller funds the total was \$796,417. All the above figures come from 31 December 1984. In May 1986, quasi-endowment funds were consolidated. The Dues and Publications and *Mathematical Reviews* Funds were added to the Future Operations Fund. The other quasi-endowment funds, excepting the Cole Prize Fund and the Russian Royalty Fund, were consolidated with the Friends of Mathematics Fund. The income from that fund is used for general purposes of the Society but is available for a special purpose should the Council and Board of Trustees designate one.

At the end of 1987 the total of endowment funds, including prize funds, stood at \$2,018,200 and the total of quasi-endowment funds, including

Friends of Mathematics, Russian Royalties, and Future Operations, amounted to \$3,971,411.

THE FISCAL YEAR

The fiscal year of the Society in 1938 ran from 1 December to 30 November. That is, the Annual Meeting was the first event of the year.

In 1953 a firm of accountants was engaged. They made several recommendations, including change in accounting from a strict cash basis to a form of accrual basis. This was done effective 1 June 1953. Thus there is a short year, 1 December 1952 to 31 May 1953 in the tabulated figures elsewhere. The fiscal year then ran from 1 June to 31 May.

The accountants also recommended the purchase of a National Cash Register accounting machine, which was done. This was the beginning of increasing mechanization of the accounting, which has progressed to a rather complete package on the mainframe computers in Providence.

The fiscal year changed again, becoming the calendar year for the year 1967. This corresponds again to a study of the system by a new Treasurer, W. T. Martin, whose term began in 1965. To accomplish the change there was a short fiscal year from 1 June 1966 to 31 December 1966.

INCOME, EXPENSE, AND BALANCE

The increasing bulk of the accounts of the Society is noted in the chapter on Planning and Organization. The handful of categories of income and expense tabulated year by year in [A] cannot realistically be continued here for the second fifty years because of the bulk that would materialize. Instead, members of the Fiscal Department in Providence have tabulated year by year the total receipts and the receipts in a few categories of interest and the total disbursements and the disbursements in principal categories. Further, they have provided summary balance sheets at five-year intervals with an analysis of the composition of the endowment and quasi-endowment funds.

Summary Balance Sheets
As of the End of the Fiscal Year
1937 to 1987 at Five Year Intervals

	<u>1937</u>	<u>1942</u>	<u>1947</u>	<u>1952</u>
ASSETS				
Cash and temporary investments	\$12,176	\$52,648	\$86,875	\$86,760
Publication inventories and work in process				
Property and equipment				
Other operating assets				4,667
Long-term investments	<u>118,582</u>	<u>164,605</u>	<u>196,275</u>	<u>289,199</u>
Total assets	<u>\$130,758</u>	<u>\$217,253</u>	<u>\$283,150</u>	<u>\$380,626</u>
LIABILITIES				
Deferred dues, subscriptions, and other revenues				
Other liabilities				
Total liabilities				
FUND BALANCES				
Operating funds	\$38,216	\$53,680	\$91,875	\$91,427
Quasi-endowment funds	12,595	95,333	107,094	179,793
Endowment funds	<u>79,947</u>	<u>68,240</u>	<u>84,181</u>	<u>109,406</u>
Total fund balances	<u>130,758</u>	<u>217,253</u>	<u>283,150</u>	<u>380,626</u>
Total liabilities and fund balances	<u>\$130,758</u>	<u>\$217,253</u>	<u>\$283,150</u>	<u>\$380,626</u>
ENDOWMENT FUND COMPOSITION				
General purpose funds	\$74,629	\$63,212	\$74,101	\$97,575
Prize funds	5,318	3,281	3,281	4,000
Pooled income fund				
Undistributed gains on investment transactions		<u>1,747</u>	<u>6,799</u>	<u>7,831</u>
Total	<u>\$79,947</u>	<u>\$68,240</u>	<u>\$84,181</u>	<u>\$109,406</u>
QUASI-ENDOWMENT FUND COMPOSITION				
Future operations				
Russian royalties				
Friends of Mathematics	\$6,730	\$24,521	\$25,651	\$27,552
Dues and publications	5,865	4,835	3,408	3,822
Library proceeds				50,000
Mathematical Reviews		60,000	65,000	80,000
Investment losses		3,537	4,386	5,550
Undistributed gains on investment transactions		<u>2,440</u>	<u>8,649</u>	<u>12,869</u>
Total	<u>\$12,595</u>	<u>\$95,333</u>	<u>\$107,094</u>	<u>\$179,793</u>

1957	1962	1967	1972	1977	1982	1987
\$172,618	\$510,922	\$553,182	\$722,674	\$3,732,872	\$1,559,073	\$4,801,639
					580,463	1,560,959
	153,344	240,141	502,943	1,024,845	3,378,900	5,262,179
46,058	219,796	526,392	1,144,452	279,051	569,788	1,148,613
<u>349,283</u>	<u>944,907</u>	<u>1,197,866</u>	<u>1,478,292</u>	<u>1,557,011</u>	<u>2,209,105</u>	<u>5,989,641</u>
<u>\$567,959</u>	<u>\$1,828,969</u>	<u>\$2,517,581</u>	<u>\$3,848,361</u>	<u>\$6,593,779</u>	<u>\$8,297,329</u>	<u>\$18,763,031</u>
\$53,900	\$180,472	\$825,775	\$1,593,440	\$2,693,164	\$4,003,349	\$8,030,402
<u>7,766</u>	<u>64,598</u>	<u>198,196</u>	<u>339,494</u>	<u>734,269</u>	<u>1,118,769</u>	<u>1,627,023</u>
<u>61,666</u>	<u>245,070</u>	<u>1,023,974</u>	<u>1,932,934</u>	<u>3,427,433</u>	<u>5,122,118</u>	<u>9,657,425</u>
159,036	638,992	295,744	437,135	1,609,335	966,106	3,115,965
222,707	206,938	308,440	420,742	455,842	897,601	3,971,441
<u>124,550</u>	<u>737,969</u>	<u>889,426</u>	<u>1,057,550</u>	<u>1,101,169</u>	<u>1,311,504</u>	<u>2,018,200</u>
<u>506,293</u>	<u>1,583,899</u>	<u>1,493,610</u>	<u>1,915,427</u>	<u>3,166,346</u>	<u>3,175,211</u>	<u>9,105,606</u>
<u>\$567,959</u>	<u>\$1,828,969</u>	<u>\$2,517,581</u>	<u>\$3,848,361</u>	<u>\$6,593,779</u>	<u>\$8,297,329</u>	<u>\$18,763,031</u>
\$97,575	\$650,798	\$672,800	\$673,319	\$673,319	\$673,319	\$673,319
<u>4,000</u>	<u>4,000</u>	<u>10,067</u>	<u>151,414</u>	<u>164,981</u>	<u>167,430</u>	<u>169,081</u>
<u>22,975</u>	<u>83,171</u>	<u>206,559</u>	<u>232,817</u>	<u>262,869</u>	<u>470,755</u>	<u>1,170,800</u>
<u>\$124,550</u>	<u>\$737,969</u>	<u>\$889,426</u>	<u>\$1,057,550</u>	<u>\$1,101,169</u>	<u>\$1,311,504</u>	<u>\$2,018,200</u>
					\$285,667	\$3,747,911
			\$81,717	\$85,462	69,452	99,958
\$27,551	\$30,551	\$30,551	39,552	39,874	60,135	123,572
2,524	1,514	54,707	68,400	87,777	126,641	
66,000	66,000	66,000	66,000	66,000	66,000	
80,000	80,000	80,000	80,000	80,000	80,000	
5,550	5,550	5,550				
<u>41,082</u>	<u>23,323</u>	<u>71,632</u>	<u>85,073</u>	<u>96,729</u>	<u>209,706</u>	
<u>\$222,707</u>	<u>\$206,938</u>	<u>\$308,440</u>	<u>\$420,742</u>	<u>\$455,842</u>	<u>\$897,601</u>	<u>\$3,971,441</u>

RECEIPTS 1938-1987

YEAR	TOTAL RECEIPTS	DUES	JOURNALS	BOOKS
1938	35,542	20,986	7,493	2,109
1939	102,730	21,235	8,367	2,510
1940	57,225	22,201	15,043	3,121
1941	57,958	22,478	21,401	3,437
1942	49,746	24,082	14,225	2,872
1943	55,278	23,991	14,049	4,051
1944	65,110	26,519	21,810	3,924
1945	64,189	26,338	21,010	3,486
1946	75,609	30,076	24,592	6,451
1947	86,440	30,572	27,723	8,624
1948	128,222	39,413	36,100	12,734
1949	145,918	40,169	54,056	17,646
1950	262,518	47,846	64,527	32,045
1951	197,716	60,778	71,051	25,392
1952	216,545	73,218	92,750	17,049
1953	159,906	50,754	51,916	7,233
1954	293,844	76,620	92,357	15,681
1955	273,025	78,704	70,319	13,627
1956	290,072	85,175	70,238	15,666
1957	376,914	95,179	104,724	20,008
1958	520,699	106,317	119,635	31,975
1959	493,011	119,538	152,062	31,175
1960	707,652	136,323	188,071	40,389
1961	1,013,494	145,826	217,093	64,865
1962	1,293,955	158,947	316,728	143,378
1963	1,357,591	173,549	394,464	168,222
1964	1,660,299	177,816	333,258	289,628
1965	1,440,037	191,697	493,222	214,329
1966	1,780,920	270,497	746,802	342,851
1966	1,037,148	(9,644)	128,137	218,605
1967	2,385,783	281,835	808,877	382,611
1968	2,614,616	288,277	1,038,565	479,225
1969	2,739,575	317,716	1,366,177	440,725
1970	2,879,569	327,893	1,242,873	453,320
1971	2,900,743	347,509	1,454,123	405,037
1972	3,000,542	348,550	1,669,915	419,239
1973	3,388,927	420,984	1,883,213	544,896
1974	3,691,839	441,808	2,059,752	592,518
1975	4,253,208	445,576	2,433,747	722,701
1976	4,534,935	456,335	2,785,595	665,346
1977	4,992,731	477,229	2,964,763	785,499
1978	5,368,511	511,716	3,204,527	770,380
1979	6,006,018	675,048	3,372,638	856,101
1980	5,935,502	694,210	3,516,037	559,952
1981	6,878,740	725,388	3,786,059	1,169,600
1982	7,627,085	749,925	4,558,682	958,104
1983	8,186,589	804,816	5,273,876	654,574
1984	9,131,910	891,567	5,993,530	759,517
1985	11,247,480	1,045,001	7,285,305	1,003,080
1986	13,006,984	1,183,552	7,958,448	1,390,366
1987	13,429,825	1,284,576	8,456,399	1,235,534

INVESTMENTS	MEETINGS	CONTRIBUTIONS	GRANTS	OTHER
3,762		26		1,166
4,861		65,019		738
5,553	184	10,036		1,087
7,284	238	2,502		618
7,362		510		695
11,019		500	1,250	418
11,188		521		1,148
12,177		471		707
12,589		471		1,430
13,662		3,489		2,370
14,753		591	22,560	2,071
15,508	14,770			3,769
16,816	95,155			6,129
17,241	937	358		21,959
21,880	4,533	35		7,080
11,080		35	26,617	12,271*
22,404	611		60,414	25,757
25,219	355	3,957	76,335	4,509
26,486	903	5,438	78,555	7,611
27,409	556	1,893	115,654	11,491
28,007	725	6,392	217,934	9,714
29,455	1,941	3,725	141,822	13,293
32,730	3,050	12,548	279,960	14,581
28,326	5,173	20,462	465,835	65,914
39,043		4,698	526,214	104,947
46,769		1,748	460,417	112,422
43,022		2,099	665,606	148,870
39,155	15,520		346,212	139,902
43,807	32,335		188,497	156,131
28,476	22,900		508,309	140,365*
46,398	58,240		572,223	235,599
46,146	56,516	2,717	486,076	217,094
67,199	42,603	4,042	154,041	347,072
123,472	54,458	3,855	260,453	413,245
93,509	48,298	3,868	197,978	350,421
69,740	53,920	3,536	109,143	326,499
80,695	52,739	5,864	103,303	297,233
101,951	40,697	3,918	139,575	311,620
151,176	61,602	5,961	131,594	300,851
174,641	63,953	5,480	57,284	326,301
204,455	75,000	5,367	146,257	334,161
328,073	68,104	5,772	121,635	358,304
466,197	96,405	7,011	158,588	374,030
518,234	137,964	6,412	154,228	348,465
490,800	148,689	7,185	132,047	418,972
260,344	151,513	7,058	328,852	612,607
185,156	190,573	22,848	371,328	683,418
220,614	132,674	15,276	424,811	693,921
343,464	242,446	11,138	496,174	820,872
566,114	241,490	11,137	430,553	1,225,324
556,780	308,170	32,961	441,136	1,114,269

* short year

DISBURSEMENTS 1938-1987

YEAR	TOTAL DISBURSEMENTS	JOURNALS	BOOKS	MEETINGS
1938	31,506	19,399	2,352	
1939	43,186	25,149	5,998	
1940	49,006	35,400	2,727	
1941	47,429	32,974	2,970	
1942	48,996	32,980	6,254	
1943	48,017	32,014	3,756	
1944	45,482	32,604	1,922	
1945	45,477	35,097	1,530	
1946	67,414	50,254	5,720	
1947	82,803	60,154	6,474	
1948	123,536	73,686	28,577	
1949	144,918	86,836	28,998	2,166
1950	243,492	97,614	34,373	67,713
1951	189,242	106,362	24,490	3,960
1952	246,408	127,220	12,064	45,856
1953	111,757	68,022	2,130	4,135
1954	245,284	128,296	10,163	25,738
1955	272,420	140,343	10,110	27,752
1956	315,673	172,972	20,159	33,321
1957	391,113	197,235	22,795	38,678
1958	463,465	211,442	32,822	82,265
1959	486,707	253,969	29,841	48,685
1960	750,184	353,327	59,702	85,043
1961	947,200	439,311	88,428	118,376
1962	1,286,614	572,371	112,648	123,837
1963	1,343,602	595,975	269,173	129,438
1964	1,517,370	671,923	335,730	215,576
1965	1,396,734	782,908	256,445	106,275
1966	1,725,690	890,591	342,638	192,524
1966	1,206,790	632,276	223,335	89,129
1967	2,185,518	1,078,405	357,632	225,932
1968	2,659,247	1,208,970	404,570	183,407
1969	2,845,292	1,586,780	398,499	127,564
1970	3,058,813	1,588,330	441,906	186,763
1971	3,048,121	1,871,457	485,187	126,028
1972	3,445,881	1,930,960	435,345	161,421
1973	4,098,381	2,214,534	534,712	182,022
1974	4,252,190	2,539,888	520,710	216,837
1975	3,955,565	2,685,792	360,998	236,373
1976	4,095,207	2,834,821	424,130	243,955
1977	4,392,286	2,919,004	496,953	239,455
1978	5,571,795	3,524,995	409,223	284,452
1979	5,948,318	3,962,479	638,637	344,430
1980	6,932,806	4,624,416	412,551	393,695
1981	9,280,566	4,814,906	1,429,964	375,490
1982	8,909,104	5,057,299	811,696	606,214
1983	9,909,278	6,042,632	972,026	770,524
1984	10,302,047	6,359,499	784,712	694,098
1985	10,988,233	6,035,128	1,229,444	827,609
1986	11,411,395	6,807,766	1,048,086	624,619
1987	12,995,497	7,907,351	877,737	898,972

MEMBERSHIP ACTIVITIES	PROPERTY PLANT EQUIPMENT	OTHER
	630	9,125
	824	11,215
	31	10,848
	52	11,433
	44	9,718
		12,247
		10,956
		8,850
		11,440
	769	15,406
	1,050	20,223
	590	26,328
	501	43,291
	2,199	52,231
	759	60,509
	311	37,159 *
	4,389	76,698
		94,215
	5,540	83,681
	8,615	123,790
	11,510	125,426
	10,122	144,090
	89,295	162,817
	41,339	259,746
	114,253	363,505
	35,223	313,793
	19,193	274,948
	16,033	235,073
	19,964	279,973
	14,481	247,569 *
	151,415	372,134
	108,917	753,383
	46,816	685,633
29,971	32,185	779,658
37,516	26,075	501,858
44,583	314,083	559,489
29,735	470,237	667,141
47,785	488,326	438,644
45,553	72,055	554,794
59,299	32,373	500,629
61,100	88,069	587,705
51,151	675,127	626,847
54,036	412,434	536,302
66,154	941,145	494,845
70,889	1,564,019	1,025,298
108,359	531,212	1,794,324
63,000	666,163	1,394,933
314,153	1,276,541	873,044
454,773	1,440,929	1,000,350
508,899	448,297	1,973,728
510,107	1,237,307	1,564,023

* short year