

CAMBRIDGE PHILOSOPHICAL SOCIETY

STATEMENT OF ACCOUNTS FOR THE YEAR ENDED 31 DECEMBER 1980

ACCUMULATED FUND INCORPORATING GENERAL INCOME AND EXPENDITURE ACCOUNT

Year ended
31. 12. 79

£	£	<i>Income</i>	£	£
25,861		Dividends and interest (gross)		31,046
2,031		Members' subscriptions and donations		2,041
61		Transfer from Compounders' Fund for life members		86
296		Sales of <i>Arcturus Atlas</i> , etc.		287
	19,877	Xerox copier: Income	19,576	
		<i>Less: Expenses:</i>		
		5,457 Wages	5,764	
		9,487 Meter rent & copy charges	9,067	
		2,675 Materials	2,400	
		990 Maintenance	1,381	
1,268	18,609		18,612	964
<u>29,517</u>				<u>34,424</u>
		<i>Expenditure</i>		
	5,025	Salaries	6,203	
	1,385	Printing and stationery	1,872	
	466	Postages	696	
	920	Audit fee and accountancy charges	800	
	166	Sundry expenses	448	
	47	Insurances	27	
	683	Expenses of meetings including honoraria	902	
		Cost of copies for Scientific Periodicals Library:		
	1,667	<i>Mathematical Proceedings</i>	2,008	
	656	<i>Biological Reviews</i>	1,055	
	263	Grants to translation service	274	
	262	Miscellaneous grants and donations	50	
		Interest credited to:		
	670	Compounders' Fund	804	
	38	Sir Joseph Larmor's Fund	43	
	262	G. I. Taylor Trust Fund	165	
		Transfers to:		
	4,000	Research Studentships Fund	4,900	
	750	Working Parties Fund	600	
	1,800	Travel Grants Fund	2,160	
	67	William Bate Hardy Prize Fund	66	
	88	Sir Joseph Larmor's Fund	54	
	37	Depreciation of office equipment	43	
19,252			23,170	
<u>10,265</u>		Surplus for year	11,254	
4,125		Net profit on sale of investments	3,409	
193,702		Fund balance 1 January 1980	208,092	
<u>£208,092</u>		Fund balance 31 December 1980	<u>£227,755</u>	

PUBLICATION FUND (CURRENT VOLUMES)

Year ended
31. 12. 79

		<i>Mathematical Proceedings (Volumes 87 and 88)</i>							
£	£	<i>Income</i>						£	£
46,071		Sales						49,271	
166		Sales of separates						105	
1,179		Members' subscriptions						1,135	
250		Grant from Cambridge University						500	
185		Transfer from Compounders' Fund for life members						625	
<u>47,851</u>								<u>51,636</u>	
		<i>Expenditure</i>							
	32,986	Printing						41,001	
	2,065	Printing of separates						2,223	
	7,818	Commission on sales						8,397	
	1,278	Editorial expenses						1,210	
	2,523	Carriage						3,454	
	<u>46,670</u>							<u>56,285</u>	
		<i>Less:</i>							
	(924)	Cost of unsold copies transferred to Publication Fund (Back numbers)						(1,281)	
	(1,667)	Cost of copies for the Scientific Periodicals Library transferred to General Income and Expenditure Account						(2,008)	
<u>44,079</u>								<u>52,996</u>	
3,772		Surplus/(deficit) for the year						(1,360)	
329		Fund balance 1 January 1980						4,601	
<u>£4,601</u>		Fund balance 31 December 1980						<u>£3,241</u>	

Biological Reviews (Volume 55)

		<i>Income</i>							
23,700		Sales						22,274	
399		Sales of separates						232	
907		Members' subscriptions						1,016	
250		Grant from Cambridge University						500	
50		Transfer from Compounders' Fund for life members						90	
<u>25,306</u>								<u>24,112</u>	
		<i>Expenditure</i>							
	14,212	Printing						17,910	
	1,152	Printing of separates						1,596	
	6,241	Commission on sales						6,268	
	895	Editorial expenses						895	
	1,794	Carriage						2,389	
	<u>24,294</u>							<u>29,058</u>	
		<i>Less:</i>							
	(299)	Cost of unsold copies transferred to Publication Fund (Back numbers)						(553)	
	(656)	Cost of copies for the Scientific Periodicals Library transferred to General Income and Expenditure Account						(1,055)	
<u>23,339</u>								<u>27,450</u>	
1,967		Surplus/(deficit) for year						(3,338)	
24,950		Fund balance 1 January 1980						26,917	
<u>26,917</u>		Fund balance 31 December 1980						<u>£23,579</u>	

PUBLICATION FUND (BACK NUMBERS)

Year ended
31. 12. 79

£	£	<i>Mathematical Proceedings</i>						£	£
6,028		Sales							2,018
		<i>Less:</i>							
		Cost of unsold copies transferred from Publication							
	924	Fund (Current Volumes)						1,280	
	66	Carriage						146	
	710	Commission on sales						121	
1,700									1,547
4,328		Surplus for year							471
17,832		Fund balance 1 January 1980							22,160
<u>£22,160</u>		Fund balance 31 December 1980							<u>£22,631</u>

<i>Biological Reviews</i>										
781		Sales								711
		<i>Less:</i>								
		Cost of unsold copies transferred from Publication								
	299	Fund (Current volumes)							553	
	192	Carriage							66	
	—	Commission on sales							37	
491										656
290		Surplus for year								55
17,462		Fund balance 1 January 1980								17,752
<u>£17,752</u>		Fund balance 31 December 1980								<u>£17,807</u>

COMPOUNDERS' FUND

6,765		Balance 1 January 1980								7,254
670		Transfer from General Income and Expenditure Account								804
115		Life subscriptions received								305
7,550										8,363
		<i>Less:</i>								
		Transfer to Publication Fund (Current Volumes) ...								
	185	<i>Mathematical Proceedings</i>							625	
	50	<i>Biological Reviews</i>							90	
	61	Transfer to General Income and Expenditure Account							86	
296										801
<u>£7,254</u>		Balance 31 December 1980								<u>£7,562</u>

RESEARCH STUDENTSHIPS FUND

4		Balance 1 January 1980								59
7		Donation received								—
4,000		Transfer from General Income and Expenditure Account								4,900
4,011										4,959
		<i>Less:</i>								
		Research studentships awarded								5,220
3,952										
<u>£59</u>		Balance 31 December 1980								<u>(£261)</u>

Year ended
31. 12. 79

WORKING PARTIES FUND

£		£
543	Balance 1 January 1980	791
750	Transfer from General Income and Expenditure Account	600
<hr/>		
1,293		1,391
	<i>Less:</i>	
502	Grants for Working Parties	1,390
<hr/>		
<u>£791</u>	Balance 31 December 1980	<u>£1</u>

TRAVEL GRANTS FUND

141	Balance 1 January 1980	101
1,800	Transfer from General Income and Expenditure Account	2,160
<hr/>		
1,941		2,261
	<i>Less:</i>	
1,840	Travel Grants awarded... ..	2,200
<hr/>		
<u>£101</u>	Balance 31 December 1980	<u>£61</u>

WILLIAM HOPKINS PRIZE FUND

133	Balance 1 January 1980	26
20	Interest on £663 Surrey County 6% Redeemable Stock 1978/80	—
73	Interest on £603 Exchequer 12½% Stock 1985	74
<hr/>		
226		100
	<i>Less:</i>	
200	Prize awarded during year	—
<hr/>		
<u>£26</u>	Balance 31 December 1980	<u>£100</u>

Note: The Society is Trustee only of the investment held for this fund.

WILLIAM BATE HARDY PRIZE FUND

—	Balance 1 January 1980	67
67	Transfer from General Income and Expenditure Account	66
<hr/>		
67		133
	<i>Less:</i>	
—	Prize awarded during year	—
<hr/>		
<u>£67</u>	Balance 31 December 1980	<u>£133</u>

SIR JOSEPH LARMOR'S FUND

388	Balance 1 January 1980	388
126	Interest and Transfer from General Income and Expendi- ture Account	97
<hr/>		
514		485
	<i>Less:</i>	
126	Lecture and expenses	97
<hr/>		
<u>£388</u>	Balance 31 December 1980	<u>£388</u>

G. I. TAYLOR TRUST FUND

6,433	Balance 1 January 1980	6,619
35	Donations to fund during year	311
530	Interest on 4335 Charifund Units	658
262	Interest from General Income and Expenditure Account	165
7,260		7,753
	<i>Less:</i>	
641	Lecture expenses	162
£6,619		£7,591

Note: The Society is Trustee only of the investment held for this fund.

Year ended
31. 12. 79

BALANCE SHEET 31 DECEMBER 1980

£	£		Note	£	£
209		Fixed Assets	1		247
277,518		Investments	2		308,712
		Current Assets			
	2,695	Stocks	3	2,786	
	10,013	Sundry debtors and income tax recoverable		8,725	
	4,007	Cash at Bank: Current Account		4,709	
	7,337	Deposit Account		3,386	
	215	Cash and postage stamps in hand		490	
	<u>24,267</u>			<u>20,096</u>	
		<i>Less: Current Liabilities:</i>			
	6,264	Sundry creditors		21,655	
	903	Subscriptions received in advance		1,812	
	<u>7,167</u>			<u>23,467</u>	
17,100		Net current assets			(3,371)
<u>£294,827</u>					<u>£305,588</u>
		Financed by:			
208,092		Accumulated Fund			222,755
		Publication Fund (Current Volumes):			
	4,601	<i>Mathematical Proceedings</i>		3,241	
	26,917	<i>Biological Reviews</i>		23,579	
31,518				<u>26,820</u>	
		Publication Fund (Back Numbers):			
	22,160	<i>Mathematical Proceedings</i>		22,631	
	17,752	<i>Biological Reviews</i>		17,807	
39,912				<u>40,438</u>	
7,254		Compounders' Fund			7,562
59		Research Studentships Fund			(261)
791		Working Parties Fund			1
101		Travel Grants Fund			61
26		William Hopkins Prize Fund			100
67		William Bate Hardy Prize Fund			133
388		Sir Joseph Larmor's Fund			388
6,619		G. I. Taylor Trust Fund			7,591
<u>£294,827</u>					<u>£305,588</u>

NOTES TO THE ACCOUNTS

(1) *Fixed Assets*

								<i>Equipment</i>
								£
Cost to 1 January 1980	...	...	...	...	...	...	...	1,072
Additions in year	...	...	...	...	...	...	...	81
								<u>1,153</u>
Depreciation to 1 January 1980	...	...	...	...	...	...	...	863
Provided in year	...	...	...	...	...	...	...	43
								<u>906</u>
Net book value 31 December 1980	...	...	...	...	...	...	...	247
Net book value 31 December 1979	...	...	...	...	...	...	...	<u>209</u>

The provision for depreciation has been calculated so as to write off the Fixed Assets to their residual value over their useful working life using the rate of 15% per annum under the reducing balance method.

(2) *Investments*

Investments are valued at cost. The market value at 31 December 1980 was £425,107 (31 December 1979 £341,515).

(3) *Stocks*

Stocks of xerox materials have been valued at cost. Unsold copies of Publications have not been valued.

STATEMENT OF SOURCE AND APPLICATION OF FUNDS

Year ended

31. 12. 79

£		£
	Source of Funds	
	Surplus for the year:	
10,265	General Income and Expenditure Account	11,254
	Publications Funds:	
5,739	Current volumes	(4,698)
4,618	Back numbers	526
	Movement on Special Funds:	
489	Compounders' Fund	308
55	Research Studentships Fund	(320)
248	Working Parties Fund	(790)
(41)	Travel Grants Fund	(40)
(107)	William Hopkins Prize Fund	74
67	William Bate Hardy Prize Fund	66
186	G. I. Taylor Trust Fund	972
<hr/>		<hr/>
21,519		7,352
	Adjustment for items not involving the movement of funds:	
37	Depreciation	43
<hr/>		<hr/>
21,556	Total generated from operations	7,395
	Funds from other sources	
58,816	Proceeds of sale of investments	78,731
<hr/>		<hr/>
80,372		86,126
	Application of Funds	
	Purchase of fixed assets	81
72,927	Purchase of investments	106,516
		<hr/>
<hr/>		<hr/>
£7,445		(£20,471)
	Increase (decrease) in working capital made up as follows:	
(327)	Increase (decrease) in stock	91
4,559	Increase (decrease) in debtors	(1,288)
2,068	Decrease (increase) in creditors	(16,300)
1,145	Increase (decrease) in cash and bank balances	(2,974)
<hr/>		<hr/>
£7,445		(£20,471)

AUDITORS' REPORT

We have audited the Accounts on the foregoing pages.

In our opinion, the Accounts, which have been prepared under the historical cost convention, give a true and fair view of the state of the Society's affairs at 31 December 1980 and of its income and expenditure and source and application of funds for the year then ended.

Cambridge
19 June 1981

PETERS, ELWORTHY AND MOORE
Chartered Accountants

MATHEMATICAL PROCEEDINGS

(formerly Proceedings)

*of the
Cambridge Philosophical Society*

VOLUME 90



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THE PREPARATION OF MANUSCRIPTS

The attention of authors is particularly directed to the following requests.

1. Papers should be typed, double-spaced, on one side of white paper (of which A4, 210 by 297 mm, is a suitable size). The pages must be numbered. Margins of 30 mm should be left at the side, top and bottom of each page. The copy sent must be clear.

A cover page should give the title, the author's name and institution, with the address at which mail is to be sent.

The title, while brief, must be informative (e.g. *A new proof of the prime-number theorem*, whereas *Some applications of a theorem of G. H. Hardy* would be useless).

The first paragraph or two should form a summary of the main theme of the paper, providing an abstract intelligible to mathematicians.

For a typescript to be accepted for publication, it must accord with the standard requirements of publishers, and be presented in a form in which the author's intentions regarding symbols etc. are clear to a printer (who is not a mathematician).

The following notes are intended to help the author in preparing the typescript. New authors may well enlist the help of senior colleagues, both as to the substance of their work and the details of setting it out correctly and attractively.

2. Notation

Notation should be chosen carefully so that mathematical operations are expressed with all possible neatness, to lighten the task of the compositor and reduce the chance of error.

For instance n_k (n sub k) is common usage, but avoid if possible using c sub n sub k . Fractions are generally best expressed by a solidus. Complicated exponentials like

$$\exp \{z^2 \sin \theta / (1 + y^2)\}$$

should be shown in this and no other way.

In the manuscript, italics, small capitals and capitals are specified by single, double and triple underlining. Bold-faced type is shown by wavy underlining; wavy will be printed wavy.

It helps if displayed equations or statements which will be quoted later are numbered in order on the right of their line. They can then be referred to by, for example, 'from (7)'.
The author must enable the printer (if necessary by pencilled notes in the margin) to distinguish between similar symbols such as o , O , o , O , 0 ; x , X , \times ; ϕ , Φ , \varnothing ; l , 1 ; ϵ , ϵ ; κ , k .

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If an author wishes to mark the end of the proof of a theorem, the sign \square may be used.

Footnotes should be avoided.

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It is extremely helpful if diagrams are drawn in Indian ink on white card, faintly blue or green-lined graph paper, or tracing cloth or paper. *Symbols, legends and captions should be given on a transparent overlay*. Each text figure must be numbered as Figure 1, Figure 2, ... and its intended position clearly indicated in the manuscript:

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Tables should be numbered (above the table) and set out on separate sheets. Indicate the position of each in the text as for figures:

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(6) LITTLEWOOD, J. E. The 'pits effect' for functions in the unit circle. *J. Analyse Math.* 23 (1970), 237-268.

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