

THE HUNDRED AND THIRD ANNIVERSARY MEETING.

THE Annual General Meeting was held at Burlington House on Thursday, 20th April, 1944, at 11.30 a.m., the President, Dr. W. H. Mills, F.R.S., occupying the Chair.

The notice convening the meeting was read.

The Report of Council for 1943, copies of which were available at the meeting, was presented, and Dr. C. W. Davies, in introducing the Report, referred to the privileges afforded to Students by the scheme of Joint Junior and Joint Student Membership and appealed to senior Fellows to co-operate by drawing the attention of their students to the scheme. He referred to the steps indicated in the Report to improve the balance of the *Annual Reports*, and to the gradual decline in the proportion of physico-chemical papers in the *Journal*. He stated that it would be a tragedy if the *Journal*, with its long tradition, ceased to be fully representative of British Chemistry, and asked physical Chemists to collaborate by submitting papers for publication in the *Journal*. He also drew attention to the important matters of policy discussed in the Reports of the Bureau and the Joint Library Committee appearing as appendixes.

In conclusion, he said that every year of war added to the complexities and difficulties of the activities of the Society, and paid tribute to the work of the General Secretary and his staff.

The Treasurer referred to the work of the conjoint office, to which members of the Chemical Society's staff were seconded, and to the work of the Library Staff. Without the conjoint office the co-operation scheme would be difficult to work, and Mr. Morris, who is in charge of that office with Miss Knight as his second, had, in spite of difficulties due to inadequate staff, done splendid work. The Annual Meeting was held in April, as with the complexities caused by the co-operation scheme it was not possible to have the accounts ready in time for a March Meeting, and, indeed, he doubted if it would be in peace time. The preparation of the accounts coincided with the time when the subscriptions were coming in, with many changes in the choice of publications, and consequent necessity for assistance to the staff engaged on the distribution of publications.

Cost of Publications to Joint Members, 1942.

Publication.	No. of copies printed.	Total net production cost.	Cost per copy per annum.	No. of copies supplied to Joint Members.	Cost of publications supplied to Joint Members.	
					Chem. Soc.	Bureau.
		£	s. d.		£	£
Journal	4450	4835	21 9	1209	1315	—
A I	2702	1852	13 8	589	403	—
A II	2691	1887	14 0	717	502	—
A III (Total)	2631	3103	23 7	396	—	—
(Bureau)	—	1603	12 2	—	—	240
(C.S.)	—	1500†	11 5	—	225	—
A Index (Total)	3300	1307	7 11	632	—	—
A III (Bureau)	—	730	4 5	—	—	140
A I and A II (C.S.)	—	577	3 6	—	116	—
Lecture Reprints	700	60	1 9	587	51	—
Annual Reports	4000	958	4 9	1444	343	—
				Total net cost	2955	380
§Receipts from Joint Members	£	£		§ Cost of Publications to S.C.I.		£
Less Society of Chemical Industry	196 §	4363		" " " C.S.		3347
Cost of Publications	2955					2955
		3151		Difference		£392
Balance		£1212				

§ As the money received from co-operation members is, after deduction of any subscription to the Royal Institute of Chemistry, divided equally between the Chemical Society and the Society of Chemical Industry, an adjustment is necessary each year so that the two Societies benefit equally after allowing for cost of publications.

† £1500 per annum is the agreed contribution of the Chemical Society to A III.

He stated that the number of Fellows, 5232, and the amount received from subscriptions, £11,068, was a record, and that there seemed no reason to think that further increases would not be shown as the benefits of the co-operation scheme were more and more appreciated.

It had been asked if the Society benefited financially from the Co-operation Scheme. The table on p. 158 shows that in 1942, after defraying costs of publications supplied and making due allowance for overheads, there was a surplus of £1212 towards the general expenses of the Society from this source.

He then directed attention to the Special Reserve Fund, which now stood at £13,938. This would be of substantial assistance after the war, but he doubted if it would prove sufficient to meet the cost of the increased number of original papers and abstracts to be published in the post-war years, as well as that of reprinting many of the war-time issues of the *Journal* and *Abstracts* which would be required for Fellows who had not received them while on duty in the Forces, as well as for supplying foreign countries. The paper ration had been insufficient to make full provision for this.

Finally, he dealt briefly with the salient features of the Accounts.

The adoption of the Report of Council for 1943, including Statement of Accounts and Balance Sheets, was proposed by Mr. R. P. Bell, seconded by Dr. James Bell, and carried unanimously.

The names of Fellows elected to vacancies on the Council for 1944—1945 were declared as follows :

President :

Professor W. N. Haworth.

Vice-President, who has not filled the office of President :

Mr. E. J. Bowen.

The report of the Scrutators on the ballot for Elected Ordinary Members of Council for Constituencies I and IV was read, and it was declared that the following had been elected :

Constituency I (South-East England) :

Dr. M. P. Balfe, Dr. E. R. H. Jones, and Professor W. F. K. Wynne-Jones.

Constituency IV (North-East England) :

Dr. M. P. Applebey and Dr. L. Hunter.

A vote of thanks to the Vice-Presidents, Treasurer, Honorary Secretaries, Council and Committees for their services during the past year, proposed by Dr. J. Kenyon, and seconded by Dr. R. Fraser Thomson, was carried, and acknowledged by Sir John J. Fox.

On the motion of Dr. G. H. Christie, seconded by Dr. Brynmor Jones, Messrs. W. B. Keen & Co. were appointed Auditors to audit the accounts of the Society for 1944.

The meeting was then adjourned.

A luncheon attended by Fellows was held at Stewarts Restaurant (Old Bond Street) at 1 p.m.

The meeting was resumed at 2.30 p.m., and Dr. W. H. Mills delivered his Presidential Address, entitled "Old and New Views on some Chemical Problems." At the conclusion, a vote of thanks to him for his services in the Chair during his term of office and for his Address, with the request that he would allow his Address to be printed in the *Journal*, was proposed by Dr. F. H. Carr, seconded by Dr. J. W. Baker, and carried with acclamation. The President acknowledged the vote of thanks and referred to the loyal support he had received from the Officers and Council.

Professor W. N. Haworth, who was then inducted into the Chair, expressed his appreciation of the high honour conferred on him, and declared the meeting closed.

REPORT OF COUNCIL, 1943.

The year 1943 saw the collaboration between the Chartered chemical bodies taken a stage further in the adoption of the Chemical Council's scheme of Joint Junior and Joint Student Membership. This scheme is proving attractive to young chemists and will have the effect of making known to them the various services rendered by the three chartered bodies to the chemical community. Senior Fellows are asked to co-operate by drawing the attention of students to its provisions.

I. FELLOWSHIP.

(1) *Fellowship Statistics.* The number of Fellows on the 31st December, 1942, was 4826. During 1943, 543 Fellows were elected and 31 reinstated, the corresponding figures in 1942 being 475 and 29, respectively. The Society has lost 2 Fellows killed in action, 58 by death, 42 by resignation and 66 by removal for non-payment of annual subscription—a total loss of 168 compared with 194 in 1942. The number of Fellows on the 31st December, 1943, was 5232; of these, 1885 are joint members of the three

Chartered Bodies, and 565 of the two Publishing Societies. Of the joint members of the three bodies elected in 1943, 192 are new Fellows of the Chemical Society and of the joint two-body members, 75 are new Fellows. The number of joint members of the three Chartered Bodies has increased during the year by 238, of the two Publishing Societies by 107, and of single-body Fellows by 61.

On 15th April, the Council elected Professor Linus Pauling (Pasadena), Professor Nikolai Semenov (U.S.S.R.) and Professor Nikolai Zelinsky (U.S.S.R.) Honorary Fellows of the Society. The number of Honorary Fellows is now 27.

(2) *60 and 50 Years of Fellowship.* During the year the congratulations of the Society have been conveyed to 8 Fellows who had completed 60 years of Fellowship, and to 20 who had completed 50 years of Fellowship. Their names have appeared in the Proceedings.

(3) *Deaths.* The Council mourn the loss of Professor Fred Swarts, who was elected an Honorary Fellow of the Society in May, 1931. Among prominent Fellows of the Society whose deaths the Council have to record are Professor P. P. Bedson, Mr. W. R. Bousfield, Dr. G. T. Moody, Dr. H. Forster Morley and Dr. S. Ruhemann, each of whom had served on the Council. Pilot Officer C. R. Morrison-Jones, R.A.F.V.R. and Pilot Officer E. A. Wagstaff, R.A.F.V.R. lost their lives while on Active Service.

II. PUBLICATIONS.

(1) *Journal.* During the year 208 papers were received by the Society; of these 3 were declined.

The *Journal* for 1943, occupying 662 pages, contains 175 memoirs (37 on General, Physical, and Inorganic Chemistry, and 138 on Organic Chemistry), 14 notes, and 3 lectures (18 pages), in addition to Obituary Notices (25 pages) and the report of the Annual General Meeting (24 pages). The corresponding figures for 1942 are 758 pages, 167 memoirs, 21 notes, and 7 lectures.

The Council has again given anxious consideration to the low proportion of physico-chemical papers in the *Journal*. Physical chemists take a full share in the other activities of the Society, and are well represented on the Publication Committee; yet the *Journal* seems in growing danger of becoming preponderatingly organic in character, at least as regards the original work communicated. It has been suggested that the diversion of much physico-chemical work to other journals has been due partly to an idea that theoretical work is not welcome in the *Journal*, and partly to an unduly restrictive publication policy. Whatever grounds there may have been in the past for these views, the Council are resolved that the *Journal* should be as suitable a medium as any other for the publication of physico-chemical work, and will welcome suggestions having this object in view.

(2) *Abstracts.* The report of the Bureau appears as Appendix A.

(3) *Annual Reports.* Volume XXXIX (1942) of the *Annual Reports on the Progress of Chemistry* contained 255 pages, as against 297 pages in Volume XXXVIII for 1941. It is regretted that owing to war conditions the volume for 1942 did not appear until August; also that it was found necessary to omit Sections on Analytical Chemistry and Radioactivity, and to curtail others, and that sufficient copies were not available to meet the demands even of Fellows. It is intended to reprint this volume when paper is available. The prospects for the Annual Reports for 1943 are better.

Council has adopted recommendations of the Publication Committee (1) to discontinue the separate Report on Crystallography, enlarging the scope and size of the Report on General and Physical Chemistry to include crystallographical work of chemical interest; and (2) to discontinue separate Annual Reports on Radioactivity and Sub-Atomic Phenomena, but to include in other sections matters of chemical interest arising out of the subject and further to publish separate Reports on Radioactivity whenever a general review of that subject seems opportune. Effect will be given to these changes in Volume XLI.

(4) *Volume on "British Chemists."* Council have decided to proceed with the preparation of a volume of articles on representative British Chemists, to supplement the volumes of Memorial Lectures describing the work of foreign chemists, and have been fortunate in securing as Editors Professor Alex. Findlay and Dr. W. H. Mills. It is hoped to publish the volume at the time of the Centenary Celebrations.

III. MEETINGS.

(1) *Scientific Meetings.* During 1943 six meetings were held in London and thirty outside London. A list of these is given in Appendix C.

(2) *Annual General Meeting.* The Hundred and Second Annual General Meeting was held in London on the 25th March, and a full report was published in the *Journal* for April.

Owing to the difficulties in presenting the accounts of the Society in time for an Annual General Meeting in March, power has been obtained from the Privy Council to vary Bye-Law 69 as a war time measure, so as to permit the Annual General Meeting to be held in April.

IV. LIBRARY.

The Annual Report of the Joint Library Committee for 1943 appears as Appendix B.

V. ADMINISTRATION.

Local Representatives and Representatives Overseas. The resignations of Dr. T. S. Stevens and Dr. A. W. Chapman from the offices of Local Representative for Glasgow and Sheffield, respectively, were received with regret; Dr. James Bell and Dr. Brynmor Jones were appointed to fill the two vacancies.

The Council have had under consideration the question of appointing further Representatives to look after the interests of the Society overseas, and are happy to record that the following Fellows have agreed to act in this capacity:—

Canada : Professor W. D. McFarlane (St. Anne de Bellevue).

India : Sir Shanti S. Bhatnagar (Lahore).

New Zealand : Professor F. G. Soper (Dunedin).

South Africa : Professor William Pugh (Rondebosch).

Accommodation. The urgent need of adequate accommodation for administrative work, library purposes, and scientific meetings has again engaged the earnest attention of the Council. Following Sir Henry Dale's Presidential Address to Fellows of the Royal Society on 30th November, when he dealt with the necessity for further accommodation for the Learned Societies resident in Burlington House, the President supported this claim for recognition by His Majesty's Government of the needs of science by writing to *The Times* pointing out the desperate position of the Chemical Society as regards accommodation. This matter is being actively pursued.

Joint Junior and Joint Student Membership. Proposals for Joint Junior and Joint Student Membership received from the Chemical Council were unanimously adopted; full details of the scheme were circulated to Fellows in the autumn, and were also embodied in a brochure dealing with the activities of the three Chartered Chemical Bodies drawn up by the Chemical Council and widely circulated. The Privy Council has granted permission to vary temporarily Bye-Law 8 (c), thus permitting the Society to accept from Student Members subscriptions of less than one-half the full Annual Subscription.

VI. FINANCE.

Collection of Annual Subscriptions from Fellows in Australia and New Zealand. To meet the convenience of Fellows residing in Australia and New Zealand, the Society has opened an account with the Commercial Bank of Australia, Ltd., so that all payments to and from the Society may be made through that account as from the beginning of 1944.

Advertisements. From the beginning of 1944, all arrangements in connection with advertisements in the *Journal* and *Annual Reports* will be undertaken by the Advertisement Department of the Society of Chemical Industry, which is already responsible for advertisements in the Abstracts. This renders it necessary to terminate the contract with Messrs. Walter Judd Ltd., who have for many years acted as the Society's Advertisement Agents to the complete satisfaction of the Council.

Insurances. Fire and war damage insurances on the Library and on Publications have been increased by £250 and £750, respectively.

Investments. The following investments have been made during the year:—

£1650 Special Reserve Fund for publications in National War Bonds, 2½ per cent., 1945—1947.

£150 Staff Pensions Fund in National War Bonds 2½ per cent., 1951—1953.

£100 Life Composition Fees in 3 per cent. Savings Bonds, 1960—1970.

£1100, the proceeds of the surrender of £1096 6s. 2d. Union of South Africa 3 per cent. stock in 3 per cent. Savings Bonds, 1960—1970.

£807 P. & O. Steam Navigation Co. Deferred Stock was sold and the proceeds were invested in 3 per cent. Savings Bonds, 1960—1970.

Printing Charges. The charges for printing have been increased by a further 7½ per cent. as from the 1st December, 1943.

Contributions. The Council have received £1050 from the Chemical Council; also contributions of £500 from the Rockefeller Foundation, and £200 from the Government Grant, have been made by the Royal Society. The Council again record their thanks for this valuable financial aid towards the cost of the Society's publications for 1943 and to those Fellows who continue to contribute to the Publications Fund. They desire in particular to acknowledge the generous gift of £60 from Mr. T. R. Cowie to mark the completion of his 60 years of Fellowship.

VII. ACKNOWLEDGMENTS.

The Council have recorded their gratitude to the many Fellows who have continued to give their services freely to the Society during the year, and to the Royal Academy for housing publications of the Society previously stored with the printers.

INCOME AND EXPENDITURE ACCOUNTS OF OTHER FUNDS FOR THE YEAR ENDED 31ST DECEMBER, 1943.

LIBRARY.

1942		1943		1944		1945	
£	s. d.	£	s. d.	£	s. d.	£	s. d.
<i>Income.</i>							
To Contribution for Fittings, Furniture, Books, Periodicals and Binding:							
536	10 6	850	9 4	290	6 0	308	6 1
Transfer from General Purposes Account ...							
48	14 11	39	0 6	7	4 6	42	3 3
" Air Raid Precautions:							
275	2 6	197	15 4	300	0 0	500	0 0
" War Damage Insurance:							
860	7 11	197	15 4	48	14 11	39	0 6
" Transfer from General Purposes Account ...							
" Contributions towards maintenance:							
Through the Chemical Council:							
344	18 5	346	8 4	1484	14 5	1334	0 0
718	11 8	721	13 10	187	6 6	95	15 5
373	13 3	375	5 7	27	19 8	33	0 0
250	0 0	250	0 0	16	2 11	14	6 7
From the Chemical Council ...							
1687	3 4	1693	7 9	219	8 7	238	2 3
Contributions, etc., received from other sources towards maintenance):							
Association of British Chemical Manufacturers ...							
100	0 0	100	0 0	—	—	—	—
21	0 0	21	0 0	—	—	—	—
26	6 0	26	5 0	—	—	—	—
50	0 0	50	0 0	—	—	—	—
10	10 0	10	10 0	—	—	—	—
21	0 0	21	0 0	—	—	—	—
4	1 0	3	0 0	—	—	—	—
9	8 4	20	7 6	—	—	—	—
242	4 4	252	2 6	—	—	—	—
" Balance, amount transferred from General Purposes Account ...							
6	4 5	—	—	—	—	—	—
£2796	0 0	£3032	15 5	£2796	0 0	£3032	15 5
<i>Expenditure.</i>							
By Capital and Extraordinary Expenditure:							
Books and Periodicals ...							
Binding ...							
Transfer to Special Reserve Fund ...							
Air Raid Precautions ...							
War Damage Insurance ...							
Maintenance:							
Salaries ...							
Superannuation of Library Staff ...							
Postages ...							
Miscellaneous Expenses ...							
Overhead Expenses (proportion) ...							
" Balance, amount transferred to General Purposes Account ...							
£1087							
£1087							

* Other than those received in exchange.

INCOME AND EXPENDITURE ACCOUNTS OF OTHER FUNDS FOR THE YEAR ENDED 31ST DECEMBER, 1943.

SPECIAL RESERVE FUND.

1942		1943		1944	
£	s.	£	s.	£	s.
54	8	120	3	70	16
11	14	13	0	13	0
4	14	59	9	5	5
<u>£70 16 11</u>		<u>£192 13 6</u>		<u>£70 16 11</u>	
Income.					
To Dividends on Investments					
" Interest on Deposit at Bankers and in Post Office Savings Bank					
" Income Tax recovered					
<u>£70 16 11</u>					

RESEARCH FUND

1942		1943		1944	
£	s.	£	s.	£	s.
398	18	365	4	20	0
2	16	10	10	37	0
2	10	1	13	1	13
2	10	1	14	738	16
20	0	1	2	7	6
<u>£799 19 11</u>		<u>£834 7 8</u>		<u>£799 19 11</u>	
To Dividends on Investments					
" Income Tax recovered					
" Repayment of Grants					
" Grants not claimed					
" Interest on Deposit					
" Donation					
" Sale of Chemicals					
<u>£799 19 11</u>					

SPECIAL PUBLICATIONS FUND.

1942		1943		1944	
£	s.	£	s.	£	s.
14	4	8	16	11	3
9	8	9	6	5	5
6	3	5	5	5	5
3	19	2	15	8	8
8	6	2	15	11	11
1	13	0	0	0	0
35	16	98	19	3	3
74	0	74	0	8	8
3	6	4	5	2	2
<u>£113 4 3</u>		<u>£107 5 1</u>		<u>£113 4 3</u>	
To Sales of Publications:					
Memorial Lecture, Vol. I					
" " Vol. II					
" " Vol. III					
Paraday Lectures					
Fortrats					
Other publications					
Dividend on Investments					
Interest on Deposit					
<u>£113 4 3</u>					

QUINQUENNIAL INDEX FUND.

1942		1943		1944	
£	s.	£	s.	£	s.
325	0	300	0	200	0
75	0	85	0	200	0
7	0	0	0	0	0
<u>£400 0 7</u>		<u>£385 0 0</u>		<u>£400 0 7</u>	
To Transfer from General Purposes Account					
" Cash received from Bureau of Chemical and Physiological Abstracts					
" Interest on Deposit					
<u>£400 0 7</u>					

Expenditure.

By Balance, being Excess of Income over Expenditure, carried to Balance Sheet	192	13	6
<u>£192 13 6</u>			

By Honorarium, Longstaff Medallist	20	0	0
" Longstaff Medal	2	10	0
" Grants	37	0	0
" Miscellaneous Expenses	1	13	5
Balance, being Excess of Income over Expenditure, carried to Balance Sheet	738	16	6
<u>£834 7 8</u>			

By Balance, being Excess of Income over Expenditure, carried to Balance Sheet	113	4	3
<u>£107 5 1</u>			

By Bureau of Chemical and Physiological Abstracts	200	0	0
" Balance, being Excess of Income over Expenditure, carried to Balance Sheet	200	0	7
<u>£385 0 0</u>			

INCOME AND EXPENDITURE ACCOUNTS OF OTHER FUNDS FOR THE YEAR ENDED 31ST DECEMBER, 1943.

CENTENARY FUND.

		<i>Income</i>		<i>Expenditure.</i>		
		1943	1942			1943
		£ s. d.	£ s. d.			£ s. d.
	To Interest on Deposit in Post Office Savings Bank and London Savings Bank	26 0 0	25 7 11		By Balance, being Excess of Income over Expenditure, carried to Balance Sheet	26 0 0
		<u>£26 0 0</u>	<u>£25 7 11</u>			<u>£26 0 0</u>

STAFF PENSIONS FUND.

		1943	1942			
		£ s. d.	£ s. d.			£ s. d.
	To Transfer from General Purposes Account	900 0 0	92 10 0		By Pensions paid during 1943	130 0 0
	" Dividends on Investments	66 6 7			" Balance, being Excess of Income over Expenditure, carried to Balance Sheet	271 17 5
	" Income Tax recovered	55 10 10	194 0 11			<u>£401 17 5</u>
		<u>£401 17 5</u>	<u>£286 10 11</u>			

THE EDWARD FRANK HARRISON MEMORIAL TRUST FUND.

		1943	1942			
		£ s. d.	£ s. d.			£ s. d.
	To Dividends on Investments	27 5 2	160 0 0		By Harrison Prize	—
	" Income Tax recovered	25 2 0	8 8 0		" Harrison Plaque	—
	" Interest on Deposit	2 4			" Balance, being Excess of Income over Expenditure, carried to Balance Sheet	52 9 6
	" Balance, being Excess of Expenditure over Income, carried to Balance Sheet	—	—			<u>£52 9 6</u>
		<u>£52 9 6</u>	<u>£168 8 0</u>			

INCOME AND EXPENDITURE ACCOUNTS OF OTHER FUNDS FOR THE YEAR ENDED 31ST DECEMBER, 1943.

SPECIAL LECTURES FUND.

		Income.		Expenditure.	
		1943	1942	1943	
		£	£	£	s. d.
£	s. d.				
33	18 4	To Dividends on Investments	26	0 0	By Honorarium
11	11 2	" Income Tax recovered	6	1 6	" Lecture Expenses
8	8 5	" Interest on Deposit	14	16 5	" Balance, being excess of Income over Expenditure, carried to Balance Sheet
		<u>£45 19 1</u>	<u>£45 17 11</u>		

THE FARADAY LECTURE FUND.

		Income.		Expenditure.	
		1943	1942	1943	
		£	£	£	s. d.
£	s. d.				
6	11 4	To Dividends on Investments	13	2 5	By Balance, being Excess of Income over Expenditure, carried to Balance Sheet
6	11 3	" Income Tax recovered			
1	1 2	" Interest on Deposit			
		<u>£13 3 9</u>	<u>£13 2 5</u>		

THE TILDEN LECTURE FUND.

		Income.		Expenditure.	
		1943	1942	1943	
		£	£	£	s. d.
£	s. d.				
42	9 7	To Dividends on Investments	47	5 0	By Honorarium
30	11 0	" Income Tax recovered	10	19 2	" Lecture Expenses
3	11	" Interest on Deposit	37	16 0	" Transfer to Publications Fund, for cost of publication of Lectures
22	15 8	" Balance, being Excess of Expenditure over Income, carried to Balance Sheet			" Balance, being Excess of Income over Expenditure, carried to Balance Sheet
		<u>£73 17 8</u>	<u>£96 0 2</u>		

THE CHEMICAL SOCIETY. BALANCE SHEETS, 31ST DECEMBER, 1943.

PUBLICATIONS FUND.

1942		1943		1944		1943		1944	
£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.
10,363	3 10	10,363	3 10	10,363	3 10	10,363	3 10	9,564	5 9
Liabilities.		Liabilities.		Liabilities.		Liabilities.		Assets.	
To Excess of Assets over Liabilities as per last Balance Sheet		To Excess of Assets over Liabilities as per last Balance Sheet		To Excess of Assets over Liabilities as per last Balance Sheet		To Excess of Assets over Liabilities as per last Balance Sheet		By Investments as per Schedule (cost or value when acquired)	
Deduct Loss on realisation of Investment		Deduct Loss on realisation of Investment		Deduct Loss on realisation of Investment		Deduct Loss on realisation of Investment			
10,363 3 10		10,363 3 10		10,363 3 10		10,363 3 10		9,564 5 9	
£10,363 3 10		£10,363 3 10		£10,363 3 10		£10,363 3 10		£9,564 5 9	

SPECIAL RESERVE FUND.

1942		1943		1944		1943		1944	
£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.
2800	0 0	6400	0 0	7350	0 0	7350	0 0	9000	0 0
1250	0 0	3000	0 0	150	0 0	150	0 0	3000	0 0
1500	0 0	---	---	1534	7 0	1534	7 0	1414	5 0
750	0 0	---	---	511	9 2	511	9 2	654	4 8
Liabilities.		Liabilities.		Liabilities.		Liabilities.		Assets.	
To Reserve for Publications as per last Balance Sheet		To Reserve for Publications as per last Balance Sheet		To Reserve for Publications as per last Balance Sheet		To Reserve for Publications as per last Balance Sheet		By Investments as per Schedule (cost or value when acquired)	
Add Amount transferred from General Purposes Account		Add Amount transferred from General Purposes Account		Add Amount transferred from General Purposes Account		Add Amount transferred from General Purposes Account		" Surplus Debtors (General Purposes Account)	
Add Transfer from the Chemical Council: £1500 3% Savings Bonds, 1955/65		Add Transfer from the Chemical Council: £1500 3% Savings Bonds, 1955/65		Add Transfer from the Chemical Council: £1500 3% Savings Bonds, 1955/65		Add Transfer from the Chemical Council: £1500 3% Savings Bonds, 1955/65		" Cash at Bank	
£750 2% National War Bonds, 1949/51		£750 2% National War Bonds, 1949/51		£750 2% National War Bonds, 1949/51		£750 2% National War Bonds, 1949/51		" Cash on Deposit in Post Office Savings Bank	
Reserve for Library Books and Binding as per last Balance Sheet		Reserve for Library Books and Binding as per last Balance Sheet		Reserve for Library Books and Binding as per last Balance Sheet		Reserve for Library Books and Binding as per last Balance Sheet			
Add Amount transferred from General Purposes Account		Add Amount transferred from General Purposes Account		Add Amount transferred from General Purposes Account		Add Amount transferred from General Purposes Account			
Reserve for Research Fund as per last Balance Sheet		Reserve for Research Fund as per last Balance Sheet		Reserve for Research Fund as per last Balance Sheet		Reserve for Research Fund as per last Balance Sheet			
Add Amount transferred from Research Fund		Add Amount transferred from Research Fund		Add Amount transferred from Research Fund		Add Amount transferred from Research Fund			
Emile Mond Bequest as per last Balance Sheet		Emile Mond Bequest as per last Balance Sheet		Emile Mond Bequest as per last Balance Sheet		Emile Mond Bequest as per last Balance Sheet			
Excess of Income over Expenditure brought forward		Excess of Income over Expenditure brought forward		Excess of Income over Expenditure brought forward		Excess of Income over Expenditure brought forward			
Add Excess of Income over Expenditure for year		Add Excess of Income over Expenditure for year		Add Excess of Income over Expenditure for year		Add Excess of Income over Expenditure for year			
24	3 3	95	0 2	100	0 0	2850	0 0		
70	16 11	192	13 6	287	13 8				
£9545 16 2		£13,938 9 8		£9545 16 2		£13,938 9 8		£13,938 9 8	

THE CHEMICAL SOCIETY. BALANCE SHEETS, 31ST DECEMBER, 1943.

CENTENARY FUND.

1942		1943		1942		1943	
£	s. d.	£	s. d.	£	s. d.	£	s. d.
1026	13 9	1052	1 8	1041	6 2	1067	6 2
25	7 11	26	0 0	1041	6 2	1067	6 2
£1052 1 8		£1078 1 8		£1062 1 8		£1078 1 8	
				<i>Liabilities.</i>			
				To Excess of Assets over Liabilities as per last			
				Balance Sheet			
				Add Excess of Income over Expenditure for			
				year			
				<i>Assets.</i>			
				By Cash at Bank			
				" Cash on Deposit in Post Office Savings Bank and London Savings Bank			

STAFF PENSIONS FUND.

1942		1943		1942		1943	
£	s. d.	£	s. d.	£	s. d.	£	s. d.
3174	11 9	3368	12 8	3172	13 9	3322	13 9
194	0 11	271	17 5	208	8 11	330	6 4
£3381 2 8		£3640 10 1		£3381 2 8		£3653 0 1	
				<i>To Sundry Creditors</i>			
				" Excess of Assets over Liabilities as per last			
				Balance Sheet			
				Add Excess of Income over Expenditure for			
				year			
				<i>By Investments as per Schedule (cost or value when acquired)</i>			
				" Cash at Bank			

THE EDWARD FRANK HARRISON MEMORIAL TRUST FUND.

1942		1943		1942		1943	
£	s. d.	£	s. d.	£	s. d.	£	s. d.
1262	8 8	1156	9 6	1101	7 11	1101	7 11
105	19 2	52	9 6	63	9 7	107	11 1
£1164 17 6		£1208 19 0		£1164 17 6		£1208 19 0	
				<i>To Sundry Creditors</i>			
				" Excess of Assets over Liabilities as per last			
				Balance Sheet			
				Add Excess of Income over Expenditure for			
				year			
				<i>Deduct Excess of Expenditure over Income</i>			
				for year			
				<i>By Investments as per Schedule (cost or value when acquired)</i>			
				" Cash at Bank			

THE CHEMICAL SOCIETY. BALANCE SHEETS, 31ST DECEMBER, 1943.

SPECIAL LECTURES FUND.

1942		1943		1942		1943	
£	s. d.	£	s. d.	£	s. d.	£	s. d.
1154	2 1	1168	18 6	1000	0 0	1000	0 0
14	16 5	1168	18 6	168	18 6	189	17 7
		<u>£1168 18 6</u>		<u>£1189 17 7</u>		<u>£1189 17 7</u>	
<i>Liabilities.</i>				<i>Assets.</i>			
To Excess of Assets over Liabilities as per last Balance Sheet				By Investment as per Schedule (cost or value when acquired)			
Add Excess of Income over Expenditure for year				" Cash at Bank			

THE FARADAY LECTURE FUND.

405	8 7	418	11 0	369	4 0	369	4 0
13	2 5	418	11 0	49	7 0	62	10 9
		<u>£418 11 0</u>		<u>£418 11 0</u>		<u>£431 14 9</u>	
To Excess of Assets over Liabilities as per last Balance Sheet				By Investment as per Schedule (cost or value when acquired)			
Add Excess of Income over Expenditure for year				" Cash at Bank			

THE TILDEN LECTURE FUND.

1662	14 9	1839	19 1	1878	14 10	1878	14 10
22	15 8	1979	2 9	86	8 3	112	19 11
		<u>£1991 14 9</u>		<u>£1965 3 1</u>		<u>£1991 14 9</u>	
To Sundry Creditors				By Investments as per Schedule (cost or value when acquired)			
" Excess of Assets over Liabilities as per last Balance Sheet				" Cash at Bank			
Add Excess of Income over Expenditure for year							
Deduct Excess of Expenditure over Income for year							

SCHEDULE OF INVESTMENTS.

GENERAL PURPOSES

Nominal Details.	Cost or Value when Acquired.		Market Value 31st December, 1943.	
	£	s. d.	£	s. d.
£3629 6s. 8d. 5% Conversion Stock, 1944/64	3491	2 8	3706	9 3
£11,426 16s. 0d. 3½% Conversion Stock, 1961, or after	8874	2 2	11,969	10 5
£600 4% Funding Stock, 1960/90	480	0 0	679	10 0
£408 2s. 6d. 3% Funding Stock, 1959/69	394	11 5	411	3 9
£100 3% Savings Bonds, 1955/65	100	0 0	101	0 0
£1200 14s. 9d. 3% Savings Bonds, 1960/70	1200	14 9	1203	14 10
£1520 10s. 3d. Cardiff Corporation 3% Stock, 1914/54	1650	0 0	1520	14 3
£9400 Bristol Corporation 2½% Debenture Stock, 1957	2073	2 0	2280	0 0
£1200 Leeds Corporation 3% Stock	1143	1 0	1116	0 0
£787 London, Midland and Scottish Railway 4% Debenture Stock	829	3 4	829	8 4
£2713 London, Midland and Scottish Railway 4% Preference Stock	9572	7 0	2089	0 2
£1200 London and North Eastern Railway 3% Debenture Stock	1033	11 0	978	0 0
	£94,848	8 11	£96,877	11 0

PUBLICATIONS FUND.

£2520 19s. 9d. 3½% Conversion Stock, 1961, or after	3645	12 8	5510	17 11
£10,177 16s. 1d. 3½% Conversion Stock, 1944/64	3199	18 7	3240	10 1
£1000 3% Savings Bonds, 1957/65	1000	0 0	1010	0 0
£1261 1s. 11d. 3% Savings Bonds, 1960/70	1261	1 11	1264	5 1
£603 London, Midland and Scottish Railway 4% Guaranteed Stock	457	12 7	609	0 7
	£9564	6 9	£11,634	13 8

RESEARCH FUND.

£4498 11s. 0d. 5% Conversion Stock, 1944/64	4267	4 10	4594	2 10
£10,177 16s. 1d. 3½% Conversion Stock, 1961, or after	8823	2 3	10,661	5 0
£806 Victoria 3% Stock, 1929/49	706	6 2	787	18 10
£1000 London and North Eastern Railway 4% 2nd Guaranteed Stock	1010	0 0	900	0 0
£1034 Great Western Railway 2½% Debentures	1049	15 11	749	13 0
£1483 London, Midland and Scottish Railway 4% Debenture Stock	1508	3 6	1549	14 8
£1122 Metropolitan Water Board 3% "B" Stock	1002	16 9	1077	2 5
	£18,377	9 5	£20,329	16 9

SPECIAL RESERVE FUND.

£1000 3% National Defence Bonds	1000	0 0	1000	0 0
£2447 7s. 10d. 2½% National War Bonds, 1946/48	2450	0 0	2496	6 9
£1612 10s. 2d. 2½% National War Bonds, 1945/47	1650	0 0	1644	15 2
£2400 2½% National War Bonds, 1949/51	2400	0 0	2403	0 0
£1500 3% Savings Bonds, 1955/65	1500	0 0	1515	0 0
	£9000	0 0	£9059	1 11

SPECIAL PUBLICATIONS FUND.

Nominal Details.	Cost or Value when Acquired.		Market Value 31st December, 1943.	
	£	s. d.	£	s. d.
£2115 8s. 10d. 3½% Conversion Stock, 1961, or after	1600	0 0	£2215	18 6

STAFF PENSIONS FUND.

£683 6s. 1d. 3½% Conversion Stock, 1961, or after	577	13 9	715	15 2
£371 17s. 1d. 3½% Conversion Stock, 1944/64	375	0 0	379	15 1
£2100 2½% National War Bonds, 1946/48	2100	0 0	2142	0 0
£150 2½% National War Bonds, 1951/53	150	0 0	150	15 0
£170 3% Savings Bonds, 1955/65	170	0 0	171	14 0
	£3322	13 9	£3559	19 3

THE EDWARD FRANK HARRISON MEMORIAL TRUST FUND.

£91 15s. 8d. 3½% Conversion Stock, 1961, or after	50	1 5	64	14 2
£1255 London, Midland and Scottish Railway 4% Debenture Stock	1021	6 6	1311	9 6
	£1101	7 11	£1376	3 9

SPECIAL LECTURES FUND.

£1299 9s. 4d. 3½% Conversion Stock, 1961, or after	1000	0 0	£1361	3 10
--	------	-----	-------	------

THE FARADAY LECTURE FUND.

£374 19s. 0d. 3½% Conversion Stock, 1961, or after	369	4 0	£392	15 2
--	-----	-----	------	------

THE TILDEN LECTURE FUND.

£419 4s. 10d. 3% Funding Stock, 1959/69	386	12 10	422	7 8
186 National Provincial Bank Shares £5 each, £1 paid "B"	678	18 0	697	10 0
£532 London Transport "B" 5% Stock	625	2 0	630	8 5
£220 Metropolitan Water Board (Kent Water Works) 3% Deb. Stock	188	2 0	203	10 0
	£1878	14 10	£1953	16 1

F. P. DUNN, Treasurer.

We have examined the above Balance Sheets and accompanying Income and Expenditure Accounts with the Books and Vouchers of the Society, and certify them to be in accordance therewith. We have also verified the Balances at the Bankers and the Investments.

224, REGENT STREET, W. 1.
24th March, 1944.

W. B. KEENE & Co.,
Chartered Accountants.

APPENDIX A.

REPORT OF THE BUREAU OF CHEMICAL AND PHYSIOLOGICAL
ABSTRACTS FOR THE YEAR 1943.

In March, 1943, the British Commonwealth Science Committee, under the Chairmanship of the President of the Royal Society, issued a report in which attention was drawn to the need for a rationalisation of effort in the provision of an efficient and widespread information service. The report refers, *inter alia*, to the major abstracting services in this country, including the Imperial Agricultural Bureaux, the Bureau of Hygiene and Tropical Medicine, Science Abstracts, and the Bureau of Chemical and Physiological Abstracts, and stresses the overlap particularly between the scope of the last two. The Bureau, well aware of the overlap, not only with the major abstracting organisations, but with Societies issuing abstracts of more specialised character, has sought, by negotiation, to reduce this duplication of effort.

The policy of the Bureau has been to cover as completely as possible the fields of science with which it deals by means of "indicative abstracts." War-time limitations of paper have handicapped the Editor and Abstractors, but it has been the length of the abstract and not the number of abstracts which has been decreased. The Bureau does not assume the right to judge the value of any paper or article: it considers it to be its duty to reflect dispassionately all the published scientific work which comes within its field.

In November, 1943, the Bureau celebrated the 20th Anniversary of its formation, and offered its congratulations and thanks to Mr. Julian Baker, who, as a representative of the Society of Chemical Industry, is the only member who has served continuously for the whole twenty years. The thanks of the Bureau were also accorded to Dr. C. R. Harington, who resigned his membership as a representative of the Chemical Society at the end of the year. It is difficult to speak too highly of the help given by Dr. Harington during his five years' membership of the Bureau.

As indicated above, the Officers of the Bureau have continued to discuss with representatives of other bodies, including the Management Committee of Science Abstracts, the possibilities of collaboration with the Bureau, but these discussions have not so far led to definite results, except in the case of the Society for Experimental Biology. Arrangements have now been made whereby that Society is to become a supporting Society of the Bureau on the basis of an annual contribution and a reduced price of Abstracts A III to its members. The Bureau is glad to have this opportunity of welcoming the latest participating Society and of expressing its appreciation of the offer of assistance in sub-editing certain sections of the Abstracts A III, which has been gratefully accepted.

The Bureau, with the concurrence of the Chemical Society, the Society of Chemical Industry, and the Physiological Society, has agreed to a request of the Biochemical Society to appoint a representative on the Bureau. The Bureau was glad to be able to accede to this request of the Biochemical Society in view of the continued interest which that Society has evinced during so many years in the work of the Bureau. Professor F. G. Young has become a member of the Bureau as nominee of the Biochemical Society.

Although the Bureau is responsible for the preparation and publication of all its abstracts and is, in fact, the publisher of its Annual and Collective Indexes, hitherto the Chemical Society has been officially the publisher of Abstracts A, and the Society of Chemical Industry of Abstracts B. This anomaly has now been removed, for with the consent of the Chemical Society and the Society of Chemical Industry the Bureau has been authorised to act as Publisher of all its abstracts and indexes.

The proceeds of sales of the Collective Indexes of Abstracts during the year were:

	£	s.	d.
Decennial Index	57	0	0
Quinquennial Index, 1932—37	219	0	0

Another matter which has been under review is the liability of members of the Bureau in respect of contracts entered into by the Bureau. Under present circumstances members of the Bureau have an unlimited personal liability, since the Bureau is an unincorporated body. Acting on legal advice, and with the approval of the supporting Societies, it has been decided to take the necessary steps to incorporate the Bureau by the formation of a Company under the Companies Act, limited by guarantee and not having a share capital.

Consideration has been given to criticisms of the Indexes of the Abstracts, and a Sub-Committee has been appointed to consider possible improvements.

Early in the year a Sub-Committee was appointed to consider the classification and sub-division of the Abstracts as a whole. This Committee in due course presented a comprehensive report dealing with all the sections of the Abstracts excepting A II, the classification of which has only recently been

rearranged. Acting on this report the Bureau made a number of minor alterations in the titles of various sections of the Abstracts, but the most important result of the recommendations of the Sub-Committee was the decision to issue a separate section of the Abstracts containing all matter relating to analysis and laboratory apparatus; it was further recommended that the distribution of the Abstracts on vitamins between the various sections should receive further consideration. The valuable work of this Sub-Committee led to the appointment of a further special Sub-Committee to consider these last two recommendations.

The Sub-Committee on analysis consisted of members of the Bureau together with Dr. A. Parker and two representatives of the Society of Public Analysts. After a number of detailed discussions the Bureau agreed, on the reports of the Sub-Committee, that the new section of the Abstracts should be called "C Analysis and Apparatus" and classified as follows: I, Inorganic, pure and applied; II, Organic, pure and applied; III, Physiology, Biochemistry, Foods, Sanitation, Agriculture; IV, General technique and laboratory apparatus.

Sections A and B of the Abstracts will therefore in future contain no abstracts dealing with analytical methods and laboratory apparatus (chemical plant will, as before, be dealt with in B I), but cross-references to abstracts in section C will be inserted in appropriate places in A and B. There are many papers in which descriptions of analytical methods or apparatus are only a part; such papers will be represented by two abstracts, one in section C giving the matter relevant to that section and the other in its usual place in A or B dealing with the remainder of the investigation. Dr. E. B. Hughes will act as Assistant Editor of section C, and a "C Abstracts Sub-Committee" has been appointed consisting of the Honorary Officers of the Bureau, Dr. Hughes, Mr. R. C. Chirnside, Mr. B. S. Cooper, Dr. E. J. King, Dr. A. Parker, and the Secretary of the Bureau. It was further decided that this section of the Abstracts should be available without extra charge to all members who already receive one or more sections of the Abstracts, and that the price to non-members should be 15s. per annum, including the separate index.

The recommendation, mentioned above, regarding abstracts on vitamins was also referred to a special Sub-Committee consisting of members of the Bureau and representatives of the Nutrition Society and of the Food Group of the Society of Chemical Industry. On the report of this Sub-Committee, it was decided that all abstracts relating to vitamins other than those which are mainly technological or analytical should be placed in A III section xviii, and that the title of this section should be changed to "Animal Nutrition" with five sub-headings: General; Carbohydrates and Fats; Proteins and Amino-Acids; Minerals and Trace Elements; and Vitamins; and that a reference to the section of metabolism should be inserted at the end of section xviii. In view of the paucity of abstracts dealing with nutrition subjects other than vitamins the insertion of the first four of the above sub-headings has been postponed, so that the class has now only one sub-heading "Vitamins."

In the last Annual Report it was mentioned that for the first time a comprehensive picture of the cost to the chemical community of the abstracting service was possible. In a similar way the Annual Income and Expenditure Accounts for 1943 (see Appendix I) can be summarised as follows (figures for 1942 are included for comparison):

EXPENDITURE.				INCOME.			
1942.		1943.	1942.		1943.		
£		£	£	£	£	£	£
	Cost of production :					Sales and advertisements :	
2159	A I	2010	2091			A I and A II	2217
2479	A II	2245	2004			A III	2195
3845	A III	3928	1877			B I, B II, B III	2733
2371	B I	2493		5972			
2084	B II	2087				Contributions :	
1464	B III	1690	3722			Chemical Society	3477
			4068			Society of Chemical Industry	3609
			100			Institute of Chemistry	—
			400			Physiological Society	400
			300			Biochemical Society	300
			100			Anatomical Society	100
			312			Chemical Council	380
			—			Miscellaneous	97
			—	9002			
				£14,974			£15,508
				872		Less placed to reserve and balance	1055
				£14,102			£14,453
£14,102		£14,453					

Cost of production has therefore risen by some £350 while sales and advertisements have increased by nearly £1200, a most encouraging feature, reflecting as it does the desire of persons outside the Societies contributing to the scheme to obtain the publications of the Bureau.

It is to be remembered that the Chemical Society and the Society of Chemical Industry respectively meet the balance of expenditure on A I and A II and on B I, B II, and B III, and the increased sales of these sections means that whereas the Chemical Society contributed some £2220 last year, it has only been called upon to provide £1980 this year. Similarly the Society of Chemical Industry contributed £3823 last year and £3534 this year. The contribution of the two Societies to the A III Fund remains as last year, namely £1500 by the Chemical Society and £75 by the Society of Chemical Industry; a gift of £380 from the Chemical Council in respect of Abstracts A III is also gratefully acknowledged.

The figures in Appendix II show that the total number of abstracts printed in 1943 was 25,195 (1436 pages) compared with 26,008 (1534 pages) in 1942, a decrease of 813 in number of abstracts and 98 in pages. That these decreases are so small, despite the reduced size of many of the publications still available, is largely due to the fact that the Bureau has been able to borrow a number of German journals from the Libraries of the National Physical Laboratory, the Chemical Research Laboratory, and certain branches of Imperial Chemical Industries, as well as from the Science Library. The Bureau welcomes this opportunity of expressing its cordial appreciation of these facilities.

Finally, the Bureau wishes to place on record its grateful thanks to the Assistant Editors and Abstractors, who have continued to devote much of their very limited spare time to the preparation of the abstracts.

APPENDIX II.

The figures given in the appended tables show the number of abstracts and pages printed in each section during 1943, together with comparative figures for 1942.

Quarter.	A I.				A II.				A III.			
	1942.		1943.		1942.		1943.		1942.		1943.	
	No. of Abs.	Pages.	No. of Abs.	Pages.	No. of Abs.	Pages.	No. of Abs.	Pages.	No. of Abs.	Pages.	No. of Abs.	Pages.
1st	742	62	741	38	414	62	307	38	2339	140	2106	110
2nd	845	48	994	48	341	44	482	52	2052	112	2224	114
3rd	899	44	671	36	371	40	447	54	2328	110	2571	128
4th	1108	52	743	40	611	70	403	58	2394	114	2091	112
	<u>3594</u>	<u>206</u>	<u>3149</u>	<u>162</u>	<u>1737</u>	<u>216</u>	<u>1639</u>	<u>202</u>	<u>9013</u>	<u>476</u>	<u>8992</u>	<u>464</u>

Quarter.	B I.				B II.				B III.			
	1942.		1943.		1942.		1943.		1942.		1943.	
	No. of Abs.	Pages.	No. of Abs.	Pages.	No. of Abs.	Pages.	No. of Abs.	Pages.	No. of Abs.	Pages.	No. of Abs.	Pages.
1st	1466	88	1279	66	921	68	897	50	779	48	652	34
2nd	1055	52	1421	64	897	56	902	52	590	32	571	36
3rd	1258	56	1294	62	958	52	885	50	454	24	734	44
4th	1564	74	1260	62	926	50	836	48	796	36	684	40
	<u>5343</u>	<u>270</u>	<u>5254</u>	<u>254</u>	<u>2702</u>	<u>226</u>	<u>3520</u>	<u>200</u>	<u>2619</u>	<u>140</u>	<u>2641</u>	<u>154</u>

APPENDIX I

BUREAU OF CHEMICAL AND PHYSIOLOGICAL ABSTRACTS.

INCOME AND EXPENDITURE ACCOUNT OF ABSTRACTS A I AND A II FOR THE YEAR ENDED 31ST DECEMBER, 1943.

	1942		1943		1942		Income.		
	£	s. d.	£	s. d.	£	s. d.	£	s. d.	
Expenditure.									
Abstracts A I:									
To Editorial Salaries	405	6 0	383	16 0	2070	0 8	By Sales of Abstracts A I and A II	2217	4 11
Postages	24	10 5	22	9 9	21	3 0	Net Revenue from Advertisements	60	12 0
Abstractors' Fees	293	5 9	242	10 3	25	0 0	Contribution, The Royal Institute of Chemistry	—	—
Printing and Paper	762	2 2	678	4 8	2221	19 9	Transfer from The Chemical Society Publications Fund (the balance of	—	—
Banding and Distribution	117	7 5	145	11 11			Expenditure on Abstracts A I and A II)	1977	7 5
Miscellaneous (including War Damage Insurance)	45	5 1	49	5 9					
		1647		1531					
		16		18					
		10		4					
Index—									
Salaries	68	2 0	64	0 8					
Superannuation	4	18 5	4	12 1					
Printing and Paper	175	1 7	181	13 9					
Banding and Distribution	18	0 9	20	4 2					
Miscellaneous	30	9 1	3	7 4					
		286		273					
		11		18					
		10		0					
Share of Overhead Expenses, The Chemical Society	161	15 3	147	13 0					
Share of Overhead Expenses, Society of Chemical Industry	53	0 0	65	6 8					
		214		212					
		15		19					
		3		8					
		2159		2008					
		3		16					
		11		0					
Abstracts A II:									
To Editorial Salaries	311	3 5	316	16 8					
Postages	24	7 11	23	7 3					
Abstractors' Fees	309	19 2	302	7 10					
Printing and Paper	875	0 1	913	7 4					
Banding and Distribution	117	7 5	145	11 11					
Miscellaneous (including War Damage Insurance)	45	5 1	49	5 8					
		1683		1750					
		3		8					
Index—									
Salaries	71	19 3	79	17 0					
Superannuation	4	18 5	4	13 1					
Printing and Paper	156	0 7	172	2 0					
Banding and Distribution	18	0 9	21	17 0					
Miscellaneous	30	2 2	4	3 11					
		281		282					
		1		12					
		2		0					
Share of Overhead Expenses, The Chemical Society	161	15 3	147	13 0					
Share of Overhead Expenses, Society of Chemical Industry	53	0 0	65	6 8					
		214		212					
		15		19					
		3		8					
		2178		2246					
		19		8					
		6		4					
		44338		44338					
		3		3					
		5		5					
		44265		44265					
		4		4					
		4		4					

INCOME AND EXPENDITURE ACCOUNT OF ABSTRACTS A III FOR THE YEAR ENDED 31ST DECEMBER, 1943.

1942		1943		1944		1945	
£	s. d.	£	s. d.	£	s. d.	£	s. d.
<i>Expenditure.</i>							
To Editorial Salaries	531 7 10	557 4 6	577 12 1	1989 12 1	11 7	11 7	11 7
" Postages	30 8 11	27 6 5	27 6 5	11 7	11 7	11 7	11 7
" Abstractors' Fees	691 1 11	699 14 10	699 14 10	11 7	11 7	11 7	11 7
" Printing and Paper	1508 14 7	1563 9 0	1563 9 0	11 7	11 7	11 7	11 7
" Binding and Distribution	117 7 4	145 1 2	145 1 2	11 7	11 7	11 7	11 7
" Miscellaneous (including War Insurance)	20 18 1	30 12 10	30 12 10	11 7	11 7	11 7	11 7
Index:			3023 8 9				
Editorial Salaries	156 14 10	188 8 2	188 8 2				
Superannuation	11 2 0	11 14 8	11 14 8				
Printing and Paper	465 5 2	465 15 9	465 15 9				
Binding and Distribution	23 10 0	21 1 11	21 1 11				
Miscellaneous	73 2 10	9 12 9	9 12 9				
Share of Overhead Expenses, Chemical Society	161 15 3	147 13 0	147 13 0				
Share of Overhead Expenses, Society of Chemical Industry	53 0 0	65 6 8	65 6 8				
Transfer to Reserve Fund	214 15 3	212 19 8	212 19 8				
Excess of Income over Expenditure, carried over	700 0 0	950 0 0	950 0 0				
to Balance Sheet	171 10 5	105 2 6	105 2 6				
	<u>£4715 19 2</u>	<u>£4983 4 2</u>	<u>£4983 4 2</u>				
<i>Income.</i>							
By Sales of Abstracts A III							
" Sales of Physiological Abstracts							
Contributions:							
The Chemical Society (Annual Grant)	1600 0 0	1600 0 0	1600 0 0				
The Physiological Society	400 0 0	400 0 0	400 0 0				
The Biochemical Society	300 0 0	300 0 0	300 0 0				
The Anatomical Society	100 0 0	100 0 0	100 0 0				
The Society of Chemical Industry	75 0 0	75 0 0	75 0 0				
The Chemical Council	312 0 0	312 0 0	312 0 0				
The Royal Institute of Chemistry	25 0 0	25 0 0	25 0 0				
Interest on Deposit	2712 0 0	2712 0 0	2712 0 0				
" Net Revenue from Advertisements	3 4 0	3 4 0	3 4 0				
	10 11 6	10 11 6	10 11 6				
	<u>£4715 19 2</u>	<u>£4715 19 2</u>	<u>£4715 19 2</u>				

BALANCE SHEET OF ABSTRACTS A III FOR THE YEAR ENDED 31ST DECEMBER, 1943.

1942		1943		1944		1945	
£	s. d.	£	s. d.	£	s. d.	£	s. d.
<i>Liabilities.</i>							
To Sundry Creditors	1082 15 8	1469 0 2	1469 0 2	800 3 7	800 3 7	800 3 7	800 3 7
" Amount due to Reserve Fund	—	950 0 0	950 0 0	454 16 0	454 16 0	454 16 0	454 16 0
" Excess of Assets over Liabilities as per last Balance Sheet	13 6	172 3 11	172 3 11	—	—	—	—
Add Excess of Income over Expenditure for year	171 10 5	105 2 6	105 2 6	—	—	—	—
	<u>£4715 19 2</u>	<u>£4983 4 2</u>	<u>£4983 4 2</u>				
<i>Assets.</i>							
By Sundry Debtors	—	—	—	—	—	—	—
" Cash at Bank	—	—	—	—	—	—	—
	<u>£4715 19 2</u>	<u>£4983 4 2</u>	<u>£4983 4 2</u>				

INCOME AND EXPENDITURE ACCOUNT OF ABSTRACTS A III RESERVE FUND FOR THE YEAR ENDED 31ST DECEMBER, 1943.

1942	1943	1942	1943
£ s. d.	£ s. d.	£ s. d.	£ s. d.
£5 3 0	£28 11 6	£5 3 0	£28 11 6
To Excess of Income over Expenditure carried to Balance Sheet	Income.	By Dividend on Investments

BALANCE SHEET OF ABSTRACTS A III RESERVE FUND FOR THE YEAR ENDED 31ST DECEMBER, 1943.

£ s. d.	£ s. d.	£ s. d.	£ s. d.
700 0 0	1405 3 0	1400 0 0	1400 0 0
700 0 0	950 0 0	—	12 0 11
5 3 0	28 11 6	5 3 0	950 0 0
1405 3 0	2383 14 6	—	21 13 7
£1405 3 0	£2383 14 6	£1405 3 0	£2383 14 6

Liabilities.
 To Excess of Assets over Liabilities as per last Balance Sheet 1405 3 0
 Add Amount transferred from Abstract A III Account 950 0 0
 Add Excess of Income over Expenditure for Year 28 11 6

Assets.
 By Investments as per Schedule (cost or value when acquired) 1400 0 0
 Sundry Debtors 12 0 11
 Amount due from A III Account 950 0 0
 Cash at Bank 21 13 7

F. P. DUNN,
Treasurer of Bureau.

We have examined the above Balance Sheets and accompanying Income and Expenditure Accounts with the Books and Vouchers, and certify them to be in accordance therewith. We have also verified the Balances at the Bankers and the Investments.

224, REGENT STREET, W. 1.
 24th March, 1944.

W. B. KEEN & CO.,
Chartered Accountants.

SCHEDULE OF INVESTMENTS OF ABSTRACTS A III RESERVE FUND.

£700 3% Savings Bonds, 1955/55	Value or Cost when Acquired.	Market Value 31st December, 1943.
£700 2½% National War Bonds, 1951/53	£ s. d.	£ s. d.
...	700 0 0	707 0 0
...	700 0 0	703 10 0
...	£1400 0 0	£1410 10 0

BUREAU OF CHEMICAL AND PHYSIOLOGICAL ABSTRACTS.

INCOME AND EXPENDITURE ACCOUNT OF ABSTRACTS B I, B II AND B III FOR THE YEAR ENDING 31ST DECEMBER, 1943.

1942		1943		1942		1943		Income.			
£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.		
Expenditure.											
Abstracts B I:											
To Editorial Salaries											
407	9 5	438	3 3	1873	19 9	2732	16 9	2732	16 9		
16	1 5	17	17 4	2	13 5	3	2 5	3	2 5		
390	6 6	382	4 2	By Sales of Abstracts						2735	19 2
933	19 6	992	19 3	" Share of Fees and Sundry Sales						3533	15 10
114	18 2	129	6 10	" The Royal Institute of Chemistry Grant							
22	8 6	19	11 11	" Excess of Expenditure over Income trans-ferred to Society of Chemical Industry							
" Miscellaneous											
1885	3 6	1980	2 9								
" Index—											
Salaries											
92	9 5	100	8 0								
235	6 4	252	18 2								
21	2 5	29	5 2								
30	15 8	5	5 7								
379	13 10	387	16 11								
106	6 8	125	6 8								
2371	4 0	2493	6 4								
" Share of Overhead Expenses											
Abstracts B II:											
To Editorial Salaries											
341	1 0	345	0 1								
16	1 5	17	17 4								
325	19 3	300	19 0								
847	19 10	843	16 10								
114	18 0	129	6 10								
22	8 6	19	11 11								
1668	8 0	1656	12 0								
" Index—											
Salaries											
77	6 0	79	1 2								
189	5 11	199	1 2								
16	18 5	23	0 5								
25	15 3	4	3 1								
309	5 7	305	5 10								
106	6 8	125	6 8								
2084	0 3	2087	4 6								
" Share of Overhead Expenses											
Abstracts B III:											
To Editorial Salaries											
211	7 7	265	13 1								
16	1 5	17	17 3								
199	6 11	231	14 8								
567	16 0	664	16 11								
114	18 0	129	6 10								
22	8 6	19	11 11								
1131	18 5	1329	0 8								
" Index—											
Salaries											
47	19 3	60	17 5								
148	17 10	153	1 5								
13	4 7	17	14 0								
15	19 4	3	4 0								
226	1 0	234	16 10								
106	6 8	125	6 8								
1464	6 1	1689	4 2								
£5919	10 4	£5269	15 0								
£5919	10 4	£5269	15 0								

APPENDIX B.

ANNUAL REPORT OF THE JOINT LIBRARY COMMITTEE, 1943.

The Library has been more intensively used during 1943 than in any previous year. Attendances show an increase of 1,272 over those recorded in 1942, the number of books borrowed increased by 966, and 289 more volumes were issued by post than in the previous year.

Telephone enquiries increased by 318, the total for 1943 numbering 1,417.

The most marked increase was in photostat copying, the number of printed pages copied (2,873) not only being an increase of 1,113 over the 1942 figures, but also 789 more than in the year 1926, which had been the record year for photostat copying.

138 books were added to the Library, of which 34 were presented. These, together with 334 volumes of periodicals, give a total for the year of 472 volumes added. There are now 45,599 volumes in the Library, consisting of 13,590 books and 32,009 volumes of periodicals.

	Attendances.	Books borrowed.	Books added.	Volumes of periodicals.	Pamphlets.
1943	6692	6824 (2831 by post)	138	334	236
1942	5420	5858 (2542 by post)	195	302	208

The Microfilm Reader has been considerably used by readers to consult the microfilm copies of the *Berichte* and *Liebig's Annalen* for 1940 to 1943. Arrangements have been made by which it is hoped to obtain many of the German chemical periodicals published since 1939.

The direct importation of books from the United States has resulted in their being available in the Library with much less delay than previously.

The Committee desires to express its sincere thanks to Fellows and others who have so kindly presented books to the Library, and also to Professor E. L. Kennaway, F.R.S., for his welcome gift of a bronze medal issued to celebrate the 60th year of Albrecht Kossel.

Attention must again be called to gravely inadequate accommodation. In the past it has been the growth of the Library which has caused the greatest concern. Temporary relief has been gained by placing shelving in odd corners and sending books away to storage. Such extra shelving has been at the expense of room for readers, and the space gained by storing books has been filled with later additions, so that when these books are required at the end of the war there will be no room for them.

The development now recorded, of intensive and ever-increasing use of the Library, cannot be met by any such expedient. The present accommodation is taxed to the utmost—indeed, frequently over-taxed—and the only possibility in the present building would appear to be to use the present meeting room for further shelving and as a reading-room, and for meetings to be held elsewhere. Even this would only be a makeshift, and it is difficult to see how the rapidly increasing demands on the services of the Library can be met until it is housed in premises more befitting its national importance.

APPENDIX C.

LECTURES, ETC.

In London.

31st January, *meeting* for reading papers; 18th February, *Tilden Lecture*, "Aspects of Nucleotide Chemistry," by Professor J. M. Gulland; 26th March, *Presidential Address*, "Stereochemistry of Labile Compounds," by Dr. W. H. Mills; 15th April, *Liversidge Lecture*, "Magnetochemistry," by Professor S. Sugden; 21st October, *meeting* for reading papers; 18th November, *Lecture*, "Wave Mechanics and Colour of Organic Compounds," by Mr. E. J. Bowen.

Outside London.

Cambridge. 13th May, in the Lecture Room of the Chemical Laboratories, Pembroke Street, *official meeting* for reading papers.

Edinburgh. 18th February, at the North British Station Hotel (joint meeting with the Local Sections of the R.I.C. and S.C.I.), *lecture*, "The Chemistry of Hashish," by Professor A. R. Todd; 16th November, in the Lecture Theatre of the University, *lecture*, "The Strength of Carbon Bonds," by Professor M. Polanyi.

Glasgow. 19th February, at the Royal Technical College (joint meeting with the Local Sections of the R.I.C. and the S.C.I.), *lecture*, "The Chemistry of Hashish," by Professor A. R. Todd; 10th November, in the Chemistry Lecture Theatre (joint meeting with the Glasgow University Alchemists Club and the Andersonian Chemical Society), *lecture*, "Humour and Humanism in Chemistry," by Professor John

Read; 3rd December, at the Royal Technical College (joint meeting with the Local Sections of the R.I.C. and the S.C.I.), *lecture*, "Some Aspects of the Formation of Ring Compounds," by Professor G. M. Bennett.

Leeds. 9th March (joint meeting with the University of Leeds Chemical Society), exhibition of scientific films and apparatus, and *lecture*, "The Synthesis of High Polymers," by Professor H. W. Melville; 11th May, *lecture*, "Some Consequences of Hydrogen Bond Formation in Organic Compounds," by Dr. Wilson Baker; 12th October, *lecture*, "Autoxidation in Relation to Olefinic Structure," by Dr. E. H. Farmer. These meetings were held in the Chemistry Lecture Theatre of the University.

Liverpool. 19th March, at Adelphi Hotel (joint meeting with the Liverpool Section and Food Group of the S.C.I.), *lecture*, "Trends of Agriculture in Relation to Nutrition," by Sir John Russell; 9th April at Reece's Restaurant (joint meeting with the Local Sections of the R.I.C. and the S.C.I. and with the B.A.C.), *lecture*, "The Liquid State," by Dr. E. A. Moelwyn-Hughes; 6th May, in the Muspratt Laboratory (joint meeting with the Local Sections of the R.I.C. and the S.C.I. and with the B.A.C.), *a lecture demonstration* on "Certain Indicators for Volumetric Analysis," by Dr. A. D. Mitchell; 15th September at Reece's Restaurant (joint meeting with the R.I.C., the S.C.I. and the B.A.C.), *talk*, "Problems affecting the Unity of Chemists," by Dr. A. E. Dunstan.

Manchester. 9th January, *lecture*, "Some Applications of Infra-red Spectroscopy," by Dr. H. W. Thompson; 20th February, *lecture*, "The Mechanism of Polymerisation," by Professor H. W. Melville; 8th April, *meeting* for the reading of original papers; 14th May, *Liversidge Lecture*, "Magnetochemistry," by Professor S. Sugden; 25th November, *lecture*, "Modern Technique in Inorganic Chemistry," by Dr. H. J. Emeléus. (These meetings were held in the Chemistry Department of the University.) 15th December, at the College of Technology, exhibition of scientific cinema films. All meetings except that on 8th April were joint meetings with the Manchester Section of the R.I.C.

Newcastle and Durham. 11th November, in the Lecture Theatre of King Edward VII School of Art, King's College, Newcastle (joint meeting with the R.I.C., the S.C.I., Oil and Colour Chemists Association and the B.A.C.), *lecture*, "Plastics," by Mr. I. W. A. Kirkwood.

North Wales. 26th February, in the Chemistry Lecture Theatre of University College of North Wales, Bangor, *lecture*, "Some Aspects of the Chemical Constitution of Milk Fats," by Professor T. P. Hilditch (joint meeting with the University College of North Wales, Bangor, Chemical Society).

Nottingham. 23rd January, *lecture*, "Vitamin A," by Dr. R. A. Morton; 14th May, *lecture*, "Recent Progress in Quantitative X-ray Analysis," by Professor J. M. Robertson; 2nd December, *lecture*, "Some Properties and Reactions of Anhydrous Hydrofluoric Acid," by Dr. H. J. Emeléus. (These lectures were held at University College and the latter two were joint meetings with the University College Physical and Chemical Society.)

St. Andrews and Dundee. 15th April, in the Chemistry Department of University College, Dundee, *Tilden Lecture*, "Recent Developments in the Theory of Reaction Kinetics in Solution," by Mr. R. P. Bell.

Sheffield. 26th February, *Tilden Lecture*, "Aspects of Nucleotide Chemistry," by Professor J. M. Gulland; 14th May, *lecture*, "Modern Technique in Inorganic Chemistry," by Dr. H. J. Emeléus; 10th September, *lecture*, "Some Aspects of Molecular Rearrangement," by Dr. A. W. Chapman; 12th November, *lecture*, "Surface Films," by Professor N. K. Adam. All four lectures held in the Chemistry Lecture Theatre of the University and were joint meetings with the University Chemical Society.

South Wales. 13th February, at University College, Swansea (joint meeting with the University College Swansea Chemical Society), *lecture*, "The Reducibility of Oxides and Sulphides in the Extraction of Metals," by Dr. H. J. T. Ellingham.