

ANNUAL GENERAL MEETING.

HELD IN THE UNIVERSITY OF GLASGOW,

ON

FRIDAY, MARCH 18TH, 1932, AT 4 P.M.

THE President, Professor G. G. HENDERSON, M.A., D.Sc., F.R.S., was in the Chair.

The President referred to the illness of Prof. C. S. Gibson, stating that he had received a letter from him conveying good wishes for the success of the meeting. On behalf of those present, the President expressed great regret at Prof. Gibson's absence.

The Report of Council for 1931-1932, together with the Balance Sheets and Statements of Accounts for 1931, was presented by the President.

The Treasurer, in making his statement, pointed out that the chief item of increased expenditure in the Accounts for the past year was due to the increase in the number of pages in the Journal. Notwithstanding the various economies that had been effected in 1931, particularly in regard to the Abstracts, the deficit amounted to £1221 9s. 6d. He had taken steps to reduce the expenditure as far as possible, but in view of the economies already provided for, it would, in his opinion, be difficult to balance the budget without impairing the activities of the Society. He, therefore, urged Fellows to co-operate with the Council by doing their utmost to secure new Fellows, thus replenishing the yearly losses due to deaths and also to resignations which, as was the case with other Societies, had been unusually heavy in the year under review. The Treasurer made a special appeal to those Fellows whose annual subscriptions had fallen into arrear, to pay the arrears due even at the cost of personal sacrifice. In conclusion, he expressed the hope that at the next Annual General Meeting he would be in a position to report that the Society had overcome its financial difficulties.

REPORT OF COUNCIL, 1931-1932.

I. *Fellowship Statistics.*

THE number of Fellows at the 31st December, 1930, was 3840. In 1931, 165 new Fellows were elected and 7 reinstated (as against 160 and 5, respectively, in 1930) making a gross total of 4012. The Society lost 61 Fellows by death, 97 Fellows resigned, and the names of 79 were removed from the List of Fellows for non-payment of annual subscriptions (the corresponding figures for the previous year being 37, 108, and 105, respectively). The number

of Fellows at the 31st December, 1931, was therefore 3775, showing a decrease of 65, as against 85 the previous year. It will be seen that the diminution in the number of Fellows due to resignations and removals is 37 less than in 1930, and that the Society has lost 24 more Fellows by death.

As stated above, five more new Fellows were elected in 1931 than in 1930, but the number (165) is still 36 below the average of the previous five years, and the Council again appeals to Fellows to urge the claims of the Society on possible candidates for Fellowship.

During the year the Society lost two of its Honorary Fellows, Professor Otto Wallach (elected in October 1929 and died on March 1st), and Professor Frank Wigglesworth Clarke (elected in May 1904 and died on May 23rd).

Professor F. Haber, Professor M. Delépine, Professor J. Sakurai, and Professor F. Swarts were elected Honorary Fellows on May 7th, and the Council has to record, with deep regret, that Professor R. Nasini, who also had been nominated as an Honorary Fellow, died shortly before the election took place.

II. *Jubilee Fellows.*

The congratulations of the Society have been conveyed to the following, who have completed sixty years of Fellowship :

	Elected.
Edmund Neville Nevill	June 1st, 1871.
Mortyn John Salter	June 15th, 1871.
William John Wilson	December 7th, 1871.
John Millar Thomson	January 18th, 1872.
John Watts	February 1st, 1872.

and to the following who, during the year, have attained their jubilee as Fellows :

	Elected.
Oliver Trigger	June 16th, 1881.
George Tate	June 16th, 1881.
William Barry Harrington	December 15th, 1881.
John Bryson Orr	December 15th, 1881.
Sir David Orme Masson	January 19th, 1882.
Charles Henry Ridsdale	February 16th, 1882.
Leonard Temple Thorne	February 16th, 1882.
Sydney Young	February 16th, 1882.

III. *Journal.*

The *Journal* for 1931 contains 3386 pages, of which 3202 pages are occupied by 462 memoirs and 28 notes, the remaining 184 pages being devoted to Obituary Notices (73 pages), three Lectures

(48 pages), the Presidential Address (22 pages), Reports on Nomenclature and Atomic Weights (21 pages), and the account of the Annual General Meeting (20 pages). The number of memoirs and notes (490) published is a record, the previous highest number being 466 (438 memoirs and 28 notes) in 1928. The volume for 1930 contained 371 memoirs and 29 notes, occupying 2686 pages.

During 1931, 583 papers were offered to the Society for publication in the *Journal*, of which 21 were declined. In 1930, 410 were received and 14 declined.

The steady diminution in the average interval between the dates of receipt and publication of papers effected in the immediately preceding years was maintained in 1931, the interval being 9.5 weeks compared with 9.65 in 1930.

The Council decided that from January 1st, and until further notice, papers shall not be considered for publication in the *Journal* unless the author, or one of the authors, is a Fellow of the Society; also that, if an author desires to do so, he may submit with his paper, for consideration by the Publication Committee, a confidential report by a Chemist of standing, to whom the paper has been submitted. The "Notices to Authors" appearing in the *Journal* have been amended accordingly.

The Council records its thanks to those who have rendered valuable service to the Society by refereeing papers.

IV. Abstracts.

Abstracts. The appended table shows the number and average length of the Abstracts in Sections "A" and "B" published during 1931, the figures for 1930 being included for comparison.

	A.				B.			
	1930.		1931.		1930.		1931.	
	No. of Abs.	Pages.	No. of Abs.	Pages.	No. of Abs.	Pages.	No. of Abs.	Pages.
1st Qr.	2,766	386	2,898	402	2,582	288	2,757	296
2nd "	3,001	442	2,969	376	2,740	300	3,093	316
3rd "	2,901	396	3,044	324	2,873	318	2,959	272
4th "	2,875	404	3,470	364	2,479	264	2,900	272
Total	11,543	1,628	12,381	1,466	10,674	1,170	11,709	1,156
Aver. length per Abs.	0.28 Col.		0.24 Col.		0.22 Col.		0.20 Col.	

The 12,381 "A" Abstracts comprised 6026 in General, Physical, and Inorganic Chemistry, 275 in Geochemistry, 2726 in Organic Chemistry, and 3354 in Biochemistry. The corresponding figures for 1930 were 5789, 266, 2589, and 2899.

Of the 11,709 "B" Abstracts, 5086 were from Journal literature

and 6623 were abstracts of Patents (in 1930 : 4521 and 6153 respectively).

In the last Report of Council, attention was drawn to the increasing cost of the Abstracts, and it was stated that the question had been referred to the Bureau of Chemical Abstracts. As a result, it has been found possible to effect certain economies. A number of contractions of common names and the use of formulæ of simple compounds were introduced, as from the July issues of the Abstracts, and, in general, greater compression has been exercised. Although these economies affected only half the year's output, the average length of each abstract over the complete year was reduced from 0.28 column in 1930 to 0.24 column in 1931 for the "A" Abstracts, and from 0.22 to 0.20 column in the "B" Section.

During the year a tentative arrangement has been made with the American Chemical Society for collaboration in preparing abstracts. If this scheme should prove mutually satisfactory, it can readily be extended.

Index. The Joint Annual Index for the Abstracts for 1930 covered 705 pages, as compared with 642 pages for the 1929 Index. The cost of printing the Index was £1390 13s. and of the paper £331 19s. 7d. (corresponding figures for the 1929 Index were £1302 6s. 4d. and £315 5s. 4d.).

Careful consideration has been given to the question of possible economies in the Annual and Decennial Indexes, and appreciable savings are expected to result from various modifications which have been adopted. It has been decided, for example, that in the Name Index the entries under a given author shall run on in one paragraph and that in the Subject Index the names of authors shall be omitted.

Decennial Index. A room has been leased at Denman Street, Piccadilly, for work in compiling the Decennial Index, and the arrangement of the cards is actively in progress. The re-indexing of the 1923, 1924, and 1925 volumes of the "B" Abstracts has now been completed.

V. Library.

Excluding the evenings on which meetings of the Chemical Society were held, there were 8263 attendances during the past year, as compared with 8088 in 1930. Of the 8263, 5470 were made by Fellows of the Chemical Society, and 2793 were made by Members of Contributing Societies, as against 2709 in 1930.

The number of books borrowed during 1931 was 5660, compared with 5751 the previous year; of these, 1349 were issued by post, as against 1504 in the preceding year.

The additions to the Library comprise : 232 books, of which 86 were presented, 744 volumes of periodicals and 203 pamphlets, the

corresponding figures last year being 272, 731, and 224. The total number of volumes added during the year was 976, 27 less than in 1930. The Library now contains 35,732 volumes, consisting of 10,663 books and 25,069 bound volumes of periodicals.

The Council expresses its gratitude to Fellows and others who made gifts to the Library during the year. The gifts include additions to the Society's Collection of Medals, early chemical works, and new books presented by the authors or the publishers. The Council also expresses appreciation of the action of those Fellows who submitted lists of scarce books which they were prepared to present, but whose kind offers were not accepted because the volumes were already in the Library.

VI. *General.*

Lectures. In future, the Liversidge Lecture and the Pedler Lecture will be given in alternate years, instead of annually, as heretofore. The third Pedler Lecture will be delivered on Thursday, March 10th, 1932, by Professor L. Ruzicka, of Zurich, the subject of his lecture being the life and work of Professor O. Wallach.

Discussions. The Council decided that during the session 1931—1932 two Ordinary Scientific Meetings should be devoted to organised Discussions on particular subjects, and that reports of the Discussions should be published separately and sent free to Fellows receiving the publications, the project being financed by the Special Publications Fund. The first of these meetings was held on December 17th, when Mr. C. N. Hinshelwood opened a discussion on "The Critical Increment of Homogeneous Reactions." The report of this discussion was issued at the end of January.

It was also decided that, if possible, two further meetings should be set apart for the discussion of selected groups of original papers on related subjects, and the first of these was held on February 18th, when Dr. A. E. Bradfield opened an informal discussion on "The Significance of Velocity Measurements in Relation to the Benzene Substitution Problem," based on papers published in the *Journal* during 1930 and 1931.

The Council is greatly indebted to Mr. Hinshelwood and Dr. Bradfield for their help in arranging these discussions.

Perkin Memorial Volume. The Perkin Memorial Volume, written by Mr. A. J. Greenaway, Professor J. F. Thorpe, and Professor R. Robinson, with a preface by the President, was published at the end of January, and distributed to Fellows with the publications for that month. This volume is financed by the Special Publications Fund.

For this permanent and fitting memorial to the late Professor

W. H. Perkin, the Council desires to record its thanks to the Authors.

Representation at Celebrations, at Congresses, and on Committees : Professor H. E. Armstrong represented the Society at the Onzième Congrès de Chimie Industrielle held in Paris on September 27th and, with Professor T. M. Lowry, at the Inauguration Ceremony of a Memorial to Moissan at Meaux on August 4th; Professor F. G. Donnan and Dr. F. A. Freeth attended the Annual Meeting and Banquet of the Nederlandsche Chemische Vereeniging at Haarlem on July 20th; Professor C. H. Desch was present as the Society's delegate at the Third International Conference on Bituminous Coal at Pittsburgh from November 16th to 21st, and Professor W. A. Bone represented the Society at the Joint Meeting of the Institute of Fuel and other institutions on October 7th.

The Society continues to be represented on the Federal Council for Chemistry by Professor C. S. Gibson, Sir William J. Pope, and Professor J. F. Thorpe, and on the Bureau of Chemical Abstracts by Professor C. S. Gibson, Mr. A. J. Greenaway, Dr. J. T. Hewitt, Professor G. T. Morgan, and the Treasurer.

The present representatives of the Society on the British Editorial Board of the *Journal of Physical Chemistry* are Professor W. F. Garner, Professor J. Kendall, and Professor T. M. Lowry. The Council records its thanks to Professor A. J. Allmand and Professor F. G. Donnan, who retired from the Board at the end of 1931, after completing four years of service.

Bequest. The Council has received a legacy of £500 bequeathed by the late Professor Meldola, President from 1905 to 1907, and payable on the death of Mrs. Meldola, which took place on January 2nd. This sum will be invested and placed to the capital account of the General Purposes Account.

Gifts. The Council records its thanks to Professor Percy F. Frankland for a plaster replica of a medallion portrait of the late Sir Edward Frankland; to Professor E. Berl for a series of photographs (with negatives) of nine distinguished Chemists; and to Mr. A. R. Formoy and Mr. John I. Watts for presenting sets of the publications of the Society. It has also received from Mr. A. E. Hodgkin a number of scientific books and journals bequeathed to the Society by the late Mr. John Hodgkin. Included in these were certain publications which, being of more value to the Linnean Society and to the Pharmaceutical Society, were presented to those Societies, with the consent of Mr. Hodgkin.

Alterations in Bye-Laws. An Extraordinary General Meeting was held on October 15th to consider certain alterations in Bye-Laws I, IV, and VIII, proposed by the Council. These alterations,

which were unanimously adopted, give the Council discretionary powers (a) to remit payment of the annual subscription in the case of a Fellow of not less than 40 years' standing, who is unable to continue to pay the annual subscription (in such case, the Fellow will not receive the publications of the Society), and (b) to reinstate a former Fellow without requiring payment of the arrears of annual subscriptions due at the time he (or she) ceased to be a Fellow. Also, provision is made for retiring Vice-Presidents who have filled the office of President to be immediately eligible for re-election, if otherwise the number of Vice-Presidents in this category would be less than six. The text of the revised Bye-Laws was given in the Proceedings for October.

Treasurership. In June, the Council received with regret the resignation of Professor T. Slater Price from the office of Treasurer on his appointment to the Chair of Chemistry at the Heriot-Watt College, Edinburgh, and expressed its high appreciation of the valuable services he had rendered to the Society as Honorary Secretary and as Treasurer during a period of over seven years. The Council is gratified to report that Mr. Emile Mond accepted the office of Treasurer, and that Professor Slater Price was elected to the office of Vice-President thus rendered vacant. These appointments are tenable until the Annual General Meeting in March, 1932.

Chairmanship of Library Committee. On the expiry of Professor J. R. Partington's term of office as Chairman of the Library Committee in May, the Council expressed its thanks to him for the valuable services he had rendered to the Society during the seven years he had served in this capacity. Dr. T. A. Henry was appointed to succeed Prof Partington by the unanimous wish of the Council.

Publication of Physico-chemical Papers. At a conference of physical chemists, summoned last September by the Publication Committee to discuss the *Journal* of the Society as a medium for the publication of physico-chemical papers, one of the suggestions urged was that the possibility of co-operation with the Faraday Society should be explored. The Council accordingly appointed five of its members—Prof. W. E. Garner, Prof. C. S. Gibson, Mr. E. Mond, Prof. T. S. Moore, and Prof. J. C. Philip—to examine the question with representatives of the Faraday Society. In January this joint Committee presented an interim report to the two Councils concerned, suggesting a possible basis for co-operation in producing a common physico-chemical journal. The subject is still under investigation.

Annual General Meeting and Anniversary Dinner, March 18th, 1932. A local General Committee has been formed, of which

Dr. W. M. Cumming has kindly consented to act as Honorary Secretary, to make arrangements for the Annual General Meeting and Anniversary Dinner to be held in Glasgow on Friday, March 18th. The full programme of the meetings, which also includes a Civic Reception by the Lord Provost and Corporation of the City of Glasgow, and visits to Nobel's Explosives Works and to the Provan Chemical Works, is in the hands of Fellows.

A Central Building in London for Scientific and Technical Societies and Institutions. A report on the present position of the Central Building Scheme has been received from the Association of Scientific and Technical Institutions. It was stated that contributions received or promised amounted to approximately £42,000, but that since the sum available by June 24th, 1931, fell short of the £100,000 required by that date, the options on the lease in Victoria Street had lapsed. It was also reported that owing to financial and industrial conditions, it had been decided to postpone a public appeal until financial conditions had improved. The Council regrets that the hopes expressed in the last Report have not materialised, but believes that the realisation of the scheme, when circumstances are favourable, will be in the interests of the Society and of the science generally.

British Chemical Standards. As stated in the last Report, a committee had been appointed to consider the formation of a British Chemical Standardising Body. This Committee reported to the Council that it had approved a scheme for the incorporation of such a body with the British Engineering Standards Association, in a new organisation to be known as "The British Standards Institution." There will be a General Council of 41 members to deal with matters of broad policy and general interest, and four co-equal main Divisions, for Engineering, Chemistry, Building, and Textiles. Each Division will be autonomous, subject to the broad policy laid down by the General Council, and will be free to organise the work of its own particular field. Each Division will have its own Council, the Council of the Chemical Division consisting of 36 members.

The recommendations contained in the report were unanimously approved by the Council, and Professor W. A. Bone was appointed to represent the Society on the Council of the Chemical Division.

Annual Reports. The volume for 1931 contains in addition to the usual reports the biennial report on Crystallography, a special report on the Structure of Simple Molecules, and a second special report on Colloid Chemistry. The Council expresses its thanks to those who have contributed to this volume.

Research Fund. 96 Applications for research grants, amounting

to £1175 16s. 11d., were received during the year. The sum of £641 3s. was allotted to 89 applicants, prior consideration being given to applications from Fellows.

List of Fellows. The List of Fellows was last issued in October 1929. It has been the practice in recent years to publish this list in alternate years, and it is a matter for regret that for reasons of economy it was found impossible to print it in 1931.

The Chemical Society Club. In deference to a request from the Chemical Industry Club, the dining Club of the Society is now known as "The Chemical Society Club." The Club has continued to meet on the days on which the Council sits and on the occasions of Special Lectures. Conditions of membership can be obtained on application to the Honorary Secretaries.

VII. *Financial.*

General Purposes Account. In 1930, the deficit on General Purposes Account was £437 0s. 8d. In 1931, this was increased to £1221 9s. 6d., due to the income for 1931 showing a decrease of £375 5s., and the expenditure an increase of £409 3s. 10d., over that for 1930.

Staff Pensions Fund.

No addition to the capital (£907 14s.) of this fund has been made since 1929. To meet the cost of pensions paid during the year, it was necessary to transfer the sum of £78 0s. 8d. from General Purposes Account.

General.

The thanks of the Society have been conveyed to the Council of the Royal Society for a grant of £400 from the Government Publications Grant, and to Imperial Chemical Industries, Limited, for their contribution of £100 towards the cost of the Society's publications for 1931. It also desires again to express its thanks to those Fellows who continue to subscribe to the Publications Fund Account.

The Council desires to record its indebtedness to the Association of British Chemical Manufacturers for undertaking to contribute £100 a year for seven years (1931—1937) towards the upkeep of the Library, to the Society of Chemical Industry for its special donation of £50, and to the Faraday Society and the Institute of Brewing for increasing their respective contributions in 1931.

Although the Accounts show a deficit balance of £1221 9s. 6d., the Council does not view the financial position of the Society with undue alarm, the adverse balance being due chiefly to the increase in the publications of the Society. Steps have been taken which it is hoped, will balance the budget for 1932.

The adoption of the Report and Accounts was proposed by Professor T. S. PATTERSON, seconded by Professor JOHN READ, and carried.

A vote of thanks to the Auditors (Dr. P. Haas, Professor J. C. Drummond, and Dr. E. H. Farmer), proposed by the TREASURER, was seconded by Professor A. FINDLAY and carried.

On the motion of Professor F. J. WILSON, seconded by Professor R. M. CAVEN, Professor J. C. Drummond, Mr. Humphrey Paget, and Dr. H. J. S. Sand were elected Auditors for 1932.

A vote of thanks to the Treasurer, Secretaries, Foreign Secretary, and to members of Council and of Committees, for their services during the past year was proposed by Professor E. C. C. BALY, seconded by Dr. J. A. CRANSTON, and carried, acknowledgment being made by Professor J. C. PHILIP.

The report of the Scrutators on the ballot for the election of Ordinary Members of Council (Town and Country) was received, and it was announced that the following had been elected to fill the vacancies on the Council for the year 1932-1933 :

Vice-Presidents who have filled the office of President.—H. B. Baker and Sir William J. Pope.

Vice-Presidents who have not filled the office of President.—G. T. Morgan and T. Slater Price.

Treasurer.—Emile Mond.

Ordinary Members of Council (Town Members).—A. J. Allmand, F. P. Dunn, and E. H. Farmer.

Ordinary Members of Council (Country Members).—J. B. Firth, F. E. Francis, I. M. Heilbron, and H. S. Patterson.

Dr. S. MIALL proposed a vote of thanks to the Scrutators, Mr. W. M. Colles and Dr. Harold King. This was seconded by Professor R. M. CAVEN and carried.

The President then delivered his address, entitled "The Publication of Chemical Literature." At the conclusion of the Address, a vote of thanks to the President for his services during the year was moved by Principal SIR JAMES IRVINE and carried with acclamation, the President making brief acknowledgment.

A vote of thanks to the Court of the University of Glasgow for the use of the Fore Hall was proposed by Dr. R. H. PICKARD, seconded by Professor J. KENDALL and carried with acclamation.

On behalf of those present, the President expressed to Dr. W. M. Cumming the sincere thanks of all concerned for the admirable manner in which he had carried out the duties of Honorary Secretary of the local Committee.

INCOME AND EXPENDITURE GENERAL PURPOSES

1930		Income.	1931	
£	s. d.		£	s. d.
	45 0 0	To Life Composition Fees		139 10 0
		„ Annual Subscriptions:—		
959	1 10	Received in advance, on account of 1931	984	0 0
7957	0 2	„ during 1931 „ „	7670	0 0
523	0 0	„ „ „ „ 1930	459	10 0
9	0 0	„ „ „ „ 1929 and previous years	21	0 0
9448	2 0		9134	10 0
500	0 0	Less amount included in last year's Income, being valuation of Arrears as per last Balance Sheet	500	0 0
8948	2 0		8634	10 0
500	0 0	Add Arrears at date : £1110 8s. 0d.; Estimated to realise as per Balance Sheet	500	0 0
9448	2 0		9134	10 0
		„ Investments, Dividends on:—		
		£787 London, Midland and Scottish Railway 4 per cent. Debenture Stock	21	8 0
24	15 11	£1520 14s. 3d. Cardiff Corporation 3 per cent. Stock, 1914/54	35	7 2
35	18 7	£1400 India 2½ per cent. Stock	26	13 11
27	11 4	£2400 Bristol Corporation 2½ per cent. Debenture Stock	45	0 0
46	10 0	£2713 London, Midland and Scottish Railway 4 per cent. Preference Stock	84	2 0
85	9 1	£1200 Leeds Corporation 3 per cent. Stock	27	18 0
28	7 0	£1500 Transvaal 3 per cent. Guaranteed Stock, 1923/53	33	15 0
34	17 6	£1200 London and North Eastern Railway 3 per cent. Debenture Stock	27	18 0
28	7 0	£700 Canada 3½ per cent. Stock, 1930/50	18	19 8
19	5 10	£2100 5 per cent. Conversion Loan 1944/64	78	15 0
74	11 11	£1100 5 per cent. Conversion Loan 1944/64	41	5 0
39	1 5	£600 Funding Loan, 4 per cent., 1960/90	18	0 0
18	12 0	£11212 9s. 3½ per cent. Conversion Stock	304	2 8
309	0 10			
	772 8 5			766 4 5
	249 13 3	„ Income Tax recovered		221 13 6
	108 6 9	„ Interest on Deposit		77 12 0
	49 2 9	„ Miscellaneous Receipts		52 8 3
	437 0 8	„ Excess of Ordinary Expenditure over Ordinary Income carried to Balance Sheet		1221 9 6
	<u>£11,109 13 10</u>			<u>£11,613 7 8</u>

ACCOUNT FOR THE YEAR ENDED 31ST DECEMBER, 1931.

1930		<i>Expenditure.</i>	1931	
£	s. d.		£	s. d.
		By Administration Expenses :—		
1613	10 9	Salaries of Staff	1639	3 9
291	19 6	Wages (Commissionaire, Housekeeper, and Charwomen)	277	3 7
64	4 8	Coal and Lighting	61	12 7
130	10 1	House Expenses and Repairs	96	9 5
—		Furniture	22	10 4
26	9 5	Telephone	22	19 1
14	14 2	Insurances	13	14 6
31	10 0	Accountants' Charges	52	10 0
12	13 1	Commission on Recovery of Income Tax	11	10 10
372	19 9	Miscellaneous Printing and Stationery	273	5 10
160	1 11	Postages	176	4 10
221	10 8	Superannuation of Staff	229	13 2
10	8 6	Congratulatory Addresses	—	
7	12 0	Legal	15	15 0
35	19 1	Miscellaneous Expenses	41	12 11
	2994 3 7			2934 5 10
	140 19 10	„ Expenses of Meetings		120 12 4
	100 11 0	„ Advance Proofs and Reports of Meetings		92 1 4
		„ Donations :—		
50	0 0	Federal Council	50	0 0
		Do. (Donation to Faraday Centenary Celebrations)	—	
50	0 0	International Association for Testing Materials	5	0 0
5	0 0			
	105 0 0			55 0 0
5584	19 10	„ Contribution to Publications Fund	6088	5 10
45	0 0	„ Transfer to ditto (Life Composition Fees)	139	10 0
1806	7 2	„ Contribution to Library Fund	1855	11 8
82	12 5	„ Transfer to Staff Pensions Fund	78	0 8
		„ Transfer to Special Publications Fund (to form Sinking Fund for Collective Index, 1923-32)	250	0 0
	250 0 0			
<u>£11,109 13 10</u>			<u>£11,613 7 8</u>	

INCOME AND EXPENDITURE ACCOUNTS OF OTHER FUNDS FOR THE YEAR ENDED 31ST DECEMBER, 1931.

PUBLICATIONS FUND.

1930		1931		1930		1931	
£	s. d.	£	s. d.	£	s. d.	£	s. d.
2799	5 5	2791	9 11	1158	9 6	1159	19 2
2853	11 7	...	2219 15 0	51	10 5	...	...
39	14 5	...	31 9 6	422	2 3	...	...
802	5 10	...	752 18 4	2614	12 4	...	...
24	10 8	...	32 4 8	52	19 10	...	...
6019	7 9	...	5827 17 5	101	3 7	...	...
622	4 10	...	522 17 11	4 19	1	...	...
184	1 6	...	150 19 3	380	19 5	...	...
438	3 4	...	371 18 8	295	13 0	...	...
45	0 0	...	139 10 0	6 10	0	...	...
40	9 6	...	36 8 6	86	12 6	...	...
100	0 0	...	100 0 0	20	8 3	...	...
380	0 0	...	400 0 0	5195	0 3	...	...
169	5 9	...	166 12 0	1202	14 6	...	...
109	7 6	...	115 9 6	41	19 7	...	...
81	14 0	...	49 0 5	92	5 1*	...	...
10	1 6	...	—	1574	14 3	...	...
12	7 7	...	15 8 10	259	17 3	...	...
382	16 4	...	4 0	379	16 9	...	...
68	10 9	...	102 13 0	602	8 8	...	...
5584	19 10	...	6088 5 10	75	10 8	...	...
£13,029	7 6	...	£13,413 8 2	448	4 8	...	...
		...		20	18 10	...	...
		...		70	6 0	...	...
		...		7172	5 1	...	...
		...		595	1 8	...	...
		...		22	0 7	...	...
		...		45	0 0	...	...
		...		£13,029	7 6	...	...
		...		£13,413	8 2	...	...

Expenditure.

1930		1931	
£	s. d.	£	s. d.
By Expenses on account of Journal:—		By Expenses on account of Abstracts:—	
Editorial Salaries	1159 19 2	Editorial Salaries	1241 5 5
Editorial Postages	50 1 1	Editorial Salaries (Arrears)	46 17 6
Paper	495 17 7	Editorial Postages	56 15 1
Printing of Journal	8055 4 4	Abstractors' Fees	1385 7 2
Bandings	67 0 8	Do.	2323 19 5
Printing of Advertisements	68 16 2	Printing of Abstracts	345 15 1
Addressograph Labels	4 9 10	Printing of Index	687 17 10
Distribution of Journal	428 2 1	Index Paper	188 11 0
Authors' Copies	327 15 0	Bandings	84 13 6
Insurances	6 10 0	Addressograph Labels	4 9 11
Superannuation of Staff	86 12 6	Distribution of Abstracts	404 15 0
Miscellaneous	13 8 1	Insurances	6 1 0
	5752 16 6	Superannuation of Staff	20 18 10
		Miscellaneous	74 19 6
		Annual Reports on the Progress	6802 6 2
		of Chemistry—Printing	674 0 6
		Advertising	41 5 0
		Purchase of Back Numbers of	715 5 6
		Publications	3 10 0
		Carried to balance sheet of	...
		Publications Fund, viz.:	...
		Life Composition Fees	139 10 0
			£13,413 8 2

* Paid in 1930 on account of 1929.

RESEARCH FUND.

1930		Income.		1931		1930		Expenditure.		1931	
£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
To Dividends on:—											
31	10	0	£1000 London and North Eastern Railway 4 per cent. 2nd Guaranteed Stock			680	0	0	By Grants		
20	7	2	£1054 Great Western Railway 2½ per cent. Debenture Stock			4	10	6	" Commission on Recovery of Income Tax		
27	0	1	£1142 16s. New South Wales 3 per cent. Stock			2	0	0	" Longstaff Medal		
26	10	3	£1122 Metropolitan Water Board 3 per cent. " B" Stock			20	0	0	" Honorarium Longstaff Medallist		
46	14	2	£1468 London, Midland and Scottish Railway 4 per cent. Debenture Stock			21	0	0	" Do. Hugo Müller Lecturer		
19	0	10	£806 Victoria 3 per cent. Stock, 1929/49			7	2	0	" Miscellaneous Expenses		
159	15	10	£4498 11s. 0d. 5% Conversion Loan, 1944/64			" Balance, being Excess of Income over Expenditure, carried to Balance Sheet...					
142	7	0	£5164 13s. 9d. 3½% Conversion Stock			—					
Income Tax recovered						477	4	0	" carried to Balance Sheet		
80	10	5	" Repayment of Grants			135	18	7	" Balance Sheet		
83	6	6	" Interest on Deposit			78	0	9	" Harrison Prize		
1	14	1	" Sale of Apparatus			4	16	10	" Harrison Plaque		
" Balance, being Excess of Expenditure over Income, carried to Balance Sheet						1	12	11	" Balance being excess of Income over Expenditure carried to Balance Sheet		
85	16	2				" Balance Sheet					
						£697	13	1	£697		
						£734	12	6	£697		

THE EDWARD FRANK HARRISON MEMORIAL TRUST FUND.

1930		Income.		1931		1930		Expenditure.		1931	
£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
To Dividends on:—											
2	3	2	£61 16s. 8d. Conversion Stock, 3½% £1255 London, Midland and Scottish Railway 4% Debenture Stock			180	0	0	By Harrison Prize		
39	10	8	Income Tax recovered, Net			6	15	0	" Harrison Plaque		
41	13	10	Interest on Deposit			—	" Balance being excess of Income over Expenditure carried to Balance Sheet				
1	1	8	" Balance, being Excess of Expenditure over Income, carried to Balance Sheet			41	1	3	" Balance Sheet		
102	8	11				54	1	6	" Balance Sheet		
						£156	15	0	£54		
						£54	1	6	£54		

INCOME AND EXPENDITURE ACCOUNTS OF OTHER FUNDS FOR THE YEAR ENDED 31ST DECEMBER, 1931.

LIBRARY.		1930		1931		1930		1931		
£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	
100	0 0	To Subscription: Association of British Chemical Manufacturers	100	0 0	100	0 0	644	12 2	1283	10 6
10	10 0	Donations:— Biochemical Society	10	10 0	10	10 0	111	10 6*	159	3 8
5	5 0	Faraday Society	5	5 0	5	5 0			533	1 8
45	0 0	Institute of Brewing	45	0 0	50	0 0			171	4 2
250	0 0	Institute of Chemistry	250	0 0	250	0 0			118	11 1
100	0 0	Society of Chemical Industry	100	0 0	100	0 0			82	15 11
10	10 0	Ditto (Special Donation)	50	0 0	50	0 0			15	4 2
10	10 0	Society of Dyers and Colourists	10	10 0	10	10 0				
21	0 0	Society of Public Analysts	21	0 0	602	10 0				
542	5 0	Miscellaneous receipts	10	7 10	1855	11 8				
15	5 0	Contribution from General Purposes	1855	11 8	£2468	9 6				
1806	7 2	Account	£2468	9 6						
£2363	17 2									

* Paid in advance in 1929 † Other than those received in exchange.

STAFF PENSIONS FUND.

82	12 5	To Transfer from General Purposes	120	0 0	By Pension paid during 1931	120	0 0
1	18 10	Account	78	0 8			
		Interest on Deposit		5 9			
13	4 2	Dividends on:— £371 17s. 1d. 8% Conversion Loan, 1944/64	13	18 10			
18	10 8	£683 6s. 1d. Conversion Stock, 3½%	18	10 8			
32	0 10	Income Tax recovered	32	9 6			
3	7 11		9	4 1			
£120	0 0		£120	0 0			

SPECIAL LECTURES FUND.

35	16 4	To Dividend on £1299 9s. 4d. Conversion Stock, 3½%	35	5 0	By Honorarium, Fadder Lecturer	16	15 0
8	12 9	Income Tax recovered (Net)	9	14 3	Honorarium, Liversidge Lecturer	4	4 0
		Interest on Deposit	13	6	Hire of Hall		
			28	14 1	Excess of Income over Expenditure carried to Balance Sheet	25	13 9
£44	9 1		£45	12 9		£45	12 9

SPECIAL PUBLICATIONS FUND.

		1930		1931		1932	
		£	s.	d.	£	s.	d.
<i>Income.</i>							
To Sales of Publications:—							
Abstracts "A" printed on one side							
£	s.	d.	£	s.	d.	£	s.
56	3	0	52	18	0	5	5
15	6	6	13	19	0	—	—
13	13	3	8	13	9	54	13
12	4	7	14	1	1	16	8
14	10	2	11	18	6	120	13
			101	10	4		
			57	7	8		
			5	18	6		
			16	13	0		
			—	—	—		
			£181	9	6	£181	9
			£187	4	5	£187	4

THE CHEMICAL SOCIETY.—BALANCE SHEETS, 31st December, 1931.

PUBLICATIONS FUND.

		1930		1931		1932	
		£	s.	d.	£	s.	d.
<i>Income.</i>							
To Excess of Assets over							
Liabilities as per last							
Balance Sheet... ..							
£	s.	d.	£	s.	d.	£	s.
10,859	3	8	10,884	3	8	4663	10
			Add Amount trans-			3100	0
			ferred from Income			2060	0
			and Expenditure Ac-			290	12
			count for Investment			403	0
45	0	0	139	10	0	305	6
			11,023	13	8	10,822	9
						61	14
			£10,884	3	8	£10,884	3
			£11,023	13	8	£11,023	13
<i>Liabilities.</i>							
By Investments (value or cost when							
acquired):—							
£9141 18s. 6d. 3/4% Conversion Stock							
£	s.	d.	£	s.	d.	£	s.
4663	10	0	4663	10	0	4663	10
			£3079 3s. 9d. 5/8% Conversion Loan,			3100	0
			1944/64			2060	0
			£317 P. & O. Steam Navigation Co.			290	12
			Deferred Stock			403	0
			186 Ordinary Shares (£1) Langla			457	12
			(Sylhet) Tea Co. Ltd.				
			124 Ordinary Shares (£1) Nedeem				
			Tea Co. Ltd.				
			£603 London, Midland and Scottish				
			Railway 4% Guaranteed Stock ...				
			(Market Value £8,815 19s. 1d.)				
			Cash at Bank				
			10,974	15	1	10,974	15
			48	18	7	48	18
			£11,023	13	8	£11,023	13
			£11,023	13	8	£11,023	13

THE CHEMICAL SOCIETY.—BALANCE SHEETS, 31ST DECEMBER, 1931.

GENERAL PURPOSES.			1931				1930				<i>Assets.</i>						
			£	s.	d.	£	s.	d.	£	s.					d.	£	s.	d.
Liabilities.	To Subs. received in advance:—	At £3	387	0	0	1,026	0	0	839	3	7	839	3	7	By Investments (cost when acquired):— £787 London, Midland and Scottish Railway 4% Debenture Stock ... £1520 Ldr. 3d. Cardiff Corp. 3% Stock, 1914/54 ... £1400 India 2½ per cent. Stock ... £2400 Bristol Corp. 3½ Debenture Stock Bristol Dock Account ... £2713 London, Midland and Scottish Railway 4 per cent. Preference Stock ... £1200 Leeds Corporation 3% Stock ... £1800 Transvaal 3 per cent. Guaranteed Stock, 1923-53 ... £1200 London and North Eastern Railway 3 per cent. Debenture Stock ... £700 Canada 3½% Stock, 1930/50 ... £2100 5% Conversion Loan, 1944/84 ... £1100 5% ditto ditto ... £600 4 per cent. Funding Loan, 1960/90 ... £11,212 9s. 3½ per cent. Conversion Stock ... (Market Value £19,910 4s. 8d.)		
		Sundry Creditors (Printing and other Expenses)	2,609	8	5	2,747	3	3	1316	1	0	1316	1	0			
	Excess of Assets over Liabilities as per last Balance Sheet	6,878	16	3	25,411	15		2070	2	0	2070	2	0				
	Less Excess of Expenditure over Income	437	0	8	1,221	9	6	3572	0	4	1143	1	0	3572		0	4
					24,220	6	1	1460	13	6				1460		13	6
		25,441	15	7				1033	11	0				1033		11	0
								704	8	6				704		8	6
								1995	0	0				1995		0	0
								1045	0	2				1045		0	2
								480	0	0				480		0	0
							8487	2	2				8487	2	2		
							25,796	3	3				25,796	3	3		
							287	10	4				272	5	4		
							500	0	0				500	0	0		
							29	0	8				10	11	8		
							1,425	9	9				914	9	1		
							1,000	0	0				500	0	0		
							£29,038	4	0				£27,993	9	4		
							£29,038	4	0				£27,993	9	4		

RESEARCH FUND.

1930		1931		1930		1931	
£	s. d.	£	s. d.	£	s. d.	£	s. d.
14,529	15 4			1010	0 0	1010	0 0
85	16 2	14,443	19 2	1049	15 11	1049	15 11
				1000	0 0	1000	0 0
		14,443	19 2	1002	16 9	1002	16 9
				1508	3 6	1608	3 6
		41	16 2	706	6 2	706	6 2
				4267	4 10	4267	4 10
				3898	14 10	3898	14 10
				14,443	2 0	14,443	2 0
				17	2	42	13 4
				£14,443	15 4	£14,485	15 4

Assets.

By Investments (cost when acquired):—
 £1000 London and North Eastern
 Railway 4 per cent. 2nd Guaranteed
 Stock 1010 0 0
 £1034 Gt. West. Ry. 3½% Debentures
 £1142 16s. New South Wales 3 per
 cent. Stock, 1935 1000 0 0
 £1122 Metropolitan Water Board 3
 per cent. "B" Stock 1002 16 9
 £1483 London, Midland and Scottish
 Railway 4% Debenture Stock ... 1608 3 6
 £906 Victoria 3% Stock, 1929/49 ... 706 6 2
 £4498 11s. 8½% Conversion Loan, 1944/64
 £5164 13s. 9½ 3½% Conversion Stock
 (Market Value £12,319 6s. 3d.) 3898 14 10
 14,443 2 0

£17 2 ,, Cash at Bank, Current Account ... 42 13 4
 £14,485 15 4

THE EDWARD FRANK HARRISON MEMORIAL TRUST FUND.

1267	18 1	80	1 5	561	18s. 8d. 3½% Conversion Stock ... 50 1 5
				£1255	London, Midland & Scottish Rail- way 4% Debenture Stock, 1051 6 6
					(Market Value £930 6s. 10d.) 1101 7 11
1267	18 1	1219	10 8	1101	7 11
102	8 11	14	1 3	14	1 3
		50	0 0	50	0 0
				1165	9 2
				£1219	10 8
				£1165	9 2

By Investments (cost when acquired):—
 £61 18s. 8d. 3½% Conversion Stock ... 50 1 5
 £1255 London, Midland & Scottish Rail-
 way 4% Debenture Stock, 1051 6 6
 (Market Value £930 6s. 10d.) 1101 7 11

Cash at Bank Current Account 18 2 9
 Do. Deposit Account 100 0 0

STAFF PENSIONS FUND.

907	14 0	907	14 0	527	13 9	527	13 9
				376	0 0	571	17s. 1d. 5% Conversion Loan 1944/64 376 0 0
				5	0 3	(Market Value £573 18s. 8d.)	
				£907	14 0	Cash at Bank Current Account 902 13 9	
				£907	14 0	5 0 3	
				£907	14 0	£907	14 0

By Investments (cost when acquired):—
 £583 6s. 1d. 3½% Conversion Stock ... 527 13 9
 £571 17s. 1d. 5% Conversion Loan 1944/64 376 0 0
 (Market Value £573 18s. 8d.)

Cash at Bank Current Account 902 13 9
 Do. Deposit Account 5 0 3

£907 14 0

THE CHEMICAL SOCIETY.—BALANCE SHEETS, 31ST DECEMBER, 1931.

SPECIAL LECTURES FUND.

Liabilities.		1931		1930		Assets	
£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
1005 7 2	To Excess of Assets over Liabilities as per last Balance Sheet ...	1034 1 3	1000 0 0	1000 0 0	1000 0 0	1000 0 0	1000 0 0
28 14 1	Add Excess of Income over Expenditure for the year ...	25 13 9	34 1 3	34 1 3	9 15 0	50 0 0	9 15 0
1034 1 3		1059 15 0			50 0 0		59 15 0
<u>£1034 1 3</u>		<u>£1059 15 0</u>		<u>£1034 1 3</u>			<u>£1059 15 0</u>

SPECIAL PUBLICATIONS FUND.

34 0 0	To Amount prepaid for 1932 ...	27 0 0	By Investment (cost when acquired) ...	1600 0 0	1600 0 0
11 2 4	" Sundry Creditors ...	10 5 0	£2116 8s. 10d. 3½% Conversion Stock ...	1 14 0	1 14 0
502 13 2	Index (1923-32) as per last Balance Sheet ...	767 1 5	(Market Value £1,560 2s. 3d.)	100 10 2	100 10 2
250 0 0	Add Transfer from General Purposes ...	250 0 0	" Sundry Debtors ...	1089 1 4	1089 1 4
14 8 3	Interest ...	21 19 11	" Cash at Bank		
767 1 5		1039 1 4	Deposit Ac.		
	Less Paid on Account to Bureau of Chemical Abstracts ...	250 0 0			
1723 5 11	Excess of Assets over Liabilities as per last Balance Sheet ...	1844 5 3			
120 19 4	Add Excess of Income over Expenditure for the year	120 13 11			
1844 5 3		1964 19 2			
<u>£2646 9 0</u>		<u>£2791 5 6</u>			

I 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. I have also verified the Balances at the Bankers and the Investments.

25, QUEEN VICTORIA STREET, E.C. 4.
February 15th, 1932.

W. B. KEEN,
Chartered Accountant.

Approved { PAUL HAAS,
J. C. DRUMMOND,
E. H. FARMER.