

ONE HUNDRED AND TWELFTH
ANNUAL GENERAL MEETING,
THE REPORT OF COUNCIL,
AND ACCOUNTS FOR THE
YEAR ENDED DECEMBER 31st,
1952

ONE HUNDRED AND TWELFTH ANNUAL GENERAL MEETING.

THE One Hundred and Twelfth Annual General Meeting of the Chemical Society was held in Burlington House at 10.30 a.m. on Friday, March 27th, 1953. The President, Professor C. K. Ingold, was in the Chair.

Professor E. D. Hughes, Honorary Secretary, read the notice convening the meeting.

The President then called upon Professor H. Burton, Senior Honorary Secretary, to present the Report of Council for 1952. Professor Burton stated that the year had seen a further increase in the Fellowship of the Society, which now numbered over 9,000. He referred to the honours which had been awarded to Fellows of the Society during the year, and mentioned particularly the award to the President of a Royal Medal announced by the Royal Society.

The *Journal* had continued to increase in size, but the number of papers received had declined during the past few months, and this indicated that possibly the period of expansion had come to an end. The Council was much indebted to the many fellows who had acted as referees of papers. In conclusion, Professor Burton expressed the Council's appreciation of the work undertaken on behalf of the Society by its Local Representatives and paid a tribute to the Society's permanent staff.

In presenting the Accounts for 1952, the Treasurer drew attention to the uncertainty regarding the future of *Abstracts* and to the contingent liability which appeared as a footnote to the balance sheet. He gave an account of the negotiations which had taken place in an attempt to secure financial assistance to enable publication of *British Abstracts* to continue in 1953. If support was forthcoming it was hoped that more permanent arrangements could be made for subsequent years. The Government had already made an interim payment of £5,000 to enable the abstracting organisation to be kept in being and had agreed to make a further substantial payment on the understanding that the balance of the total amount required would be forthcoming from Industry. The appeal to Industry had recently been issued, but it was too early to gauge the result.

In reply to a Fellow who mentioned the crowded accommodation at certain of the Society's meetings, it was stated that attendances were very difficult to estimate in advance. Meetings held in the Society's own rooms had often been overcrowded, but there had also been occasions when the attendance at meetings in other lecture theatres had been disappointingly small.

After discussion the Report of Council and the Accounts for 1952 were unanimously adopted on the proposal of Professor D. H. Hey, seconded by Dr. T. S. Stevens.

The President announced that the following Fellows had been elected to fill vacancies on the Council :

Vice-President :

Professor R. D. Haworth.

Elected Ordinary Members of Council :

Constituency I :

Professor F. Bergel.
Professor M. J. S. Dewar.
Dr. A. I. Vogel.

Constituency IV :

Dr. I. J. Faulkner.
Professor Brynmor Jones.

On the motion of the Treasurer, seconded by Dr. L. E. Sutton, Messrs. W. B. Keen and Company, Finsbury Circus House, Blomfield Street, London, E.C.2, were re-appointed as the Society's Auditors for 1953.

In conclusion, a vote of thanks to the President, Officers, and Council for their services during the past year was proposed by Professor Brynmor Jones and carried with acclamation.

1960 *One Hundred and Twelfth Annual General Meeting.*

After an interval the meeting was resumed at 11.30 a.m. The President referred to the award to Dr. F. Sanger of the Corday-Morgan Medal and Prize for 1951 in recognition of his contributions to experimental chemistry published in two papers on "The Amino-acid Sequence in the Phenylalanyl Chain of Insulin." Dr. Sanger was prevented through illness from attending in person to receive the award.

The President then delivered his Presidential Address, "Old and New Ideas on Saturated Re-arrangements." At the conclusion of the Address a vote of thanks to the President, proposed by Sir John Simonsen, was carried with enthusiasm.

REPORT OF COUNCIL FOR 1952.

I. ROYAL PATRONAGE.

Through the sudden death of His Majesty King George VI, the Society mourned the loss of its Patron. An address of condolence, and of loyalty on her accession, was conveyed to Her Majesty Queen Elizabeth II. A respectful message of sympathy was also sent by the Council to H.M. Queen Elizabeth, the Queen Mother.

The Council was pleased to announce, in June 1952, that Queen Elizabeth II had continued the tradition established by her father and had graciously extended her Patronage to the Society.

II. FELLOWSHIP.

1. *General.* The Council is pleased to report that, in 1952, the number of Fellows increased from 8616 on January 1st to 9063, the highest figure in the history of the Society, on December 31st. The net increase during the year was the largest since 1947, and was achieved in spite of the increase in the numbers lost to the Fellowship through death, resignation, or removal. Some comparative figures are given in the following table :

TABLE 1.				
	1949	1950	1951	1952
Number of Fellows on January 1st	7873	8195	8353	8616
<i>Additions :</i>				
Elections	675	749	700	947
Reinstatements	26	29	25	34
Miscellaneous	—	1	—	1
	— 701	— 779	— 725	— 982
<i>Deductions :</i>				
Deaths	60	66	62	65
Resignations.....	210	267	273	341
Removals	109	181	127	128
Miscellaneous	—	107	—	1
	— 379	— 621	— 462	— 535
Net increase in year	322	158	263	447

As in recent years, a high proportion of the new Fellows came from overseas, especially from the United States of America. The number of Fellows participating in the Joint Subscription Scheme sponsored by the Chemical Council was 4837, an increase of 67 during the year.

2. *Honours.* The congratulations of the Society were conveyed to the following Fellows who received Honours during the year :

Knight Bachelor

Rudolph Albert Peters
Thomas Weston Johns Taylor

C.B.E.

Thomas Percy Hilditch
Frederick Measham Lea
Thomas James Drakeley
Donald Thomas Alfred Townend

The Council has also congratulated the following to whom the award of Medals was announced by the Royal Society :

Royal Medal

Professor C. K. Ingold, *President*

Davy Medal

Professor A. Robertson

3. *Deaths.* The Council deeply regrets to record the death during the year of a distinguished Past-President of the Society, Professor N. V. Sidgwick (*President* 1935—37; *Vice-President* 1925—28, 1934—35, 1937—52; *Council* 1921—24, 1928—31). The Council has also announced with regret the death of Professor Arthur Becket Lamb (Harvard), who was elected an Honorary Fellow of the Society in 1951.

III. PUBLICATIONS.

1. *Journal.* During 1952, 1046 scientific communications were received and 1000 were published. In comparison with 1951 (910 received, 788 published), these figures represent increases of 15% and 27% respectively. During 1952, 38 communications were declined, and 21 were withdrawn. Table 2 shows some comparative figures :

TABLE 2.

	1938	1948	1949	1950	1951	1952
Papers and Notes received.....	507	548	739	874	910	1046
Less rejected or withdrawn	11	17	19	68	71	59
	496	531	720	806	839	987
Papers and Notes published	404	511	870	799	778	1000
No. of pages (Papers and Notes) ...	1917 *	2203	3762	3576	3368	4901 *
No. of pages (total, excluding Index Volume)	2120 *	2330	3858	3697	3514	5056 *
Average no. of pages per communication	4.75 *	4.35	4.32	4.44	4.33	4.90 *

* Pre-war sizes of type.

The *Journal* for 1952 contained 1030 items, made up as shown in Table 3, where some comparative figures are also given. Table 4 shows that the distribution of papers between the three classes varies only slightly, but that the proportion of notes has risen steadily although it still remains fairly low.

TABLE 3.

Numbers of items in the Journal.

	1938	1948	1949	1950	1951	1952
Papers (General, Physical, and Inorganic)	102	124	147	147	131	194
„ (Physical Organic)	—	16 *	125	110	100	134
„ (Organic)	275	326	530	469	462	556
Notes	27	45	68	73	85	116
Lectures and Addresses	9	5	6	6	3	6
Obituary Notices	37	17	11	16	9	21
Annual General Meeting.....	1	2	1	1	1	2
Editorial Nomenclature Report	—	—	—	1	1	1
Report by Symbols Committee of the Royal Society	—	—	—	—	1	—
I.U.P.A.C. List of Atomic Weights	1	—	—	—	1	—
„ Report of Commission of Nomenclature of Inorganic Chemistry	—	—	—	—	1	—
	452	535	888	823	795	1030

* Class first introduced in the *Journal* for December 1948.

TABLE 4.

Percentage Distribution in the Journal.

	1938	1948	1949	1950	1951	1952
Papers (General, Physical, and Inorganic)	25.2	20.3	16.9	18.4	16.8	19.4
„ (Physical Organic)	—	3.1	14.4	13.8	12.8	13.4
„ (Organic)	74.8	63.8	60.9	58.7	59.4	55.6
Notes	6.7	8.8	7.8	9.1	10.9	11.6

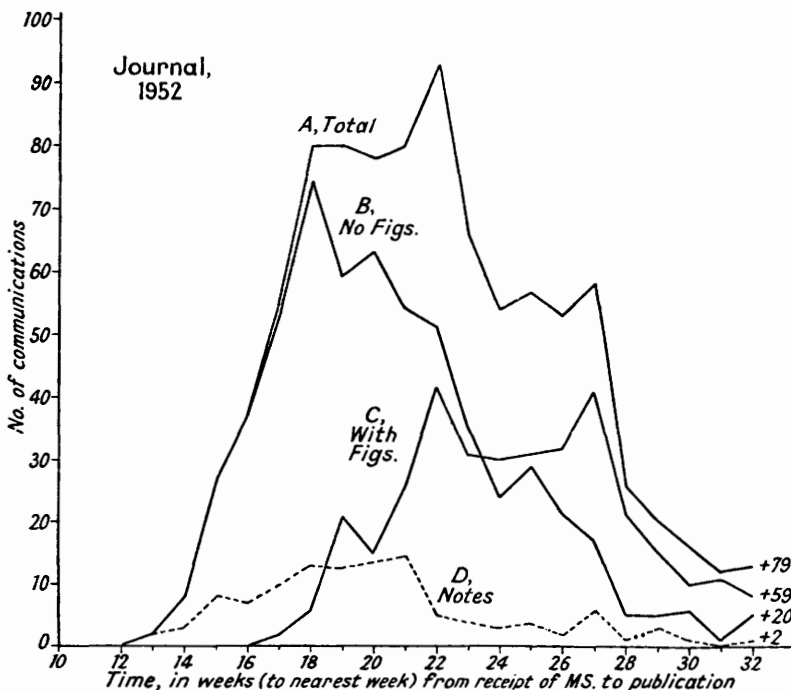
Contributions from industrial laboratories, published during 1952, totalled 90, including 5 jointly with academic institutions and 1 jointly with an industrial research organisation; during 1951 also this total was 90; expressed as a percentage of all contributions these figures are: 1952, 9.0%; 1951, 11.5%. However, contributions from Government and industrial research organisations increased both in number and proportion: 1951, 61 (7.8%); 1952, 107 (10.7%), including 14 jointly with academic institutions and 1 jointly with an industrial laboratory. The proportion from non-academic institutions remained in total about the same: 1951, 19.2%; 1952, 19.7%.

Communications from overseas, published during 1952, numbered 157, 15.7% (1951, 15.6%), including 12 jointly with British laboratories (given in parentheses in Table 5 below):

TABLE 5.

	1948	1949	1950	1951	1952
Australia	13	47	51	38(1)	62(1)
British Colonies and Protectorates	—	—	—	4(1)	6(3)
Canada	2	5	—	1	2(1)
Egypt	15	25	13	22	12
France	2	6	3	10	10
Hungary	6	2	1	1	3
India	3	3	1	3	3(1)
Irish Republic	—	6	8	5	4
Israel	2	4	6	7	10(2)
New Zealand	14	15	22	5	18
South Africa	1	10	14	10	14(1)
U.S.A.	2	10	12	13(7)	8(3)
Miscellaneous	7	8	5	2(1)	5
	67	141	136	121(10)	157(12)

The number of communications received during 1952, less the number rejected or withdrawn, was 987 (see Table 2); the number published during the year was 1000. The Figure shows the times, to the nearest week, between receipt of communications and their publication (taken as the first day of each month). Comparison of curve B for com-



munications without illustrations with curve *C* for those containing illustrations shows the extra four weeks required for touching up of diagrams and preparation of blocks. As a result, curve *A*, for all communications, shows a double peak. Curve *D*, for notes (these figures are included also in those shown in the other curves), shows that notes are not, in general, published faster than papers. The time taken for revision of manuscripts as a result of referees' comments discloses itself in the tailing off of the curves; but a small amount of time for discussion with referees is included in the maxima. A slight seasonal variation can be discerned in monthly figures; owing to the effect of the summer holidays on referees, printers, and authors (who take longer to return proofs and reply to referees), publication is slightly faster in the winter than in the summer. However, it is reasonable to consider that the "normal" time required for publication corresponds to the top minimum in curve *A*, *i.e.*, 20—21 weeks ($4\frac{3}{4}$ months) which is $\frac{1}{2}$ —1 week less than in 1951, in spite of the notably greater number of publications.

2. *Annual Reports on the Progress of Chemistry for 1951 (Volume XLVIII)*. These were issued at the end of July 1952 and contained 428 pages (490 in the previous year).

3. *Quarterly Reviews*. Volume VI (1952) contained fifteen articles, occupying 398 pages ((Volume V, eighteen articles, 423 pages).

4. *Nomenclature*. An Editorial Report on Nomenclature is being published with the index to the *Journal* for 1952. This will contain the I.U.P.A.C. rules on Organic Nomenclature (with comments by the Editor) and recent British-American agreements on the nomenclature of carbohydrates and organophosphorus (and allied) compounds. Many important changes are involved. They have been approved for use in the Society's publications and will be adopted for all MSS. submitted henceforth. Reprints will be available from the General Secretary, price 1s. each, post free. Reprints of the Reports for 1950 and 1951 are also available, price 1s. each, post free.

5. *Brochure: Presentation of Papers for the Journal of the Chemical Society*. A brochure with this title, giving instructions and advice to authors, has been issued. Each Fellow may obtain one copy gratis on application to the General Secretary, and further copies at the public price, which is 1s. 6d. per copy post free or 12s. 6d. per 10 copies post free.

6. *List of Fellows*. A new edition of the list of Fellows has been prepared, and will be made available to Fellows in 1953, price 2s. 6d. per copy.

IV. MEETINGS.

1. *Scientific Meetings*. Details of all meetings, including those held in London and those arranged at various centres by the Local Representatives of the Society, are given in Appendix A. The meetings in London included a Reception and Conversazione held on May 8th, 1952, at the Senate House of the University.

2. *Anniversary Meetings*. The Anniversary Meetings were held in Dublin on April 15th—18th in conjunction with the Anniversary Meetings of the Royal Institute of Chemistry. With the exception of the two Annual General Meetings, all the events were open to members of either body. A full programme was published in the *Proceedings* for March, 1952.

3. *Centenary Lecture*. In February Professor T. Reichstein, *Honorary Fellow* (Basle), delivered his Centenary Lecture, "The Chemistry of the Cardiac Glycosides," in London and in Manchester.

V. LIBRARY.

The Annual Report of the Joint Library Committee is reproduced as Appendix B to this Report.

VI. OTHER ACTIVITIES.

1. "*Acta Metallurgica*." The Council has agreed to become a co-operating Society in the publication of *Acta Metallurgica*, a new international journal of the science of metals. Fellows will be able to subscribe at privileged rates.

2. *Grants for Research.* The Council has authorised grants to 37 applicants amounting to £643 5s. 0d. to be made from the Research Fund.

3. *Corday-Morgan Medal and Prize.* The Corday-Morgan Medal and Prize for 1950 was awarded to Dr. R. S. Nyholm.

VII. ADMINISTRATION.

1. *Council.* At the Annual General Meeting on April 16th, the following were declared elected :

President	Professor C. K. Ingold.
Vice-Presidents who have not filled the Office of President	Professor E. L. Hirst, Sir John Simonsen.
Elected Ordinary Members of Council.....	Dr. D. H. R. Barton, Dr. N. Campbell, Dr. J. Chatt, Dr. S. J. Gregg, Dr. F. B. Kipping, Dr. E. A. Moelwyn-Hughes, Professor A. Robertson, Dr. M. A. T. Rogers.

Since the Annual General Meeting, Dr. S. H. Harper was co-opted under Bye-Law 42 as an Ordinary Member of Council to fill the vacancy caused by the resignation of Dr. H. N. Rydon, who had ceased to reside in the area of Constituency I.

2. *Local Representatives.* The following new appointments were made to fill vacancies among the Society's Local Representatives :

Aberdeen.....	Dr. R. H. Thomson in place of Dr. J. M. C. Thompson.
Australia	Professor A. J. Birch in place of Dr. T. Iredale.
Edinburgh	Dr. T. R. Bolam in place of Dr. N. Campbell.
Exeter	Dr. K. Schofield in place of Dr. S. J. Gregg.
Glasgow	Dr. F. D. Gunstone in place of Dr. J. C. Speakman.
New Zealand	Professor S. N. Slater in place of Professor F. G. Soper.

VIII. FINANCE.

1. *The Cost of Publications.* The expenses of publication have risen even more sharply than in recent years and, but for the generous and much increased grants received, through the Chemical Council, from Industry, the gap between costs and income would have been very large indeed. The Society is dependent, to a much greater extent than in the past, upon outside grants to meet the expenses of its *Journal*, as well as to meet the financial requirements of the *Abstracts*. The changes in certain items of income and expenditure over the past five years are given in Table 6 below :

TABLE 6.

	Income.			Expenditure.		
	Annual sub- scriptions (net).	Sales of publications.	Outside grants.	Administra- tion.	Journal of the Society.	Contributions to Bureau of Abstracts.
	£	£	£	£	£	£
1948	20,754	9,503	3,400	7,855	19,997	5,300
1949	22,629	13,778	5,233	7,492	31,963	5,300
1950	26,884	16,784	15,985	7,468	31,713	12,084
1951	26,928	22,358	33,500 *	7,632	36,309	14,000
1952	29,273	21,365	49,550	7,178	53,439	26,000

* Includes £9500 in respect of previous year's deficit.

2. *Contributions.* The Council wishes to express its gratitude for a contribution of £5800 received through the Royal Society from the Government Scientific Publications Grant-in-Aid and for grants totalling £43,750 received through the Chemical Council from Industry.

3. *Increased Annual Subscription.* In order to meet the steadily rising costs—especially costs of publication—the Council proposed that the rate of the Fellow's annual subscription be increased from £3 10s. to £4 10s. At the same time it was proposed that the age at which the full subscription becomes payable be raised from twenty-five to twenty-seven years of age. These proposals, with certain consequential changes in the Bye-Laws, were approved by the Fellows at an Extraordinary General Meeting held on Thursday, July 17th, 1952 (*J.*, 1952, 3663).

At the same time the schedule prices of certain publications have been increased to bring these more into line with current costs of production, and Council has decided that, in future, Fellows should be asked to certify that the publications they have ordered are for their personal use.

4. *British Abstracts.* The Society's payments to the Bureau of Abstracts have increased very rapidly in the past three years (see Table 6), and whilst these payments have been matched by correspondingly larger grants received from Industry, the ultimate financial responsibility for any deficit rests upon the Chemical Society and the Society of Chemical Industry. The two Societies are agreed that this responsibility is now too great for their financial resources, and accordingly the Bureau has been informed that the Societies must, in 1953, limit their liability to the sums originally guaranteed (£5300 in the case of the Chemical Society).

At the same time the Council has stressed the importance to British chemistry of maintaining an adequate abstract service, available to the individual at a reasonable price, and very strenuous efforts have been made which will, it is hoped, ensure that sufficient financial support is forthcoming to enable the publication of *Abstracts* to continue.

5. *Sale of Publications.* The price at which publications are sold to libraries has in some cases been increased. Libraries of Charitable Institutions will, in future, receive a discount of 10% on the price of publications ordered from the Society.

6. *Library.* The Association of British Chemical Manufacturers has agreed to continue the annual payments of £100 under Deed of Covenant to the Society for the benefit of the Library Fund for a further period of seven years. The Council has recorded its thanks to the Association.

The Council also records its thanks to the Chemical Council for a grant of £599 11s. 0d. towards the maintenance costs of the Library. Out of a total maintenance expenditure of £4717 5s. 4d. the Society has contributed from its own resources the sum of £842 0s. 5d., as well as the entire capital expenditure for the year amounting to £2453 1s. 8d.

7. *Investments.* The following changes in the Society's Investments have been made during the year :

General Purposes Account. £1200 2½% Defence Bonds repaid at par.
£1199 7s. 0d. invested in £1000 3½% Defence Bonds and £200 3% Defence Bonds, 3rd Issue.

Special Reserve Fund. £4000 invested in £1800 3% Defence Bonds, 3rd Issue, and £2223 5s. 0d. 2½% National War Bonds, 1954/56.

Staff Pensions Fund. £2500 2½% Defence Bonds repaid at par.
£2495 17s. 10d. invested in £1000 3½% Defence Bonds, and £1505 3% Defence Bonds, 3rd Issue.

Centenary Fund. £2000 invested in £2265 16s. 6d. 4% Consolidated Stock, 1957, or after.

The Council has also approved the investment of a further £2000 in £2302 19s. 6d. 3½% Agricultural Mortgage Corporation Debenture Stock, 1975/78.

Corday-Morgan Medal and Prize Fund. £206 5s. 0d. 4½% Bristol Corporation Stock, 1952/62, repaid at par.
£206 5s. 0d. invested in £207 1s. 10d. 4¼% British Electricity Guaranteed Stock, 1974/79.

IX. REPRESENTATIVES OF THE SOCIETY ON OTHER BODIES.

In 1952 the Society was represented on various bodies by the following :

“ Acta Metallurgica ” :

International Journal of the Science of Metals : Dr. U. R. Evans.

Association of British Chemical Manufacturers :

Joint Technical Committee on Patents : Dr. J. T. Hewitt.

Barker Committee :

Formed to support the publication of the Barker Index of the characteristic angles of crystalline compounds : Dr. G. M. Bennett.

Bristol University Court :

Professor T. S. Moore.

British National Committee for Chemistry :

Sir Eric Rideal, Professor E. D. Hughes, Professor M. Stacey.

British National Committee for Crystallography :

Professor J. M. Robertson.

British Standards Institution. Technical Committees :

- | | |
|------------|--|
| C/17. | Viscosity : Dr. A. E. Dunstan. |
| C/34. | Standardisation of pH Scale : Professor H. T. S. Britton. |
| CHE/36. | Chemicals for Electroplating : Dr. J. R. I. Hepburn. |
| DAC/-. | Standards for Dairying Chemistry : Mr. Eric Voelker. |
| FCC/HCC/1. | Nomenclature for Fine and Heavy Chemicals Industries : The Editor. |
| HCC/2. | Silica Gel : Dr. B. Lambert. |
| LBC/-. | Scientific Glassware and Related Laboratory Apparatus : Dr. G. R. Davies. |
| LBC/1/1. | Dean and Stark and Ubbelohde Apparatus : Dr. G. R. Davies. |
| LBC/5. | Hydrometers : Mr. R. Sutcliffe. |
| LBC/6. | Standard Distillation Apparatus : Mr. R. Sutcliffe. |
| LBC/11. | Microchemical Apparatus : Mr. R. Belcher, Dr. H. D. K. Drew. |
| LBC/11/1. | Apparatus for Microchemical Combustion Methods : Mr. R. Belcher. |
| LBC/11/3. | Accessory Apparatus connected with Gravimetric Microanalysis : Mr. R. Belcher. |
| LBC/16. | Standardization of Glass Electrodes : Dr. D. J. G. Ives. |
| LBC/17. | Apparatus Drawing Conventions : The Editor. |
| LGE/19. | Colour Terminology : Dr. F. M. Hamer. |
| PAC/13. | Laboratory Filter Papers : Mr. F. H. Burstall. |
| PCC/1. | Nomenclature for Insecticides : Professor R. L. Wain. |
| RUC/8. | Rubber Tubing and Bungs for Laboratory Use : Dr. L. C. Bateman. |
| USM/1. | Units and Technical Data : The Editor. |
| USM/2. | Units, Symbols and Abbreviations : The Editor. |

Bureau of Abstracts :

Directors and Members : Sir Wallace Akers, Dr. G. M. Bennett, Dr. G. M. Dyson,
Professor H. Burton.

Members : Mr. R. P. Bell, Dr. A. H. Cook, Professor H. N. Rydon, Professor W.
Wardlaw.

Chemical Council :

The Treasurer, Mr. R. P. Bell, Professor H. Burton, Professor E. D. Hughes.

City and Guilds of London Institute :

The President.

Faraday Society. Colloidal and Biophysics Committee :

Dr. P. Johnson.

Joint Library Committee :

Dr. J. H. Burgoyne, Professor M. J. S. Dewar, Dr. F. Fairbrother, Dr. J. E.
Garside, Professor E. D. Hughes, Dr. D. J. G. Ives, Professor K. Lonsdale,
Professor H. N. Rydon, Dr. L. E. Sutton, Dr. F. C. Tompkins, Professor C.
Tyler, Professor R. L. Wain, Dr. J. Walker, Professor W. Wardlaw.

Lawes Agricultural Trust. Committee of Management :

Sir John Simonsen.

Parliamentary and Scientific Committee :

The President, The General Secretary.

*Regional Council for Further Education for the South-West. Chemistry and Chemical
Technology Committee :*

Professor W. E. Garner.

Royal Society : Joint Standing Committee for Symbols and Abbreviations :

Mr. R. P. Bell, The Editor.

Royal Society : Scientific Societies Accommodation Committee :

The President.

*Yorkshire Council for Further Education. Advisory Committee for Chemistry in South
and East Yorkshire :*

Professor R. D. Haworth.

APPENDIX A.

MEETINGS HELD DURING 1952.

IN LONDON.

All meetings were held in the Rooms of the Society at Burlington House.

January 24th, *The Gustav Tamann Memorial Lecture*, by Professor W. E. Garner; February 7th, *Symposium*, "The Physical Chemistry of Structural Changes in Solids," arranged by Professor A. R. Ubbelohde. Contributions from the following were read and discussed—Professor A. R. Ubbelohde, Professor F. E. Simon, Mr. L. A. K. Staveley, Dr. J. S. Anderson, Miss H. D. Megaw, Dr. J. C. Kendrew, and Professor W. E. Garner; February 21st, *Centenary Lecture*, "The Chemistry of the Cardiac Glycosides," by Professor T. Reichstein, *Honorary Fellow*; March 13th, *Meeting* for the reading of original papers; March 27th, *Hugo Müller Lecture*, "The Chemical Exploration of the Stratosphere," by Professor F. A. Paneth; May 8th, *Meeting* for the reading of original papers; June 5th, *Meeting* for the reading of original papers; October 16th, *Tilden Lecture*, "The Stereochemistry of cycloHexane Derivatives," by Dr. D. H. R. Barton; November 6th, *Willstätter Memorial Lecture* by Sir Robert Robinson; November 20th, *Tilden Lecture*, "The Chemistry of Intermolecular Compounds," by Mr. H. M. Powell; December 4th, *Meeting* for the reading of original papers; December 18th, *Meeting* for the reading of original papers.

OUTSIDE LONDON.

Aberdeen. Joint meetings with the local sections of the Royal Institute of Chemistry and the Society of Chemical Industry, at Marischal College; January 18th, *Lecture*, "Recent Developments in Vitamin B₁₂," by Dr. T. F. Macrae; March 28th, *Lecture*, "Chromatography," by Dr. R. L. M. Syngé; at Robert Gordon's Technical College, Aberdeen: October 24th, *Lecture*, "Applications of Spectroscopy to Chemical Problems," by Dr. W. C. Price; November 6th, *Lecture* by Miss Mamie Olliver; December 5th, *Lecture*, "Chemistry in Higher Technological Education," by Dr. H. J. T. Ellingham.

Australia. August 13th, a joint meeting of local Fellows and the Sydney University Chemical Society held in the Chemistry Department of the University to commemorate the birth of the late Henry George Smith. The meeting included a lecture by Professor A. J. Birch and a talk by Mr. W. J. Dunstan.

Birmingham. Joint meetings with the University Chemical Society, at the University: January 25th, *Lecture*, "Chemistry of the Tropolones," by Professor R. D. Haworth; March 14th, *Lecture*, "The Formation of Hydrogen Atoms in Aqueous Solution," by Professor F. S. Dainton; October 24th, *Lecture*, "Studies in the Chemotherapy of Tuberculosis," by Dr. V. C. Barry; December 5th, *Lecture* by Mr. B. H. Turpin (Quickfit and Quartz, Ltd.).

Bristol. At the University, January 24th, *Lecture* (with demonstration), "High Vacuum in the Service of the Chemist," by the Staff of W. Edwards and Co. (London), Ltd.; February 7th, *Lecture*, "Effect of Light on the Combustion of Hydrocarbons," by Professor R. G. W. Norrish; at the Technical College, Gloucester, February 14th, *Lecture*, "Applications of Infra-red Spectroscopy to the Study of Plastic Polymers," by Dr. H. W. Thompson. Joint meetings with the Royal Institute of Chemistry and the Society of Chemical Industry: October 1st, *Lecture*, "Synthetic Fibres," by Mr. B. T. Ridge, with the Plastics Institute at the Premier Hall, Stroud; at the University: October 2nd, *Lecture*, "Some Metallurgical Problems imposed by Stratosphere Flight," by Major P. L. Teed (with the Institute of Metals); October 30th, *Lecture*, "The Work of the Food Investigation Board," by Dr. Franklin Kidd (read by Dr. E. C. Bate-Smith); November 20th, *Lecture*, "Pile-produced Isotopes," by Dr. W. J. Arrol; November 27th, *Lecture*, "Phosphates and their Application to Industry," by Mr. C. W. Todd; December 4th, *Lecture*, "Selection of Lubricants for Industrial Applications," by Dr. Priston, at Gloucester Technical College.

Edinburgh. Joint meetings with the Royal Institute of Chemistry and the Society of Chemical Industry, at the North British Station Hotel, unless otherwise stated: January 17th, *Lecture and demonstration* by Quickfit and Quartz, Ltd.; with the Edinburgh University Chemical Society, February 5th, *Lecture*, "A Biochemical Approach to Chemotherapy," by Dr. T. S. Work, at the Biochemical Lecture Theatre, Teviot Place; February 21st, *Lecture*, "Recent Trends in Refractories Research," by Dr. A. T. Green; November 13th, *Lecture*, "Acetylenic Compounds," by Dr. R. A. Raphael.

Exeter. At the Washington Singer Laboratories, unless otherwise stated: January 22nd, *Lecture*, "Inorganic Chromatography," by Dr. F. H. Pollard, joint meeting with the Society of Chemical Industry; February 18th, *Lecture*, "Chemistry of the Tropolones," by Professor R. D. Haworth; March 13th, *Lecture*, "Some Aspects of Physical Oceanography in Antarctic and Sub-antarctic Waters," by Dr. H. F. P. Herdman, joint meeting with the Royal Institute of Chemistry and the Society of Chemical Industry at the Technical College, Tavistock Road, Plymouth; May 5th, *Meeting* for the reading of original papers; October 24th, *Lecture*, "Some Unusual Applications of Surface-active Agents," by Mr. J. L. Moillett, joint meeting with the Society of Chemical Industry; October 31st, *Lecture*, "The Bacteriostatic Properties of Heterocyclic Compounds," by Dr. A. Albert; November 27th, at the Washington Singer Laboratories and November 28th, at the Technical College, Tavistock Road, Plymouth, *Lecture*, "Metallic Complex Formation and Electronic Structure," by Dr. J. Chatt.

Glasgow. January 18th, *Tilden Lecture*, "The Contributions of Wave Mechanics to Chemistry," by Professor C. A. Couslon, at the University; February 29th, Annual General Meeting of Local Fellows followed by a *Meeting* for the reading of original papers, at the University; October 24th, *Lecture*, "Substitution at an Aromatic Carbon Atom," by Professor D. H. Hey, joint meeting with the Alchemist's Club and the Andersonian Chemical Society, at the Royal Technical College; November 21st, *Lecture*, "Some Recent Work on the Chemistry of Metallic Oxides," by Dr. J. S. Anderson, at the University.

Hull. At University College: January 31st, *Lecture*, "The Physics and Chemistry of Monolayers," by Dr. J. H. Schulman; February 21st, *Lecture*, "La Liaison d'Hydrogène," by Professor L. Hunter, joint meetings with the University College Scientific Society: October 30th, *Lecture*, "Recent Progress in the Mechanism of Synthesis of High Polymers," by Professor H. W. Melville; December 11th, *Lecture*, "Chemical Research at Harwell," by Dr. R. Spence (with the Royal Institute of Chemistry).

Irish Republic. January 16th, *Lecture*, "Recent Advances in the Chemistry of Algal Polysaccharides," by Dr. F. J. Coll, at Trinity College, Dublin; March 7th, *Lecture*, "Recent Advances in Nucleotide Chemistry," by Professor A. R. Todd, joint meeting with The Werner Society at Trinity College, Dublin; April 15th to 18th, *Anniversary Meetings* held jointly with the Royal Institute of Chemistry (for full programme see *Proceedings* for March, 1952); May 16th, *Lecture*, "The Chemical Exploration of the Stratosphere," by Professor F. A. Paneth, joint meeting with the Werner Society at Trinity College, Dublin; October 22nd, *Lecture*, "Physical Chemical Methods in Sugar Industry Laboratories," by Mr. R. J. P. Carolan, joint meeting with the Institute of Chemistry of Ireland, at University College, Dublin; November 5th, *Lecture*, "Recent Physico-chemical Studies on π Electrons in Solids," by Professor A. R. Ubbelohde, at University College, Dublin; November 21st, *Lecture*, "The Molecular-orbital Theory of Organic Chemistry," by Professor M. J. S. Dewar, joint meeting with the Werner Society at Trinity College, Dublin.

Leeds. At the University: January 21st, *Royal Institute of Chemistry Lecture*, "Recent Developments in Acetylene Chemistry," by Professor E. R. H. Jones; January 29th, *Lecture*, "The New Elements," by Dr. F. Fairbrother; February 18th, *Royal Institute of Chemistry Lecture*, "Some Equilibria and Reactions of Sulphur," by Dr. G. Gee; March 4th, *Lecture*, "New Approaches to the Study of Combustion," by Professor R. G. W. Norrish, joint meeting with the University Union Chemical Society; October 28th, *Royal Institute of Chemistry Lecture*, "Detergent Action," by Professor N. K. Adam; November 25th, *Lecture*, "Chemistry of the Tropolones," by Professor R. D. Haworth. Fellows were invited to all meetings of the Royal Institute of Chemistry, Leeds Area Section, as well as to those organised by other bodies.

Liverpool. At the University, joint meetings with the Royal Institute of Chemistry, the Society of Chemical Industry, and the British Association of Chemists: January 24th, *Lecture*, "Some Recent Advances in the Chemistry and Biochemistry of Porphyrins," by Dr. A. Neuberger; March 6th, *Lecture*, "Some Aspects of the Chemistry of Group IV Elements," by Professor W. Wardlaw; November 6th, *Lecture*, "Some Aspects of the Chemistry of Sesquiterpenes," by Professor G. R. Clemo (with the University Chemical Society); November 27th, *Lecture*, "Kinetics of Halogenation of Organic Compounds," by Mr. R. P. Bell (with the University Chemical Society).

Manchester. January 17th, *Meeting* for the reading of original papers, at the College of Technology; at the University, unless otherwise stated: February 7th, *Lecture*, "Developments in the Chemistry of Macrocyclic Pigments," by Professor R. P. Linstead, joint meeting with the University Chemical Society; February 28th, *Centenary Lecture*, "The Chemistry of the Cardiac Glycosides," by Professor Dr. T. Reichstein, *Honorary Fellow*; March 27th, *Symposium* on Ion-exchange Resins, joint meeting with the Royal Institute of Chemistry, the Society of Chemical Industry, and the Institute of Petroleum; April 3rd, *Hugo Müller Lecture*, "The Chemical Exploration of the Stratosphere," by Professor F. A. Paneth; October 23rd, *Lecture*, "Derivatives of Phenols—Some Problems of Structure, Stereochemistry, and Crystal Complex Formation," by Professor Wilson Baker, joint meeting with the Royal Institute of Chemistry and Society of Chemical Industry; November 13th, *Lecture*, "Self-sustained Exothermic Chemical Reactions with Special Reference to Explosions and Jet Propulsion," by Dr. James Taylor, joint meeting with the Royal Institute of Chemistry and the Society of Chemical Industry, at the College of Technology; November 25th, *Meeting* for reading of original papers, at the College of Technology.

Newcastle and Durham. At King's College, Newcastle-on-Tyne, unless otherwise stated: January 25th, *Bedson Club Lecture*, "The Contributions of Wave Mechanics to Chemistry," by Professor C. A. Coulson; February 22nd, *Bedson Club Lecture*, "There and Back Again. Some Aspects of Hysteresis," by Professor D. H. Everett; March 7th, *Meeting* for the reading of original papers; May 2nd, *Bedson Club Lecture*, "Recent Advances in the Chemistry of the Heaviest Elements," by Dr. J. S. Anderson; October 24th, *Meeting* for the reading of original papers; October 30th, *Lecture*, "The Comparative Chemistry of Carbon and Silicon," by Professor E. D. Hughes, joint meeting with the Royal Institute of Chemistry and the Society of Chemical Industry at the Science Building, Durham; November 28th, *Tilden Lecture*, "The Stereochemistry of cycloHexane Derivatives," by Dr. D. H. R. Barton. Fellows were invited to the meetings of the Bedson Club.

Northern Ireland. At Queen's University, Belfast, joint meetings with the Royal Institute of Chemistry and the Society of Chemical Industry; January 30th, *Lecture*, "Recent Research on the Control of Flowering in Plants," by Dr. Eric Ashby; February 19th, *Lecture*, "On Making Jam," by Mr. E. F. Eaton; October 7th, *Lecture*, "The Winning and Utilization of Peat," by Mr. A. J. Howard. November 4th, *Lecture*, "William Higgins—His Life and Work," by Professor T. S. Wheeler; November 25th, *Lecture*, "Some Recent Advances in the Chemistry of Natural Products," by Dr. W. B. Whalley (with the Andrews Club); December 3rd, *Jubilee Memorial Lecture* of the Society of Chemical Industry, "Textile Fibres—Variations on Some Familiar Themes," by Mr. J. R. Whinfield.

North Wales. At the University College of North Wales, Bangor, joint meetings with the University College Chemical Society: January 10th, *Lecture*, "Mould Metabolic Products," by Professor Alexander Robertson; February 7th, *Lecture*, "Biological Value of Proteins," by Dr. Kathleen Henry, with the Liverpool Section of the Society of Chemical Industry; November 6th, *Lecture*, "Cortisone," by Professor C. W. Shoppee; December 4th, *Lecture*, "Some Recent Advances in the Chemistry of the Fluorine Compounds," by Professor H. J. Emeléus, with the North Wales Section of the Royal Institute of Chemistry.

Nottingham. Joint meetings with Nottingham University Chemical Society, at the University, unless otherwise stated: January 31st, *Lecture*, "The Place of the Transuranic Elements in the Periodic Table," by Dr. J. S. Anderson; February 19th, *Lecture*, "Chemistry of the Tropolones," by Professor R. D. Haworth; joint meeting with Leicester University College Chemical Society, at University College, Leicester;

March 13th, *Lecture*, "Starch Metabolism in the Higher Plants," by Professor S. Peat; October 23rd, *Lecture*, "The Molecular-orbital Theory of Organic Chemistry," by Professor M. J. S. Dewar; November 27th, *Lecture*, "Some Organometallic Compounds containing Fluorocarbon Radicals," by Professor H. J. Emeléus.

Oxford. Fellows were invited to the following Alembic Club Lectures held in the Physical Chemistry Laboratory: October 27th, *Lecture*, "Carcinogenesis," by Professor Alexander Haddow; November 10th, *Lecture*, "Herbicides and Insecticides," by Professor G. E. Blackman; November 24th, *Lecture*, "Industrial Catalysis," by Dr. D. A. Dowden.

St. Andrews and Dundee. At United College, St. Andrews, unless otherwise stated: January 11th, *Lecture*, "Isotopes in Biological Research," by Dr. G. R. Tristram, joint meeting with St. Andrews University Chemical Society; January 17th, *Lecture*, "Organic Fluorine Compounds," by Professor M. Stacey, at University College, Dundee; January 25th, *Lecture*, "New Approaches to the Study of Combustion," by Dr. G. Porter, joint meeting with St. Andrews University Chemical Society; January 31st, *Lecture*, "Some Recent Developments in Theoretical Organic Chemistry," by Professor M. J. S. Dewar, at University College, Dundee; February 1st, *Lecture*, "The Photographic Action of X-Rays," by Mr. A. C. Coates, joint meeting with St. Andrews University Chemical Society; February 8th, *Lecture*, "Points in Chemotherapeutic Research," by Dr. F. L. Rose, joint meeting with St. Andrews University Chemical Society; February 28th, *Lecture*, "Structural Relationships in the Hemicellulose Group," by Professor E. L. Hirst, at University College, Dundee; March 7th, *Lecture*, "Some Aspects of Aromatic Substitution," by Professor Brynmor Jones, joint meeting with St. Andrews University Chemical Society; April 11th, *Lecture*, "Mechanism of Oxidation of Organic Compounds," by Dr. W. A. Waters, joint meeting with St. Andrews University Chemical Society; April 16th, *Lecture*, "Scientific Developments in the Field of Atomic Energy," by Sir John Cockcroft, joint meeting with St. Andrews University Chemical Society; April 18th, *Lecture*, "Polyacetylenes," by Professor E. R. H. Jones, joint meeting with the Royal Institute of Chemistry; October 17th, *Lecture*, "Alchemy and Art," by Professor John Read, joint meeting with St. Andrews University Chemical Society; October 17th, *Royal Institute of Chemistry Lecture*, "Biosynthetic Pathways," by Professor J. N. Davidson, at University College, Dundee; October 23rd, *Lecture*, "Substitution Reactions at an Aromatic Carbon Atom," by Professor D. H. Hey, at University College, Dundee; October 31st, *Lecture*, "Some Organic Compounds of Sulphur of Natural Occurrence," by Professor F. Challenger, joint meeting with St. Andrews University Chemical Society; November 14th, *Lecture*, "Hairs, Muscles, and Bacterial Flagella," by Professor W. T. Astbury, joint meeting with the St. Andrews University Chemical Society; November 28th, *Royal Institute of Chemistry Lecture*, "Alchemy and Art," by Professor John Read, at University College, Dundee; December 4th, *Lecture*, "Some Recent Progress in the Synthesis of New Types of High-polymer Molecules," by Professor H. W. Melville, at University College, Dundee.

Sheffield. At the University: joint meetings with the University Chemical Society, unless otherwise stated: January 31st, *Lecture*, "Some Relations between Crystal Structures," by Dr. A. F. Wells; February 21st, *Lecture*, "Some Recent Contributions of Organic Chemistry to Medicine," by Dr. J. Walker; March 6th, *Lecture*, "The Molecular Orbital Theory of Organic Chemistry," by Professor M. J. S. Dewar; April 24th, *Lecture*, "Recent Developments in Photochemistry," by Professor R. G. W. Norrish; November 13th, *Lecture*, "Some Recent Progress in Natural Product Research," by Dr. D. H. R. Barton; November 27th, *Lecture*, "The Origin of Meteorites," by Professor F. A. Paneth, joint meeting with the Royal Institute of Chemistry.

Southampton. Joint meetings with the University Chemical Society at the University: March 7th, *Lecture*, "The Mechanism of the Breakdown of Macromolecules," by Professor H. W. Melville; March 14th, *Lecture*, "The Biochemistry of Fluoroacetate Poisoning," by Sir Rudolph Peters; May 16th, *Lecture*, "The Application of Electric Dipole Moment Measurements to Chemical Problems," by Dr. L. E. Sutton; October 24th, *Lecture*, "Atoms in Cages," by Mr. H. M. Powell; November 21st, *Lecture*, "The Nature of the Co-ordinate Link," by Dr. J. Chatt (with the Royal Institute of Chemistry); December

5th, *Lecture*, "The Transfer of Hydrogen between Organic Compounds," by Professor R. P. Linstead, joint meeting with the Portsmouth and District Chemical Society at Portsmouth Municipal College.

South Wales. At University College, Swansea, unless otherwise stated: February 6th, *Lecture*, "The Scientific Examination of Paintings," by Dr. A. E. Werner, at University College, Cardiff; March 7th, *Lecture*, "The Development of Organic Chemistry during the 20th Century," by Sir Ian Heilbron, joint meeting with University College of Swansea Chemical Society; March 14th, *Lecture*, "The Combination of Metals and Non-metals," by Dr. U. R. Evans, joint meeting with the Royal Institute of Chemistry and University College of Swansea Chemical Society; April 25th, *Lecture*, "Acetylenic Compounds," by Professor E. R. H. Jones, joint meeting with University College of Swansea Chemical Society; October 20th, *Lecture*, "Some Recent Developments in Free-radical Chemistry," by Dr. W. A. Waters, at University College, Cardiff; October 31st, *Lecture*, "Chemical Research at Harwell," by Dr. R. Spence, joint meeting with the University College of Swansea Chemical Society and the Royal Institute of Chemistry; November 17th, *Lecture*, "Some Recent Developments in the Investigation of Radical Reactions," by Professor H. W. Melville, at University College, Cardiff; November 21st, *Lecture*, "The Transfer of Hydrogen between Organic Compounds," by Professor R. P. Linstead, joint meeting with the University College of Swansea Chemical Society.

APPENDIX B.

ANNUAL REPORT OF THE JOINT LIBRARY COMMITTEE FOR THE YEAR 1952

During the year 1952, attendances by readers numbered 10,562, against 10,489 the previous year. The average daily attendance was thus over 36. This increase is the more striking because of the smallness of the Reading Room and the fact that it is at the top of the building and can only be reached by walking up the stairs. The number of books borrowed showed a decrease of 388, and the number of photostat pages copied (3607) was 506 fewer than in 1951. Telephone enquiries numbered 2368, a reduction of 49. During the year 378 books were added to the Library, of which 88 were presented. 716 complete volumes of periodicals were added, and 202 pamphlets. The Library now contains 53,738 volumes, of which 16,531 are books and 37,207 are complete volumes of periodicals. Arrears of binding have again been reduced, and a large number of old periodicals has been rebound.

	Attendances.	Books borrowed.	Additions.		
			Books.	Volumes of periodicals.	Pamphlets.
1952	10,562	8703 (3526 by post)	378	716	202
1951	10,489	9091 (3795 by post)	358	712	366

Practical training in special librarianship has been given to students preparing for professional examinations, and others have visited the Library to study the methods used.

Further revision and re-arrangement of books in various rooms has taken place, in order to make the best possible use of all space, and when this is completed it is proposed to present a clear statement on the position, which is one of grave difficulty.

Gifts of books, both historical and new, continue to be received, and form most welcome additions to the Library, and to all Fellows, Publishers, and others who have kindly enriched the Library in this way, the Committee tenders its grateful thanks.

INCOME AND EXPENDITURE ACCOUNTS FOR THE YEAR ENDED 31ST DECEMBER, 1952.

		CENTENARY FUND.			
		1951		1952	
		£	s. d.	£	s. d.
<i>Income.</i>				<i>Expenditure.</i>	
Dividends on Investments	655 17 6	1287	16 8	Expenses of Lecturers & Delegates	186 2 2
Balance, being Excess of Expenditure over Income, carried to Balance Sheet	732 11 0	664	0 7	Miscellaneous	32 14 0
				Balance, being Excess of Income over Expenditure, carried to Balance Sheet	455 4 5
		£1288	8 6		£654 0 7

CORDAY-MORGAN MEDAL AND PRIZE FUND.

		1951		1952	
		£	s. d.	£	s. d.
Dividends on Investments	274 15 10	157	10 0	Prize	157 10 0
Deposit Interest	1 9 7	7	10 0	Medal	7 10 0
		1	15 3	Miscellaneous	29 16 2
		£276	5 5	Balance, being Excess of Income over Expenditure, carried to Balance Sheet	82 3 5
		£276	19 7		£276 19 7

CORDAY-MORGAN MEMORIAL FUND.

		1951		1952	
		£	s. d.	£	s. d.
Dividends on Investments	433 13 6	400	0 0	Grant to the Corday-Morgan Memorial Fund Executive	400 0 0
Deposit Interest	4 2 8	2	2 0	Memorial Expenses (Clause 12 of the Will)	2 14 6
		32	19 1	Miscellaneous	27 16 8
		2	15 1	Balance, being Excess of Income over Expenditure, carried to Balance Sheet	75 18 8
		£506	8 10		£506 8 10

THE CHEMICAL SOCIETY

BALANCE SHEETS, 31st December, 1952.

GENERAL PURPOSES.

1951		1952		1951		1952	
£	s. d.	£	s. d.	£	s. d.	£	s. d.
<i>Liabilities.</i>							
<i>Sundry Creditors:</i>							
10,098	17 0			29,196	19 6		
10,216	2 4			10,492	19 10		
7,498	12 0	10,993	6 2	7318	1 9		
13,800	0 0	13,628	4 3	20,466	10 8		
700	0 0	12,968	19 9				
		Special Reserve Fund... ..					
		Provision for Special Purposes... ..	444	1 6			
		Excess of Assets over Liabilities as per last Balance Sheet... ..					
23,982	11 7	24,196	12 7				
42	13 0	381	6 0				
23,975	4 7	Add Life Composition Fees... ..					
		24,507	17 7				
151	8 0	Add Excess of Income over Expenditure for year... ..	2513	11 8			
		27,021	9 3				
		£97,423	4 5	£97,423	4 5		
				£85,056	0 11	£85,056	0 11

There is in addition a contingent liability estimated not to exceed £40,000 in respect of the Bureau of Abstracts.

BALANCE SHEETS, 31ST DECEMBER, 1952.

		1951		1952		1951		1952	
		£	s. d.	£	s. d.	£	s. d.	£	s. d.
Liabilities.						Assets.			
Sundry Creditors	...	15	11 0	8	11 0	Sundry Debtors	...	8	11 0
Excess of Assets over Liabilities as per last Balance Sheet	...	10,978	19 7	10,978	19 7	Investments as per Schedule (cost or value when acquired)	...	10,978	19 7
		£10,994	10 7	£10,987	10 7			£10,987	10 7
PUBLICATIONS FUND.						SPECIAL RESERVE FUND.			
		£	s. d.	£	s. d.	£	s. d.	£	s. d.
		85	0 7	9585	0 7	13,800	0 0	13	3 11
Publications Reserve:		825	0 0			3,816	9 5	7,816	9 5
As per last Balance Sheet	...	2200	0 0			930	13 8	10,904	10 10
Add Grant—The Chemical Council (for 1950 and earlier years)	...								
		9500	0 0						
Library Reserve:									
As per last Balance Sheet	...			1309	17 8				
Duplicating and Equipment Reserve:									
As per last Balance Sheet	...			3025	0 0				
Add Transfer General Purposes Account	...								
Investments Reserve:									
As per last Balance Sheet	...			2100	0 0				
General Purposes Reserve:									
Amount brought forward	...			2527	4 10				
Add Excess of Income over Expenditure for year	...			187	1 1				
		£18,547	3 1	£18,547	3 1			£18,734	4 2

BALANCE SHEETS, 31st DECEMBER, 1952.

SPECIAL PUBLICATIONS FUND.

		1951		1952		1951		1952	
£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.
2948	16 3	498	4 7	62	4 3	162	5 10	47	2 5
436	6 6	3385	2 9	3385	2 9	2011	19 10	2011	19 10
				2958	5 1	1709	1 8	3076	9 10
				5873	7 10				
		£3883	7 4	£6035	12 1			£6035	12 1

Liabilities.

Sundry Creditors	...	...	...
Excess of Assets over Liabilities as per last Balance Sheet	...	...	...
Add Excess of Income over Expenditure for year	...	...	...

		1951		1952	
£	s. d.	£	s. d.	£	s. d.
Sundry Debtors
Investments as per Schedule (cost of value when acquired)
Cash at Bank and on deposit in the Post Office Savings Bank and London Trustee Savings Bank
		£3883	7 4	£6035	12 1

Assets.

Sundry Creditors	...	...	...
Excess of Assets over Liabilities as per last Balance Sheet	...	...	...
Add Excess of Income over Expenditure for year	...	...	...

STAFF PENSIONS FUND.

		1951		1952	
£	s. d.	£	s. d.	£	s. d.
4122	13 9	5	4 0	4	16 0
66	8 1	4086	5 8	4086	5 8
		74	14 3	3981	11 5
		£4061	9 8	£3986	0 5

		1951		1952	
£	s. d.	£	s. d.	£	s. d.
Sundry Debtors
Investments as per Schedule (cost of value when acquired)
Cash at Bank and on deposit in the Post Office Savings Bank
		£4061	9 8	£3986	0 5

Sundry Creditors	...	...	...
Excess of Assets over Liabilities as per last Balance Sheet	...	...	...
Deduct Excess of Expenditure over Income for year	...	...	...

CENTENARY FUND.

		1951		1952	
£	s. d.	£	s. d.	£	s. d.
20,831	14 6	22,977	11 1	21,193	3 4
2,645	16 7	22,977	11 1	2,645	16 7
		25,631	1 0	23,198	3 4
		£4061	9 8	£3986	0 5

		1951		1952	
£	s. d.	£	s. d.	£	s. d.
Sundry Creditors
Capital Account:
As per last Balance Sheet
Add Contributions under Deeds and Donations for year
Income Account:
Excess of Income over Expenditure for year
Deduct deficit brought forward
		£25,631	1 0	£23,198	3 4

Sundry Debtors	...	...	...
Investments as per Schedule (cost of value when acquired)	...	...	...
Income Account:	...	...	...
Deduct Accumulated Income	...	...	...
Cash at Bank	...	...	...
		£4061	9 8

£23,005 6 11

£25,633 12 3

£25,005 6 11

£25,633 12 3

BALANCE SHEETS, 31ST DECEMBER, 1952.

CORDAY-MORGAN MEDAL AND PRIZE FUND.

		1951		1952		1951		1952	
£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.
<i>Liabilities.</i>									
Sundry Creditors	...	...	...	...	...	...	...	...	...
Capital Account:									
As per last Balance Sheet	4986	17	9	13	16	2	75	0	3
Add Received from Public Trustees	900	14	4	5887	10	9	6860	14	9
Balance on Bonus Issue of Barclays Bank, (D.C. & O.) Ltd., "A" Stock	18	8	—	—	—	—	347	7	4
Balance on Bonus Issue of Imperial Tobacco Co. (G.R. & I.) Ltd. Ordinary Stock	—	—	—	10	6	—	—	—	—
	5887	10	9	5888	1	5	—	—	—
Deduct Loss on Repayment of Investment	—	—	—	2	11	7	—	—	—
Income Account:									
As per last Balance Sheet	1109	10	7	1381	15	4	119	0	0
Add Received from Public Trustees	191	16	10	43	15	1	12,232	1	5
Income Tax recovered	—	—	—	82	3	5	279	9	11
Excess of Income over Expenditure for year	80	8	11	1381	15	4	1607	18	10
	£7288	2	4	£7406	18	8	£7283	2	4
Sundry Debtors	...	...	...	...	...	...	...	...	...
Investments as per Schedule (cost or value when acquired)	...	...	...	...	...	...	...	...	...
Cash at Bank (including Deposits)	...	...	...	...	...	...	...	...	...
	£7406	18	8	£7406	18	8	£7406	18	8

CORDAY-MORGAN MEMORIAL FUND.

		1951		1952		1951		1952	
£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.
<i>Liabilities.</i>									
Sundry Creditors	...	...	...	...	...	...	...	...	...
Capital Account:									
As per last Balance Sheet	9513	17	6	30	10	2	119	0	0
Add Received from Public Trustees	1576	5	2	10,080	2	8	12,232	1	5
Income Account:									
As per last Balance Sheet	2204	7	5	2512	19	4	...	...	...
Add Received from Public Trustees	355	19	5	88	17	0	...	...	...
Income Tax recovered	—	—	—	2601	16	4	...	...	...
Deduct Income Tax charged on Memorial Expense, 1950	2558	6	10	—	—	—	...	...	...
Expenses, 1950	48	2	7	2601	16	4	...	...	...
Add Excess of Income over Expenditure for year	2510	4	3	2601	16	4	...	...	...
	2	15	1	2512	19	4	...	...	...
	£12,630	11	4	£12,798	7	10	£12,630	11	4
Sundry Debtors	...	...	...	...	...	...	...	...	...
Investments as per Schedule (cost or value when acquired)	...	...	...	...	...	...	...	...	...
Cash at Bank	...	...	...	...	...	...	...	...	...
	£12,798	7	10	£12,798	7	10	£12,798	7	10

BALANCE SHEETS, 31st DECEMBER, 1952.

FARADAY LECTURE FUND.

		Liabilities.		Assets.	
	1951	1952	1951	1952	
£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
472 16 10	487 10 1	487 10 1	Investment as per Schedule (cost or value when acquired)	489 4 0	
14 13 3	487 10 1	502 3 4	Cash at Bank	63 14 9	
		£502 18 9			£502 18 9

ROBERT JOHN FLINTOFF TRUST.

		Liabilities.		Assets.	
	1951	1952	1951	1952	
£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
1029 0 7	1045 1 6	1045 1 6	Sundry Debtors	5 2 0	
16 10 0	1045 1 6	82 19 0	Investments as per Schedule (cost or value when acquired)	1000 0 0	
1012 10 7	1045 1 6	1078 0 6	Cash at Bank	74 13 2	
32 10 11	1045 1 6	£1078 16 2			£1078 16 2

EDWARD FRANK HARRISON MEMORIAL TRUST FUND.

		Liabilities.		Assets.	
	1951	1952	1951	1952	
£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
1218 5 8	1182 5 8	1182 5 8	Investment as per Schedule (cost or value when acquired)	1101 7 11	
---	---	---	Cash at Bank	53 4 7	
1218 5 8	1182 5 8	1182 5 8			£1184 12 6
80 10 0	1182 5 8	£1184 12 6			

BALANCE SHEETS, 31ST DECEMBER, 1952.

RESEARCH FUND.

		1951		1952		1951		1952	
£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.
		<i>Liabilities.</i>				<i>Assets.</i>			
23,928	9 0	Sundry Creditors	...	793	0 4	Sundry Debtors	...	...	...
19	3 6	Excess of Assets over Liabilities as per last Balance Sheet	...	23,909	5 6	Investments as per Schedule (cost or value when acquired)	...	...	...
23,909	5 6	<i>Deduct</i> Excess of Expenditure over Income for year	...	---	---	Cash at Bank and on deposit in Post Office Savings Bank	...	...	...
---	---	Add Excess of Income over Expenditure for year	...	47	13 10	---	---	---	---
---	---	23,909	5 6	23,956	18 4	---	---	---	---
---	---	£24,344	12 4	£4,749	18 8	---	---	---	---
---	---	£24,344	12 4	£24,344	12 4	---	---	---	---

SPECIAL LECTURES FUND.

£	s. d.	£	s. d.	£	s. d.	£	s. d.
1644	4 1	Sundry Creditors	...	2	10 1	Investment as per Schedule (cost or value when acquired)	...
10	12 9	Excess of Assets over Liabilities as per last Balance Sheet	...	1654	16 10	Investment as per Schedule (cost or value when acquired)	...
---	---	Add Excess of Income over Expenditure for year	...	47	11 9	Cash at Bank	...
---	---	1664	16 10	1702	8 7	---	---
---	---	£1657	5 3	£1704	18 8	---	---
---	---	£1657	5 3	£1657	5 3	---	---

TILDEN LECTURE FUND.

£	s. d.	£	s. d.	£	s. d.	£	s. d.
1998	7 4	Sundry Creditors	...	5	8 0	Sundry Debtors	...
---	---	Excess of Assets over Liabilities as per last Balance Sheet	...	1994	13 7	Investments as per Schedule (cost or value when acquired)	...
---	---	Add Excess of Income over Expenditure for year	...	29	4 8	Investments as per Schedule (cost or value when acquired)	...
---	---	2023	18 3	2023	18 3	Cash at Bank (including Deposit)	...
---	---	Deduct Excess of Expenditure over Income for year	...	---	---	---	---
---	---	1994	13 7	2023	18 3	---	---
---	---	£2002	15 3	£2027	6 3	---	---
---	---	£2002	15 3	£2002	15 3	---	---

SCHEDULE OF INVESTMENTS.

GENERAL PURPOSES.

Nominal Details.	Cost or Value when Acquired.			Market Value 31st December, 1952.		
	£	s	d.	£	s	d.
£2600 14s. 4d. 3 1/4% Conversion Loan, 1961, or after ...	2044	16	0	2059	13	2
£2408 2s. 6d. 3% Funding Loan, 1959/59 ...	2429	11	5	2995	1	4
£2400 14s. 9d. 3% Savings Bonds, 1960/70 ...	2418	11	0	2005	12	9
£2000 3% Savings Bonds, 1965/75 ...	2006	4	5	1680	0	0
£1000 3% Defence Bonds ...	1000	0	0	1000	0	0
£200 3% Defence Bonds, 3rd Issue ...	199	7	0	200	0	0
£4747 4s. 6d. 3% British Transport, Guaranteed Stock, 1978/88 ...	5704	8	8	3655	7	2
£2546 1s. 4d. 3% British Electricity Guaranteed Stock, 1968/73 ...	2649	4	5	2138	13	11
£2400 2 1/2% Bristol Corporation Debenture Stock, 1957 ...	2070	2	0	2184	0	0
£1550 3 1/2% London County Consolidated Stock, 1964/69 ...	1639	2	6	1534	10	0
£2000 3% London County Consolidated Stock, 1962/67 ...	2032	10	0	1770	0	0
£2600 3% Commonwealth of Australia Registered Stock, 1964/66 ...	2509	7	6	2162	10	0
£A3000 3 1/4% Commonwealth of Australia Treasury Bonds, 1961/64	2552	16	7	2106	0	0
	£29,186	2	6	£24,650	8	4

STAFF PENSIONS FUND.

Nominal Details.	Cost or Value when Acquired.			Market Value 31st December, 1952.		
	£	s	d.	£	s	d.
£114 1s. 11d. 3 1/4% Conversion Loan, 1961, or after ...	88	2	3	90	2	10
£150 2 1/4% National War Bonds, 1951/63 ...	150	0	0	150	0	0
£170 3s. 7d. 3% Savings Bonds, 1955/65 ...	170	0	0	188	2	0
£815 2s. 7d. 2 1/4% Funding Loan, 1956/61 ...	818	3	9	762	2	11
£1505 3% Defence Bonds, 3rd Issue ...	1495	17	10	1605	0	0
£1000 3 1/4% Defence Bonds ...	1000	0	0	1000	0	0
	£3722	3	10	£3665	7	9

CENTENARY FUND.

£2637 10s. 6d. 3 1/4% Conversion Loan, 1961, or after ...	2300	0	0	2083	12	11
£2477 13s. 11d. 3% Savings Bonds, 1955/65 ...	2491	11	10	2304	0	2
£2500 3% Savings Bonds, 1960/70 ...	2584	7	6	2584	0	0
£2700 18s. 7d. 2 1/4% Savings Bonds, 1964/67 ...	2860	7	0	2486	10	2
£2270 13s. 0d. 3% British Transport Guaranteed Stock, 1978/88 ...	2237	9	0	1706	6	7
£2300 3% British Electricity Guaranteed Stock, 1968/73 ...	2498	8	9	2190	0	0
£2520 16s. 0d. 4% Consolidated Stock, 1957, or after ...	2000	0	0	1871	4	4
£1970 1s. 0d. 3% New Zealand Stock, 1973/77 ...	2000	0	0	1956	4	19
£1716 13s. 2d. 3 1/4% Northern Ireland Stock, 1969/71 ...	1700	0	0	1602	3	3
£A3000 3 1/4% Commonwealth of Australia Treasury Bonds, 1961/64 ...	2936	7	6	2497	0	0
	£23,198	3	4	£20,205	19	3

PUBLICATIONS FUND.

£2260 18s. 9d. 3 1/4% Conversion Loan, 1961, or after ...	1666	16	4	1786	3	7
£1000 3% Savings Bonds, 1955/65 ...	1000	0	0	930	0	0
£2261 1s. 11d. 3% Savings Bonds, 1960/70 ...	2276	1	11	1944	10	11
£2178 13s. 4d. 3% British Transport Guaranteed Stock, 1978/88 ...	1929	1	4	1675	5	3
£2000 3% British Electricity Guaranteed Stock, 1968/73 ...	2002	10	0	1680	0	0
£1300 3% Commonwealth of Australia Registered Stock, 1964/66 ...	1204	10	0	1038	0	0
£982 12s. 0d. 3%, Southern Rhodesia Stock, 1971/73 ...	1000	0	0	789	16	4
	£10,978	19	7	£9863	16	1

SPECIAL RESERVE FUND.

£1168 2 1/4% Funding Loan, 1956/61 ...	1169	7	5	1089	5	6
£2223 5s. 0d. 2 1/4% National War Bonds, 1954/66 ...	2210	17	0	2195	0	2
£1800 3% Defence Bonds, 3rd Issue ...	1789	3	0	1800	0	0
£2682 10s. 9d. 3% Liverpool Corporation Stock, 1955/58 ...	2647	2	0	2505	1	3
	£7816	9	5	£7589	15	11

SPECIAL PUBLICATIONS FUND.

£715 8s. 10d. 3 1/4% Conversion Loan, 1961, or after ...	541	2	4	565	3	11
£746 1s. 0d. 3% British Transport Guaranteed Stock, 1978/88 ...	719	18	9	574	9	2
£750 9% British Electricity Guaranteed Stock, 1968/73 ...	750	18	9	680	0	0
	£2011	19	10	£1709	13	1

CORDAY-MORGAN MEDAL AND PRIZE FUND.

£1398 5s. 4d. 3 1/4% War Stock, 1962, or after ...	1325	14	0	1090	13	0
£635 3s. 10d. 3% British Transport Guaranteed Stock, 1974/79 ...	574	17	0	489	1	11
£207 1s. 10d. 4 1/4% Consolidated Stock, 1957, or after ...	206	5	0	207	1	10
£206 5s. 0d. 4% Bournemouth Corporation Stock, 1958/62 ...	213	9	4	179	8	9
£206 10s. 0d. 3 1/4% Hertfordshire County Council Stock, 1955/65 ...	215	0	4	120	18	9
£300 3 1/4% Hertfordshire County Council Stock, 1954/59 ...	297	15	0	208	6	3
£774 6s. 3d. 3% British Guiana Government Stock, 1975/80 ...	690	5	4	600	1	10
£137 10s. 0d. 3% Federated Malay States Government Stock, 1960/70 ...	120	6	3	109	6	3
£112 Barclays Bank (D. C. & O.) Ltd., "A" Ordinary £1 Stock Units ...	201	7	6	196	0	0
£206 Watney, Combe & Reid, Ltd., Deferred Ordinary £1 Shares ...	713	16	0	473	0	0
£83 Imperial Tobacco Co. (G. B. & I.) Ltd., Ordinary £1 Shares ...	697	8	0	666	10	0
£240 Cardinal Investment Trust, Ltd., 3 1/4% Convertible Debenture Stock ...	263	5	0	237	11	9
£104 Commercial Union Assurance Co., Ltd., Ordinary £1 Stock Units ...	1014	0	0	296	8	0
	£6858	3	2	£6159	8	4

SCHEDULE OF INVESTMENTS.

CORDAY-MORGAN MEMORIAL FUND.

Nominal Details.	Cost or Value when Acquired.		Market Value 31st December, 1952.	
	£	s. d.	£	s. d.
£1850 2s. 5d. 3½% Conversion Loan, 1961, or after ...	1426	4 2	1208	16 11
£1973 10s. 11d. 3½% War Stock, 1962, or after ...	1950	1 10	1539	12 0
£477 1s. 10d. 3% British Electricity Guaranteed Stock, 1968/73 ...	480	17 0	400	16 1
£1062 10s. 11d. 3% British Gas Guaranteed Stock, 1950/89 ...	894	5 7	818	3 2
£217 12s. 6d. 3% London County Consolidated Stock, 1962/67 ...	208	7 6	181	14 3
£1038 0s. 7d. 3% Redemption Stock, 1946/96 ...	928	18 10	802	2 11
£1000 4% South Staffordshire Waterworks Red. Preference Stock, 1971 ...	1046	10 6	895	0 0
£300 4% Hall Corporation Stock, 1962/72 ...	303	19 7	300	0 0
£412 10s. 0d. 3% City of Plymouth Stock, 1964 ...	408	8 7	410	8 9
£300 3% New Zealand Government Stock, 1961/71 ...	348	16 11	186	16 3
£300 3% New Zealand Government Stock, 1952/56 ...	239	0 0	289	10 0
£68 Barclays Bank, Ltd., "B" Ordinary £1 Stock Units ...	237	3 0	197	4 0
£206 Bankers' Watford Brewery, Ltd., Ordinary £1 Shares ...	234	18 0	169	10 0
£206 H. & G. Simmons, Ltd., Ordinary £1 Shares ...	894	6 0	982	6 0
£100 Imperial Chemicals (G.B. & I.) Ltd., Ordinary £1 Shares ...	107	6 6	198	0 0
£108 Thomas Tilling & Co., Ltd., Ordinary £1 Stock Units ...	107	6 6	125	18 0
£340 Alliance Trust, Ltd., ½% Debenture Stock, 1936 ...	344	5 0	311	2 0
£69 London & Lancashire Insurance Co., Ltd., Ordinary £1 Stock Units ...	448	10 0	457	2 6
£68 Phoenix Assurance Co., Ltd., Ordinary £1 Stock Units ...	1088	0 0	1166	0 0
	£12,232	1 5	£10,969	10 10

FARADAY LECTURE FUND.

£441 1s. 11d. 3½% Conversion Loan, 1961, or after ...	£439	4 0	£346	0 4
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ROBERT JOHN FLINTOFF TRUST.

£222 2s. 2d. 3½% Conversion Loan, 1961, or after ...	600	0 0	413	5 1
£246 19s. 4d. 3% British Transport Guaranteed Stock, 1973/88 ...	600	0 0	420	7 11
	£1000	0 0	£833	13 0

EDWARD FRANK HARRISON MEMORIAL TRUST FUND.

Nominal Details.	Cost or Value when Acquired.		Market Value 31st December, 1952.	
	£	s. d.	£	s. d.
£61 15s. 8d. 3½% Conversion Loan, 1961, or after ...	50	1 5	48	16 2
£1489 10s. 0d. 3% British Transport Guaranteed Stock, 1973/88 ...	1051	6 6	1146	18 8
	£1101	7 11	£1195	14 10

RESEARCH FUND.				
£4177 16s. 1d. 3½% Conversion Loan, 1961, or after ...	3625	16 8	3300	9 4
£500 3% Defence Bonds 4th Issue ...	540	0 0	500	0 0
£1835 2½% Funding Loan, 1956/61 ...	1835	0 0	1710	14 6
£1600 3% Savings Bonds, 1955/65 ...	1515	0 0	1380	0 6
£4000 3% Savings Bonds, 1950/70 ...	4000	0 0	3440	0 0
£3755 2s. 1d. 3% British Transport Guaranteed Stock, 1973/88 ...	3697	19 5	3690	8 7
£3719 8s. 2d. 3% British Electricity Guaranteed Stock, 1968/73 ...	3724	1 2	3124	6 1
£4000 3% Commonwealth of Australia Registered Stock, 1964/66 ...	4015	0 0	3460	0 0
£1116 7s. 0d. 3% New Zealand Stock, 1973/77 ...	1080	7 4	904	4 10
	£23,923	4 7	£20,781	3 4

SPECIAL LECTURES FUND

£1068 17s. 3d. 3% British Transport Guaranteed Stock, 1973/88 ...	£1615	5 0	£1285	15 10
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TILDEN LECTURE FUND.

£419 4s. 10d. 3% Funding Loan, 1949/69 ...	386	12 10	364	14 10
£481 16s. 1d. 3% British Transport Guaranteed Stock, 1973/88 ...	628	4 0	525	2 1
188 Nominal Provincial Bank Shares @ 50 each, £1 paid, 4/2/79 ...	938	18 0	948	14 0
£220 3% Metropolitan Water Board (Kent Water Works) Deb. Stock ...	188	2 0	148	10 0
	£1878	14 10	£1687	0 11

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 and, in our opinion, correct. We have also verified the Balances at the Bankers and Investments.

W. A. AKERS, Treasurer.
W. B. KEEN & Co.
Chartered Accountants.

FINGERY CIRCUS HOUSE,
RUMFOLD STREET, E.C.2.
15th MARCH, 1953.