

ONE HUNDRED AND ELEVENTH ANNUAL GENERAL MEETING.

THE One Hundred and Eleventh Annual General Meeting of the Chemical Society was held on Wednesday, April 16th, 1952, in the Lecture Theatre, The Chemistry Department, Trinity College, Dublin. The President took the Chair at 10.30 a.m. and called upon the Senior Honorary Secretary, Professor H. Burton, to read the notice convening the meeting.

The Notice having been read, the President called upon the Senior Honorary Secretary to make a statement on the Report of Council. Professor Burton drew attention to the Fellowship statistics given in the first section of the Report and pointed out that the growth of the Society had been maintained in the first quarter of 1952, a high proportion of the new Fellows again being drawn from overseas. To off-set this there was a somewhat disturbing factor in the large number of resignations coming from Fellows paying a joint subscription and resigning in the year in which the full annual subscription became due.

Professor Burton recalled that the dignity of Knight Bachelor had been conferred upon the President during his term of office and that the specific citation referred to the fact that he was the President of the Chemical Society.

The number of communications received for publication during 1951 was a record in the history of the Society: in the last quarter of 1951 there was a marked increase in the rate of submission of new papers, and this increase had been fully maintained through the opening months of 1952. It appeared probable that the Society might receive 1000—1100 papers during the year and that the Journal would consist of at least 5000 pages. It was stated that two referees were appointed by the Honorary Secretaries for each paper submitted and that the Editor, acting as Secretary of the Publication Committee, received the reports of the referees and, if necessary, asked the Honorary Secretaries to appoint a third referee.

Professor Burton referred to the work of the permanent staff of the Society and thanked them for their work during the past year. He also paid a tribute to the Local Representatives and to those who had served the Society on Committees and in other ways. The Society had particular reason to be grateful to the members of the joint organising committee in Dublin who had arranged the Anniversary Meetings.

The President then called upon the Treasurer, Sir Wallace Akers, to make a statement on the Accounts for the year ended December 31st, 1951.

The Treasurer first commented that the administrative costs of the Society had increased by only £150 to £7632 during the preceding year and considered that this relatively small increase was a tribute to the efficient administration of the Society. For a variety of reasons, however, it was probable that in 1952 administrative costs would be somewhat higher.

The receipts from the sales of publications had risen substantially during 1951. Part of this was due to an increase in the sales of back numbers which he did not expect to be maintained in the current year. The receipts from current subscriptions to the Journal had, however, also increased and he hoped that this would be maintained in 1952.

The Treasurer then drew attention to the grants which had been received through the Royal Society from the Government Scientific Publications Grant-in-Aid and from the Chemical Council. These receipts had made possible the present volume of publication which had been maintained in a time of rising costs. Certain sums had been transferred to the Special Reserve Fund to replace the deficits of previous years, to cover the depreciation in the value of the Society's investments, and to increase the Reserve for building and equipment.

The Treasurer then referred to an important note which had been inserted in the Accounts at the request of the Society's Auditors to the effect that no provision had been made for any contribution which might be required towards meeting the accumulated deficiency of the Bureau of Abstracts. Fellows would be aware that the Bureau was supported by small grants from the Physiological Society and other sources but that the

main income, apart from that derived from the sales of publications, came from grants made by the Chemical Society and the Society of Chemical Industry. The deficiency to which the Auditors had drawn attention consisted largely of the sums which it would be necessary to find to cover the cost of printing certain issues of Abstracts and the Indexes which were in arrears. He hoped that the renewed appeal to industry which the Chemical Council were now considering would provide sufficient funds to enable the Chemical Council to make grants to the Societies on a scale adequate not only to permit the Societies, in their turn, to make sufficient grants to the Bureau to meet the cost of these arrears of printing, but would also enable the Societies and the Bureau to continue their present volume of publication. He also expressed the hope that the Commonwealth organizations corresponding to the D.S.I.R. and to the Chemical Society which had expressed a desire for the continuation of British Abstracts would agree to contribute something towards the cost. At the same time, if industry was to contribute more for chemical publications, it was up to the Societies to take some action themselves and he had the President's permission to say that the Council had recently very reluctantly decided that the annual subscription would have to be increased. Details would at a later date be circulated to Fellows and would have to be confirmed at an Extraordinary General Meeting.

After a brief discussion, the President called upon Professor T. Dillon to propose the adoption of the Report of Council. This motion was seconded by Dr. J. G. Belton and was approved by the meeting.

The President then announced the following Elections to the Council of the Society :

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 :

Constituency I :

Dr. D. H. R. Barton.

Dr. J. Chatt.

Dr. F. B. Kipping.

Dr. E. A. Moelwyn-Hughes.

Constituency II :

Dr. S. J. Gregg.

Constituency III :

Professor A. Robertson.

Dr. M. A. T. Rogers.

Constituency V :

Dr. N. Campbell.

On the motion of Professor W. Cocker, seconded by Mr. E. R. Stuart, Messrs. W. B. Keen and Company, Finsbury Circus House, Blomfield Street, London, E.C.2, were re-appointed as Auditors to the Society for 1952.

A vote of thanks to the President, Officers, and Council for their services to the Society during the past year was proposed by Dr. A. G. G. Leonard, seconded by Mr. M. J. Cranley, and carried with acclamation.

After a brief interval the meeting was resumed at 11.30 a.m.

Fellows who had not previously signed the Obligation Book had an opportunity of doing so and were formally admitted by the President. Their names are recorded in the Proceedings for July, 1952.

The President then presented the Corday-Morgan Medal and Prize for 1950, which had been awarded to Dr. R. S. Nyholm, to Dr. W. A. Wynes, Australian Chargé d'Affaires in Dublin, who received it on Dr. Nyholm's behalf and expressed his thanks at the honour conferred upon an Australian chemist by the Society.

The President then delivered his Presidential Address (*J.*, 1952, 2479) entitled "Colloid Science : A Chapter in Chemistry," and in conclusion a vote of thanks to the President for his Address, proposed by Professor C. K. Ingold and seconded by Professor A. R. Ubbelohde, was carried with acclamation.

REPORT OF COUNCIL FOR 1951.

I. FELLOWSHIP.

1. *General.* In the year 1951 the number of Fellows increased by 263, and on December 31st, 8616 names were included in the Register. Growth over the past three years is shown in the following table :

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

It is, however, important to note that the rate of increase is much less than in the years immediately following the war.

The number of new elections has been maintained, but a higher proportion of the candidates is resident overseas. Of the 700 candidates elected in 1951, 264 were from overseas (130 from the United States). The resignations and removals, on the other hand, are more numerous than during the years of maximum growth, and the Council is anxious to do everything possible to maintain a satisfactory rate of increase in Fellowship.

In 1951, 4789 Fellows participated in the Joint Subscription Scheme sponsored by the Chemical Council. This represents 55.7% of the Fellowship (4750 Fellows or 56.9%, in 1950).

2. *Honours.* The congratulations of the Society have been conveyed to the following Fellows awarded Honours in the New Year or Birthday Honours Lists :

K.B.E.

William Kershaw Slater

Knight Bachelor

Roger Duncalfe
Eric Keightley Rideal, *President*

C.M.G.

Harold James Page

The Council has also expressed the warm congratulations of the Society on the following awards announced by the Royal Society :

Royal Medal

Sir Ian Heilbron

Davy Medal

Sir Eric Rideal, *President*

3. *Deaths.* During 1951 the Council has had to record with profound regret the death of a former Vice-President of the Society and of two serving Members of Council whose names are given below.

Professor A. J. Allmand (*Vice-President 1945—1948*).

Dr. H. E. Cox (*Chairman of the Joint Library Committee and ex-officio a Member of Council since 1948*).

Dr. E. G. V. Percival (*Elected 1949*).

II. PUBLICATIONS.

1. *Journal.* During 1951, 910 Scientific communications were received, 45 were declined, and 26 withdrawn. The *Journal* contained 795 items, made up as follows. The figures for 1948—1950 are shown for comparison :

	1948	1949	1950	1951
Papers (General, Physical, and Inorganic)	124	147	147	131
„ (Physical Organic *)	16	125	110	100
„ (Organic)	326	530	470	462
Notes	45	68	73	85
Lectures and Addresses	5	6	6	3
Obituary Notices	17	11	16	9
Annual General Meeting	2	1	1	1
Editorial Nomenclature Report	—	—	1	1
Report by Symbols Committee of the Royal Society	—	—	—	1
I.U.P.A.C. List of Atomic Weights	—	—	—	1
„ Report of Commission of Nomenclature of Inorganic Chemistry	—	—	—	1
	<u>535</u>	<u>888</u>	<u>824</u>	<u>795</u>

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

Contributions from industrial laboratories, published during 1951, totalled 90, including 5 jointly with academic institutions; those from Industrial and Government research organisations totalled 61, including 9 jointly with academic institutions.

Scientific communications from overseas, published during 1951, numbered 121, including 10 jointly with British laboratories (given in parentheses in the table below) :

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

The following are some comparative figures for recent years :

	1948	1949	1950	1951
Papers and Notes received	548	739	874	910
Less rejected or withdrawn	17	19	68	71
	<u>531</u>	<u>720</u>	<u>806</u>	<u>839</u>
Papers and Notes published	511	870	806	778
No. of pages (Papers and Notes)	2203	3762	3576	3368
No. of pages (total, excluding Indexes)	2330	3858	3697	3514
Average no. of pages per communication	4.35	4.32	4.44	4.33

2. *Annual Reports on the Progress of Chemistry for 1950 (Volume XLVII)*. These were issued at the end of July 1951 and, following the decision of Council to increase the size, contained 490 pages (333 in the previous year).

A Cumulative Subject Index for the *Annual Reports* for 1904 to 1949 (Volumes I to XLVI) was issued.

3. *Quarterly Reviews*. Volume V (1951) of *Quarterly Reviews* contained eighteen articles, occupying 423 pages (Volume IV, nineteen articles, occupying 425 pages).

4. *Memorial Lectures, Volume IV*. This was issued during the year and contained twelve Lectures (188 pages).

5. *Nomenclature*. An Editorial Report on Nomenclature for 1951 is being published with the index to the *Journal* for 1951. Reprints of this Report and that issued for 1950 are available, price 1s. each post free.

III. MEETINGS.

1. *Scientific Meetings*. Twelve Meetings were held in London during 1951. These included eight Lectures. At the other four Meetings, nine Papers were read and discussed.

Official Scientific Meetings of the Society were held at provincial centres as follows :

Hull	March 1st
Leeds	November 22nd
Liverpool	December 6th
South Wales	November 9th

Details of all Meetings, including those arranged by Local Representatives of the Society and held jointly with other bodies, are given in Appendix A.

2. *Anniversary Meetings*. The Anniversary Meetings were held in London on March 20th and 21st. Sir Eric Rideal gave his Presidential Address, "Concepts in Catalysis—The Contributions of Paul Sabatier and Max Bodenstein" (*J.*, 1951, 1640) in the afternoon of Tuesday, March 20th. A Reception and Conversazione was held in the Apartments of the Royal Society on the same evening.

On Wednesday, March 21st, after the Annual Meeting of Local Representatives, the One Hundred and Tenth Annual General Meeting was held. A full report has been published (*J.*, 1951, 1648). Visits to research establishments were arranged in the afternoon, and the Anniversary Dinner was held in the evening at the Savoy Hotel.

3. *Centenary Lectures*. In January Professor Dr. K. Linderstrøm-Lang (Copenhagen) visited Great Britain at the invitation of the Society. In addition to addressing a Meeting in London on January 18th, Professor Linderstrøm-Lang lectured in Leeds, Newcastle, and Sheffield.

The Society also invited Professor R. B. Woodward (Harvard) to lecture in London on April 26th and also at Cambridge, Dublin, Glasgow, Liverpool, Manchester, Newcastle, and Nottingham.

IV. LIBRARY.

The Annual Report of the Joint Library Committee for 1951 is reproduced as Appendix B to this Report.

V. OTHER ACTIVITIES.

1. *Seventy-Fifth Anniversary of The American Chemical Society*. The President was the Society's official representative at the seventy-fifth anniversary meetings of the American Chemical Society. An address of congratulation was presented. These meetings

and the XIIth International Congress of Pure and Applied Chemistry held in New York in September were also attended on behalf of the Society by Professor H. Burton and Dr. L. E. Sutton (Honorary Secretaries), Mr. J. R. Ruck Keene (General Secretary), Dr. R. S. Cahn (Editor), and Dr. A. D. Mitchell (Assistant Editor). A paper by Dr. Cahn and Dr. Mitchell on "Chemical Nomenclature in Britain Today" was read at a nomenclature symposium arranged by the American Chemical Society.

2. *Grants for Research.* The Council has authorised grants totalling £779 13s. 0d. to be made from the Research Fund to 39 applicants.

3. *Longstaff Medal.* The Longstaff Medal for 1951 was awarded to Professor C. K. Ingold.

4. *Corday-Morgan Medal and Prize.* The First award of the Corday-Morgan Medal and Prize was made during 1951, in respect of work published in 1949, to Dr. D. H. R. Barton. Full particulars regarding the award have been published in the Proceedings.

5. *The Chemical Council, and the Bureau of Abstracts.* The Reports of the Chemical Council for 1950 and 1951 and the Report of the Bureau of Abstracts for 1950 are now available. Fellows may obtain copies of these Reports from the General Secretary.

VI. ADMINISTRATION.

1. *Council.* At the Annual General Meeting on March 21st, the following were declared elected :

Vice-Presidents	Professor G. R. Clemo, Professor D. H. Hey, Professor M. Stacey
Honorary Secretaries	Professor E. D. Hughes, Dr. L. E. Sutton
Elected Ordinary Members of Council ...	Dr. G. Baddeley, Professor Wilson Baker, Dr. J. Bell, Mr. H. M. Powell, Dr. H. N. Rydon, Professor C. W. Shoppee, Dr. J. W. Smith, Dr. T. S. Stevens, Professor A. R. Ubbelohde.

Since the Annual General Meeting the following changes have taken place in the Membership of Council :

Ordinary Members of Council : Mr. R. P. Bell has been co-opted as an additional Member of Council, under Bye-Law 19. Dr. S. J. Gregg was appointed under Bye-Law 42 to fill the vacancy caused by the election of Professor M. Stacey as a Vice-President. Dr. Neil Campbell was appointed to fill the vacancy caused by the death of Dr. E. G. V. Percival.

2. *Local Representatives.* The Council received with regret the resignation of a number of Local Representatives, and the following new appointments were made :

Oxford	Dr. H. M. N. H. Irving in place of Dr. W. A. Waters.
South Wales	Dr. K. W. Sykes in place of Professor C. W. Shoppee.
Liverpool	Dr. A. K. Holliday in place of Dr. W. B. Whalley.

During the temporary absence of Dr. G. R. Barker (Manchester) in the United States, Dr. H. B. Henbest has acted as Local Representative.

VII. FINANCE.

1. *Cost of Publications.* The cost of printing, paper, and distribution has again increased sharply during the year. In particular the price of paper has doubled within twelve months, and printers charges have risen by about 18%. This has inevitably led

to an increase in the cost of all publications, and the *Journal* now costs over £10 per page to produce and distribute.

2. *Contributions.* The Council acknowledges with gratitude the sum of £5000 received through the Royal Society from the Government Scientific Publications Grant-in-Aid and an increased grant of £28,500 from the Chemical Council made possible by the generous response by Industry to the last appeal of the Chemical Council. These grants have enabled the Society to continue to publish without restriction and to increase its grant to the Bureau of Abstracts from £10,600 to £14,000.

3. *Library.* The Council records its thanks for a contribution of £300 received through the Royal Society from the Government Scientific Publications Grant-in-Aid towards the cost of capital expenditure on the Library and for a grant of £676 19s. 9d. from the Chemical Council towards maintenance costs. From its own resources the Society has contributed £2334 8s. 9d. towards capital expenditure, as well as £750 13s. 0d. towards maintenance. The following contributions on a membership basis have been received through the Chemical Council towards maintenance costs :

	£	s.	d.
The Royal Institute of Chemistry	1704	14	11
The Society of Chemical Industry	627	17	7
The Faraday Society	175	7	8
The Society of Public Analysts and Other Analytical Chemists	119	5	3
The Biochemical Society	129	15	8

Contributions towards maintenance costs from other sources were as follows :

	£	s.	d.
The Association of British Chemical Manufacturers	100	0	0
The Institute of Brewing	50	0	0
The Society of Dyers and Colourists	10	0	0

4. *Insurances.* The Society's insurance policies have been reviewed, and the cover has been increased by appropriate amounts.

5. *Subscriptions under Covenant.* There has been a ready response by Fellows who pay Income Tax at the full rate to enter into a Deed of Covenant with the Society in respect of their annual subscriptions, and a further approach has been made to those Fellows who have not already signed Covenants. In 1951 the amount recovered by the Society from the Commissioners of Inland Revenue was £895, and this will be substantially increased in 1952.

6. *Sir Gilbert Morgan—Bequest.* The balance of the capital and accumulated income comprising the Corday-Morgan Memorial Fund and the Corday-Morgan Medal and Prize Fund has now been transferred to the Society by the Public Trustee which included the following investments :

Corday-Morgan Memorial Fund. £1035 0s. 7d. 3% Redemption Stock, 1986/96.
Corday-Morgan Medal and Prize Fund. £635 3s. 10d. 3% British Transport Guaranteed Stock, 1978/88.

7. *Investments.* The following additions to the Society's investments have been made during the year :

General Purposes Account. £160 3s. 4d. received as Life Composition Fees invested in £182 19s. 4d. 3½% Conversion Loan.
Centenary Fund. £2300 invested in £2637 10s. 6d. 3½% Conversion Loan.
Corday-Morgan Memorial Fund. £1096 4s. 2d. invested in £1186 7s. 5d. 3½% Conversion Loan.

£1046 10s. 6d. invested in £1000 South Staffordshire Waterworks 4% Redeemable Preference Stock, 1971.

£646 10s. 5d. invested in £788 15s. 7d. 3% British Gas Stock, 1990/95.
Corday-Morgan Medal and Prize Fund. £500 invested in £568 1s. 3d. 3% British Guiana Stock, 1975/80.

The following stocks have also been converted at par into 3½% Commonwealth of Australia Bonds, 1961/64 :

General Purposes Account. £A3000 4% Commonwealth of Australia Treasury Bonds, 1961.

Centenary Fund. £A3500 4% Commonwealth of Australia Treasury Bonds, 1961.

VIII. REPRESENTATIVES OF THE SOCIETY ON OTHER BODIES.

In 1951 the Society's representation on other bodies was as follows :

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 :

Professor D. H. Hey, Sir Cyril Hinshelwood, Professor M. Stacey.

British National Committee for Crystallography :

Dr. G. M. Bennett.

British Standards Institution. Technical Committees :

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|------------|--|
| M/1. | Units and Technical Data : The Editor. |
| C/17. | Viscosity : Dr. A. E. Dunstan. |
| C/18. | Chemical Symbols and Abbreviations : The Editor. |
| C/34. | Standardisation of pH Scale : Professor H. T. S. Britton. |
| CHE/36. | Chemicals for Electroplating : Dr. U. R. Evans. |
| DAC/-. | Standards for Dairying Chemistry : Mr. Eric Voelker. |
| FCC/HCC/1. | Nomenclature for Fine and Heavy Chemicals Industries : The Editor. |
| LBC/-. | Scientific Glassware and Related Laboratory Apparatus : Dr. G. R. Davies. |
| LBC/2/1. | 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. |
| LGE/19. | Colour Terminology : Dr. F. M. Hamer. |
| PCC/1. | Nomenclature for Insecticides : Professor R. L. Wain. |
| ROC/8. | Rubber Tubing and Bungs for Laboratory Use : Dr. L. C. Bateman. |

Bureau of Abstracts :

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

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

Chemical Council :

The Treasurer, Mr. R. P. Bell, Professor H. Burton, Sir Ian Heilbron.

City and Guilds of London Institute :

The President.

Faraday Society. Colloidal and Biophysics Committee :

Dr. P. Johnson.

Joint Library Committee :

Dr. J. H. Burgoyne, Dr. A. H. Cook, Dr. F. Fairbrother, Dr. J. E. Garside, Dr. J. R. I. Hepburn, Professor D. H. Hey, Professor E. D. Hughes, Dr. D. J. G. Ives, Professor K. Lonsdale, Dr. H. N. Rydon, Dr. F. C. Tompkins, Professor C. Tyler, Professor R. L. Wain, Dr. J. Walker.

Lawes Agricultural Trust. Committee of Management :

Sir John Simonsen.

Parliamentary and Scientific Committee :

The President, 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 1951.****IN LONDON.**

Unless otherwise stated all meetings were held in the Rooms of the Society at Burlington House.

January 18th, *Centenary Lecture*, "Structure and Enzymic Breakdown of Proteins", by Professor Dr. K. Linderstrøm-Lang; February 1st, *Meeting* for reading of papers; February 15th, *Tilden Lecture*, "Atoms and Radicals in Aqueous Solution", by Professor F. S. Dainton; March 15th, *Meeting* for reading of papers; April 26th, *Centenary Lecture*, "Some Recent Advances in the Chemistry of Natural Products", by Professor R. B. Woodward; May 3rd, *Lecture*, "Chemical Evidence Relative to the Origins of the Earth and Planets", by Professor H. C. Urey; May 10th, at the Royal Institution, *Liversidge Lecture*, "Transient Entities in Chemical Reactions", by Professor H. W. Melville; June 7th, at the Royal Institution, *Tilden Lecture*, "A Chemotherapeutic Search in Retrospect", by Dr. F. L. Rose; October 18th, *Tilden Lecture*, "The Contributions of Wave Mechanics to Chemistry", by Professor C. A. Coulson; November 1st, *Meeting* for reading of papers; November 15th, *Meeting* for reading of papers; December 13th, *Tilden Lecture*, "Some Recent Developments in the Chemistry of Free Radical Reactions in Solution", by Professor D. H. Hey.

OUTSIDE LONDON.

Aberdeen. Joint meetings with the local sections of the Royal Institute of Chemistry and the Society of Chemical Industry, at Marischal College, Aberdeen: February 22nd, *Lecture*, "Ion Exchange in Crystals", by Professor R. M. Barrer; March 22nd, *Lecture*, "Chemistry in Relation to Soil Science", by Dr. W. T. H. Williamson; October 25th, *Lecture*, "Applications of Electric Dipole Moments to the Determination of Structure", by Dr. L. E. Sutton; November 15th, *Lecture*, "Mould Metabolic Products", by Professor A. Robertson; December 14th, *Lecture*, "The Trout's Habitat", by Mr. A. Dargie.

Birmingham. Joint meetings with the University Chemical Society, at the University: January 26th, *Lecture*, "The Structure of Recently Isolated Timber Extractives", by Professor F. E. King; March 16th, *Lecture*, "Some Recent Advances in the Chemistry of Fluorine Compounds", by Professor H. J. Emeléus; May 11th, *Lecture*, "Recent Developments and Applications of Infra-red Spectroscopy", by Dr. H. W. Thompson; October 26th, *Lecture*, "Some Aspects of Oxidation and Corrosion", by Dr. U. R. Evans; December 7th, *Lecture*, "Cortisone", by Professor C. W. Shoppee.

Bristol. Joint meetings with the local sections of the Royal Institute of Chemistry and the Society of Chemical Industry, at the University, unless otherwise stated: January 11th, *Lecture*, "Modern Laboratory Glass Apparatus", by Quickfit and Quartz; February 7th, at Gloucester Technical College, *Lecture*, "Some Aspects of Polysaccharide Chemistry", by Dr. J. K. N. Jones; February 8th, *Lecture*, "The Structural Relationships in the Group of Cell-wall Polysaccharides", by Professor E. L. Hirst; March 1st, *Lecture*, "Solid and Catalytic Reactions with Reference to the Practical Problems of Industry", by Professor W. E. Garner; March 15th, *Lecture*, "Recent Progress in the Study of Metal Oxidation and Corrosion", by Dr. W. H. J. Vernon; October 4th, *Lecture*, "Some Thoughts on Chemical Safety", by Mr. A. Webster; November 1st, *Lecture*, "Modern Applications of Analysis", by Mr. R. Belcher; November 22nd, *Lecture*, "Developments in Antibiotics", by Dr. B. K. Kelly; November 29th, at Gloucester Technical College, *Lecture*, "Recent Advances in Coal Science", by Dr. R. Gordon; December 6th, *Lecture*, "Chemical Engineering Applied to the Fertilizer Industry", by Mr. R. P. Ross.

Cambridge. Joint meeting with the University Chemical Society, in the University Chemical Laboratory: April 27th, *Centenary Lecture*, "Some Recent Advances in the Chemistry of Natural Products", by Professor R. B. Woodward.

Edinburgh. Joint meetings with the local sections of the Royal Institute of Chemistry and the Society of Chemical Industry, at the North British Station Hotel, unless otherwise

stated: January 18th, *Lecture*, "Some Problems in the Structure and Physical Properties of Industrial High Polymers", by Professor P. D. Ritchie; February 6th, joint also with the University Chemical Society, at the University, *Lecture*, "Application of Exothermic Solid Reactions to Jet Propulsion and Industrial Purposes", by Dr. J. Taylor; February 22nd, *Lecture*, "Some Aspects of Infra-red Measurements", by Dr. H. W. Thompson; March 15th, *Lecture*, "Some Observations on Materials of Construction for Chemical Plants", by Dr. N. P. Inglis; 18th October, *Lecture*, "Micro-Photography—The Production of Minute Photographs", by Dr. G. W. W. Stevens; 15th November, *Lecture*, "Life and Work of William Higgins", by Professor T. S. Wheeler; December 13th, *Lecture*, "The Assimilation of Amino-acids by Bacteria", by Dr. E. F. Gale.

Exeter. At the Washington Singer Laboratories: January 19th, *Meeting* for reading of papers; February 5th, *Lecture*, "The Chemistry of Carbon and Silicon", by Professor E. D. Hughes; March 10th, joint meeting with the local sections of the Royal Institute of Chemistry and the Society of Chemical Industry, *Discussion*, "Training of Scientists"; September 27th to 29th, Joint meeting with the British Society of Rheology, *Conference*, "The Rheology of Films and Surfaces"; November 23rd, joint meeting with the local sections of Royal Institute of Chemistry and the Society of Chemical Industry, *Lecture*, "Recent Work on Inorganic Oxides", by Dr. J. S. Anderson.

Glasgow. January 19th, at the University, *Lecture*, "Positive Ions in Aromatic Substitutions", by Professor C. K. Ingold; February 16th, at the Royal Technical College, Annual General Meeting and *Meeting* for reading of papers; May 11th, at the University, *Centenary Lecture*, "Some Recent Advances in the Chemistry of Natural Products", by Professor R. B. Woodward; October 26th, at the University, joint meeting with Alchemists' Club and Andersonian Chemical Society, *Lecture*, "Chemicals as a Source of Energy, with Special Reference to Industrial Applications and to Jet Propulsion", by Dr. J. Taylor; November 16th, at the Royal Technical College, *Lecture*, "Aluminium Halide as a Reagent in Organic Chemistry", by Dr. G. Baddeley.

Hull. At University College: February 1st, joint meeting with University College Scientific Society, *Lecture*, "The Comparative Chemistry of Carbon and Silicon", by Professor E. D. Hughes; March 1st, Official Meeting of the Society and *Tilden Lecture*, "Atoms and Radicals in Aqueous Solution", by Professor F. S. Dainton; October 25th, *Lecture*, "Some Methods of Measuring Reaction Velocities in Solution", by Mr. R. P. Bell; November 22nd, *Lecture*, "The Structural Chemistry of Colchicine and Some of its Biological Properties", by Professor J. W. Cook.

Irish Republic. March 9th, at Trinity College, Dublin, joint meeting with the Werner Society, *Lecture*, "The Structure of Macrozamin", by Dr. B. Lythgoe; at University College, Dublin, March 14th, joint meeting with the Institute of Chemistry of Ireland, *Lecture*, "The Production and Applications of Radioactive Isotopes", by Mr. S. H. Bales, and March 28th, *Lecture*, "William Higgins, 1763–1825", by Professor T. S. Wheeler; joint meetings with the Institute of Chemistry of Ireland, the Royal Institute of Chemistry, and the Society of Chemical Industry, at Trinity College, Dublin, University College, Cork, and University College, Galway, on April 4th, 6th, and 9th, respectively, *Lecture*, "Humour and Humanism in Chemistry", by Professor J. Read; at Trinity College, Dublin: May 21st, *Centenary Lecture*, "Some Recent Advances in the Chemistry of Natural Products", by Professor R. B. Woodward; May 25th, joint meeting with the Werner Society, *Lecture*, "Electron-transfer Reactions", by Professor M. G. Evans; November 9th, joint meeting with the Werner Society, *Lecture*, "Reactions of Hydrocarbon Radicals", by Professor C. E. H. Bawn; December 12th, *Lecture*, "Novel Cytotoxic Agents", by Dr. F. L. Rose.

Leeds. At the University: January 16th, *Centenary Lecture*, "Structure and Enzymic Breakdown of Proteins", by Professor Dr. K. Linderstrøm-Lang; April 24th, joint meeting with the University Chemical Society, display of scientific films and *Lecture*, "The Use of Optically Active Compounds in the Study of Organic Reactions", by Dr. J. Kenyon; October 23rd, *Royal Institute of Chemistry Lecture*, "Rockets and Chemistry", by Dr. J. G. A. Griffiths; November 5th, *Royal Institute of Chemistry Lecture*, "The Ubiquitous Chemist", by Mr. H. W. Cremer; November 22nd, Official Meeting of the

Society and *Tilden Lecture*, "Some Recent Developments in the Chemistry of Free-radical Reactions in Solution", by Professor D. H. Hey. Fellows were invited to all meetings of the Royal Institute of Chemistry, Leeds Area Section, as well as those organised by other bodies.

Liverpool. At the University: joint meetings with the local sections of the Royal Institute of Chemistry, the Society of Chemical Industry and the British Association of Chemists, January 25th, *Lecture*, "The Mammary Gland as a Factory", by Professor H. D. Kay, February 8th, *Lecture*, "Some Recent Developments in Photochemistry", by Professor R. G. W. Norrish, and March 8th, *Lecture*, "Polyacetylenes", by Professor E. R. H. Jones; May 17th, *Centenary Lecture*, "Some Recent Advances in the Chemistry of Natural Products" by Professor R. B. Woodward; October 25th, joint meeting with the local sections of the Royal Institute of Chemistry, the Society of Chemical Industry and the British Association of Chemists, *Lecture*, "Some Recent Work on Large-ring Compounds", by Professor W. Baker; December 6th, *Lecture*, "New Developments in Methods for following Fast Chemical Reactions", by Professor H. W. Melville.

Manchester. At the University, unless otherwise stated: February 15th, *Meeting* for reading of papers; March 15th, *Symposium*, "The Chemistry of Cell Division" (meeting abandoned after morning session); May 16th, *Centenary Lecture*, "Some Recent Advances in the Chemistry of Natural Products", by Professor R. B. Woodward; October 18th, joint meeting with the local sections of the Royal Institute of Chemistry and the Society of Chemical Industry, *Lecture*, "Some Problems in the Oxidation of Hydrocarbons", by Professor A. R. Ubbelohde; November 1st, *Meeting* for reading of papers; November 14th, at the College of Technology, joint meeting with the local sections of the Royal Institute of Chemistry and the Society of Chemical Industry, *Lecture*, "Anatomy of the Chemist", by Dr. T. S. Stevens; November 21st, joint meeting with the Institute of Physics, *Lecture*, "Some Modern Aspects of Molecular Interaction", by Professor A. Michels; December 7th, at the Engineers' Club, joint meeting with the local sections of the Royal Institute of Chemistry and the Society of Chemical Industry, *Lecture*, "Scientific Problems in D.S.I.R.", by Sir Ben Lockspeiser.

Newcastle and Durham. At King's College, Newcastle-on-Tyne, unless otherwise stated: January 22nd, *Centenary Lecture*, "Structure and Enzymic Breakdown of Proteins", by Professor Dr. K. Linderstrøm-Lang; February 23rd, *Bedson Club Lecture*, "Metabolic Products of Moulds", by Professor A. Robertson; March 2nd, *Meeting* for reading of papers; May 9th, *Centenary Lecture*, "Some Recent Advances in the Chemistry of Natural Products", by Professor R. B. Woodward; May 11th, *Bedson Club Lecture*, "Some Applications of the Isotope Technique to the Study of Cell Metabolism", by Professor H. A. Krebs; October 26th, *Bedson Club Lecture*, "Recent Advances in the Chemistry of Insulin", by Professor A. C. Chibnall; November 9th, *Meeting* for reading of papers; November 21st, at the Science Building, South Road, Durham, joint meeting with the local sections of the Royal Institute of Chemistry and the Society of Chemical Industry, *Lecture*, "The Structural Chemistry of Colchicine", by Professor J. W. Cook; November 23rd, *Bedson Club Lecture*, "The Transfer of Hydrogen between Organic Compounds", by Professor R. P. Linstead. Fellows were invited to the meetings of the Bedson Club.

North Wales. Joint meetings with the University College of North Wales Chemical Society, at University College of North Wales, Bangor: February 1st (with the University of Liverpool Chemical Society), *Lecture*, "What is a Chemical Bond?" by Professor C. A. Coulson; May 3rd, *Lecture*, "Oxidation", by Professor M. G. Evans; November 8th, *Lecture*, "New Methods of following the Course of Chemical Reactions", by Professor H. W. Melville; December 6th (with the local section of the Royal Institute of Chemistry), *Lecture*, "Chemistry and Atomic Power", by Dr. R. Spence.

Northern Ireland. At Belfast, joint meetings with the local sections of the Royal Institute of Chemistry and the Society of Chemical Industry, unless otherwise stated: January 10th, *Lecture*, "The Photographic Image", by Dr. H. R. Wright; February 7th, joint meeting with the local section of the Royal Institute of Chemistry and the Plastics Group of the Society of Chemical Industry, *Lecture*, "A New Monomer: Acenaphthylene,

its Polymers and Co-polymers", by Mr. A. Fowler Williams and Mr. M. Kaufman; March 21st, *Lecture*, "Some Effects of the Alteration of the Thyroid Function on the Growth and Development of Farm Animals", by Mr. K. Robinson and Mr. W. Brown; April 5th, *Lecture*, "48 Years in the Profession of Chemistry", by Mr. R. F. Innes; September 14th, *Lecture*, "Recent Developments in the Chlorination of Water", by Mr. H. Pirie; October 23rd, joint meeting with The Andrews Club, *Lecture*, "Polyacetylenes", by Professor E. R. H. Jones; October 24th, *Lecture*, "An Innocent Scientist Abroad", by Dr. C. L. Wilson; November 13th, *Lecture*, "The Organic Chemist's Approach to the Chemotherapy of Tuberculosis", by Dr. V. C. Barry; December 14th, *Lecture*, "The Industrial Utilisation of Agricultural By-products", by Dr. F. N. Woodward.

Nottingham. At the University, joint meetings with the University Chemical Society, unless otherwise stated: February 8th, *Lecture*, "Organic Syntheses at Anodes", by Professor R. P. Linstead; February 22nd, *Lecture*, "The Breakdown of Macromolecules", by Professor H. W. Melville; May 4th, *Centenary Lecture*, "Some Recent Advances in the Chemistry of Natural Products", by Professor R. B. Woodward; November 6th, at University College, Leicester, joint meeting with the University College Chemical Society, *Lecture*, "Molecular Compounds", by Mr. H. M. Powell; November 8th, *Lecture*, "Some Problems concerning the Synthesis of Carbohydrates by Plants", by Professor E. L. Hirst; November 22nd, *Lecture*, "Reactions of Hydrocarbon Radicals", by Professor C. E. H. Bawn.

Oxford. Fellows were invited to the following Alembic Club Lectures held in the Physical Chemistry Laboratory: October 22nd, *Lecture*, "Some Equilibria and Reactions of Sulphur", by Dr. G. Gee; November 5th, *Lecture*, "Steric Retardation and Steric Acceleration", by Professor E. D. Hughes; November 26th, *Lecture*, "Chemistry and Atomic Power", by Dr. R. Spence.

St. Andrews and Dundee. At United College, St. Andrews, unless otherwise stated: January 12th, joint meeting with St. Andrews University Chemical Society, *Lecture*, "The Synthesis of Some Natural Products by means of Acetylenic Compounds", by Dr. R. A. Raphael; January 18th, at University College, Dundee, *Lecture*, "Some Physical Properties Associated with π -Electrons", by Professor A. R. Ubbelohde; January 26th, joint meeting with St. Andrews University Chemical Society, *Lecture*, "A Chemist in Industry", by Mr. R. S. Lumsden; February 8th, at University College, Dundee, joint meeting under the auspices of the British Association (Dundee) Trust, *Lecture*, "Radio Waves from the Sun and Stars", by Sir Edward Appleton; February 9th, joint meeting with St. Andrews University Chemical Society, *Lecture*, "The Formation and Reactions of Free Radicals produced by Photo-excitation", by Professor M. G. Evans; February 15th, at University College, Dundee, *Lecture*, "Structural Chemistry", by Professor W. Wardlaw; February 23rd, joint meeting with St. Andrews University Chemical Society, *Lecture*, "Some Recent Aspects of Infra-red Measurements", by Dr. H. W. Thompson; March 2nd, *Lecture*, "Analysis of Proteins and Amino-Acids", by Professor H. D. Springall; Joint meetings with the St. Andrews University Chemical Society: April 13th, *Lecture*, "Laboratory Animals: their Uses and Productions", by Mr. A. L. Bacharach, April 27th, *Lecture*, "Whence come Meteorites? Views Ancient and Modern" by Professor F. A. Paneth; October 19th, *Lecture*, "William Davidson, 'Nobilis Scotus': a Romance of 17th-century Chemistry", by Professor John Read; November 28th, *Lecture*, "Scientific Aids in Criminal Investigation", by Professor F. G. Tryhorn; November 14th, *Lecture*, "William Higgins (1763-1825): His Life and Work", by Professor T. S. Wheeler; November 16th, *Lecture*, "The Transfer of Hydrogen between Organic Compounds", by Professor R. P. Linstead.

Sheffield. At the University: January 15th, *Centenary Lecture*, "Structure and Enzymic Breakdown of Proteins", by Professor Dr. K. Linderstrøm-Lang; joint meetings with the University Chemical Society: February 1st, "Catalysed Oxidations", by Professor C. E. H. Bawn, March 1st, *Lecture*, "The Chemistry of Extractives from Hard Woods", by Professor F. E. King, May 3rd, *Lecture*, "Oxide Catalysts", by Professor W. E. Garner; October 11th, joint meeting with the local section of the Royal Institute of Chemistry, *Lecture*, "Colour Photography", by Dr. H. Baines; joint meetings with the

University Chemical Society: November 8th, *Lecture*, "The Synthesis of Sugars", by Dr. J. K. N. Jones, November 29th, *Lecture*, "Natural Complex Pyrylium Bases", by Professor A. Robertson.

Southampton. At University College, Southampton, unless otherwise stated: January 26th, joint meeting with University College Chemical and Physical Societies and the Mid-Southern Counties Section of the Royal Institute of Chemistry, *Lecture*, "Neutron Diffraction by Crystals", by Professor K. Lonsdale; February 23rd, joint meeting with University College Chemical Society, *Lecture*, "What is a Chemical Bond?", by Professor C. A. Coulson; October 30th, joint meeting with the Portsmouth and District Chemical Society at the Municipal College, Portsmouth, *Lecture*, "Nitration and Nitrating Agents", by Professor C. K. Ingold; joint meetings with the University College Chemical Society: November 2nd, *Lecture*, "The Chemistry of Co-enzyme-A", by Dr. J. Baddiley; November 16th, *Lecture*, "The Modern Theory of Aromatic Systems", by Dr. H. C. Longuet-Higgins; December 7th, *Lecture*, "Some Recent Developments in the Chemistry of the Heaviest Elements", by Dr. J. S. Anderson.

South Wales. At University College, Cardiff, January 26th, joint meeting with the University College Chemical Society, *Lecture*, "Homolytic Aromatic Substitution", by Professor D. H. Hey; at University College, Swansea, February 2nd, joint meeting with the University College Chemical Society, *Lecture*, "What is a Chemical Bond?", by Professor C. A. Coulson; at University College, Cardiff, March 1st, joint meeting with the University College Chemical Society, *Lecture*, "Some Naturally Occurring Derivatives of Tropolones", by Professor A. R. Todd; at University College, Swansea, March 2nd, joint meeting with the University College Chemical Society and the local section of the Royal Institute of Chemistry, *Lecture*, "Some Naturally Occurring Derivatives of Tropolones", by Professor A. R. Todd; at University College, Cardiff, March 8th, joint meeting with the University College Chemical Society, *Lecture*, "Some Aspects of Infra-red Measurements in Chemistry", by Dr. H. W. Thompson; at University College, Swansea, October 26th, joint meeting with the University College Chemical Society and the local section of the Royal Institute of Chemistry, *Lecture*, "Electrochemical Aspects of Colloid Science", by Mr. D. C. Henry; at University College, Swansea, November 9th, Official *Meeting* for reading of papers.

APPENDIX B.

ANNUAL REPORT OF THE JOINT LIBRARY COMMITTEE FOR THE YEAR 1951.

The increasing volume of work in the Library during the year is reflected in the figures given below.

Photostat copies were supplied from 4113 printed pages, compared with 3952 in 1950. Attendances by readers numbered 10,489, against 10,415 in 1950, and books issued increased by 797, to a total for the year of 9091, of which 3795 were issued by post, against 3284 the previous year. Telephone enquiries again showed an increase, reaching a total of 2517 for the year. In the period under review, 358 books were added to the Library, 94 of which were presented. The number of complete volumes of periodicals added was 712, and 360 pamphlets were also added. The total number of volumes in the Library is now 52,644, of which 16,153 are books and 36,491 are complete volumes of periodicals. Satisfactory progress has been made with the binding of volumes which, owing to the war, had to wait until materials were available.

	Attendances.	Books borrowed.	Additions		
			Books.	Volumes of Periodicals.	Pamphlets
1951	10,489	9091 (3795 by Post)	358	712	360
1950	10,415	8294 (3284 by Post)	422	898	233

The Committee sustained a serious loss during the year owing to the untimely death of its Chairman, Dr. H. E. Cox, whose untiring services have been of such benefit to the Library. A further loss to the Committee occurred in the death of Professor A. J. Allmand.

The Committee has appointed a Publications Exchange Sub-Committee to consider requests received by the various Societies for the exchange of publications, in order to achieve co-ordination in such exchanges.

Visits to the Library have included one from an Indian Librarian studying library systems in this country, and also from students in Librarianship from a London College.

Serious difficulties over accommodation for books will again shortly have to be faced. Extensive rearrangement is in hand, and some temporary shelving erected in the basement stores and in the smaller Library Annexe will give slight and temporary alleviation, but the question will soon need further serious consideration.

Presentation copies of books from Publishers, Fellows, and others have again given much pleasure, and the Committee records its sincere thanks to all donors.

INCOME AND EXPENDITURE ACCOUNTS FOR THE YEAR ENDED 31ST DECEMBER, 1951.

LIBRARY.

1950		1951		1950		1951	
£	s. d.	£	s. d.	£	s. d.	£	s. d.
2725	1 10	2334	8 9	1307	0 11	1676	14 6
300	0 0	300	0 0	1644	8 5	898	14 6
				73	12 6	59	19 9
	3025		2634		1 10		2634
	1 10		8 9				8 9
724	12 7	750	13 0	3017	14 2	3393	14 11
1646	13 2	1704	14 11	288	6 4	310	5 0
606	2 4	627	17 7	77	9 7	72	15 5
169	6 2	176	7 8	336	12 3	273	6 2
115	2 7	119	5 3	146	17 9	206	11 4
125	5 8	129	15 8	105	10 0	126	0 3
371	11 7	676	19 9				
	3787		4184		10 1		4381
	14 1		13 10				13 1
100	0 0						
50	0 0	100	0 0				
10	10 0	50	0 0				
54	6 0	56	9 3				
	214		196				
	16 0		19 3				
	<u>£6987</u>		<u>£7016</u>		<u>£6987</u>		<u>£7016</u>
	11 11		1 10		11 11		1 10

• Other than those received in exchange.

INCOME AND EXPENDITURE ACCOUNTS FOR THE YEAR ENDED 31ST DECEMBER, 1951.

SPECIAL RESERVE FUND.

		Income.		1951		1950		Expenditure.		1951			
		£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
Dividends on Investments		206	2	2	106	12	0	286	12	2	115	8	5
Deposit Interest		8	12	6	8	16	5						
Income Tax recovered, 1949		71	17	6									
Income Tax recovered, 1949													
Balance, being Excess of Income over Expenditure, carried to Balance Sheet													
		£286	13	2	£115	8	5	£286	12	2	£115	8	5

SPECIAL PUBLICATIONS FUND.

		Income.		1951		1950		Expenditure.		1951			
		£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
Sales of Publications		30	1	11	1829	3	4				1353	0	6
Dividends on Investments		69	18	2	69	18	2	6	10	0	129	2	6
Income Tax recovered, 1949		15	14	6									
Deposit Interest		14	7	0	19	7	11	123	11	7	436	6	6
Balance, being Excess of Income over Expenditure, carried to Balance Sheet													
		£130	1	7	£1918	9	5	£130	1	7	£1918	9	5

STAFF PENSIONS FUND.

		Income.		1951		1950		Expenditure.		1951			
		£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
Transfer from General Purposes Account		300	0	0	800	0	0				965	0	0
Dividends on Investments		95	14	4	95	14	4	5	11	6	5	8	11
Income Tax recovered, 1949		4	11	8									
Deposit Interest		11	3	6	8	6	6						
Balance, being Excess of Expenditure over Income, carried to Balance Sheet		559	2	0	66	8	1						
		£970	11	6	£970	8	11	£970	11	6	£970	8	11

INCOME AND EXPENDITURE ACCOUNTS FOR THE YEAR ENDED 31ST DECEMBER, 1951.

CENTENARY FUND.

		Income.		1951		1950		Expenditure.		1951	
		£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.
Dividends on Investments	...	529	5 6	555	17 6	393	16 1	Expenses of Lecturers & Delegates	...	1287	16 8
Income Tax recovered, 1949	...	106	4 6	---	---	38	18 0	Miscellaneous	...	30	11 10
Balance, being Excess of Expenditure over Income, carried to Balance Sheet	...	---	---	732	11 0	202	15 11	Balance, being Excess of Income over Expenditure, carried to Balance Sheet	...	---	---
		<u>£635 10 0</u>		<u>£1288 8 6</u>		<u>£635 10 0</u>				<u>£1288 8 6</u>	

CORDAY-MORGAN MEDAL AND PRIZE FUND.

		Income.		1951		1950		Expenditure.		1951	
		£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.
Dividends on Investments	...	98	12 3	274	15 10	7	10 0	Prize, 1949	...	157	10 0
Deposit Interest	...	---	---	1	9 7	24	1 1	Medal, 1949	...	7	10 0
		<u>£99 5 2</u>		<u>£276 5 5</u>		<u>£24 1 1</u>		Miscellaneous	...	30	16 6
						67	14 1	Balance, being Excess of Income over Expenditure, carried to Balance Sheet	...	80	8 11
						<u>£99 5 2</u>				<u>£276 5 5</u>	

CORDAY-MORGAN MEMORIAL FUND.

		Income.		1951		1950		Expenditure.		1951	
		£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.
Dividends on Investments	...	168	19 11	453	13 6	58	16 6	Grant to the Corday-Morgan Memorial Fund Executive	...	400	0 0
Deposit Interest	...	6	17 7	4	2 8	45	8 3	Memorial Expenses (Clause 12 of the Will)	...	2	2 0
		<u>£175 7 8</u>		<u>£457 16 2</u>		<u>£103 14 9</u>		Miscellaneous	...	32	19 1
						61	12 9	Balance, being Excess of Income over Expenditure, carried to Balance Sheet	...	2	15 1
						<u>£175 7 8</u>				<u>£437 16 2</u>	

INCOME AND EXPENDITURE ACCOUNTS FOR THE YEAR ENDED 31ST DECEMBER, 1951.

FARADAY LECTURE FUND.

1950		1951		1950		1951	
£	s. d.	£	s. d.	£	s. d.	£	s. d.
13	8	16	8	25	0	25	0
3	9	—	—	3	17	10	—
11	0	—	—	1	0	6	—
£29 18 8		£15 8 8		£29 18 8		£15 8 8	
<i>Income.</i>				<i>Expenditure.</i>			
Dividend on Investment	...	...	...	Honorarium	...	...	...
Income Tax recovered, 1949	...	...	...	Faraday Medal	...	...	...
Balance, being Excess of Expenditure over Income, carried to Balance Sheet	...	...	...	Miscellaneous	...	...	...
	...	...	...	Balance, being Excess of Income over Expenditure, carried to Balance Sheet	...	...	...

ROBERT JOHN FLINTOFF TRUST.

1950		1951		1950		1951	
£	s. d.	£	s. d.	£	s. d.	£	s. d.
26	9	34	13	1	6	6	—
—	—	3	3	25	3	5	—
26	9	37	16	26	9	11	—
£26 9 11		£37 16 9		£26 9 11		£37 16 9	
<i>Income.</i>				<i>Expenditure.</i>			
Dividends on Investments	...	...	...	Miscellaneous	...	...	...
Miscellaneous	...	...	...	Balance, being Excess of Income over Expenditure, carried to Balance Sheet	...	...	...

EDWARD FRANK HARRISON MEMORIAL TRUST FUND.

1950		1951		1950		1951	
£	s. d.	£	s. d.	£	s. d.	£	s. d.
46	16	46	16	15	15	0	—
10	1	—	—	14	6	11	—
—	—	80	10	26	15	11	—
£56 17 10		£127 6 10		£56 17 10		£127 6 10	
<i>Income.</i>				<i>Expenditure.</i>			
Dividends on Investments	...	...	...	Harrison Prize	...	...	...
Income Tax recovered, 1949	...	...	...	Harrison Plaque	...	...	...
Balance, being Excess of Expenditure over Income, carried to Balance Sheet	...	...	...	Miscellaneous	...	...	...
	...	...	...	Balance, being Excess of Income over Expenditure, carried to Balance Sheet	...	...	...

INCOME AND EXPENDITURE ACCOUNTS FOR THE YEAR ENDED 31ST DECEMBER, 1951.

RESEARCH FUND.

1950		1951		1950		1951		
£	s.	d.	£	s.	d.	£	s.	d.
625	8	10	749	16	0	877	15	0
137	6	11	—	—	—	—	—	—
3	0	0	—	6	0	—	—	—
73	11	10	77	0	1	41	6	9
79	11	2	19	3	6	—	—	—
£919	1	9	£846	5	7	£919	1	9
<hr/>			<hr/>			<hr/>		
<i>Income.</i>			<i>Expenditure.</i>					
Dividends on Investments	...	...	Grants awarded	...	...	Honorarium	...	...
Income Tax recovered, 1949	...	...	Honorarium, Longstaff Medalist	...	...	Lecture Expenses	...	...
Deposit Interest	...	...	Longstaff Medal	...	...	Miscellaneous	...	...
Grants repaid or not claimed	...	...	Miscellaneous	...	...	Balance, being Excess of Income over Expenditure, carried to Balance Sheet	...	...
Balance, being Excess of Expenditure over Income, carried to Balance Sheet	...	...				
£919	1	9	£846	5	7	£919	1	9
<hr/>			<hr/>			<hr/>		

SPECIAL LECTURES FUND.

1950		1951			
£	s.	d.	£	s.	d.
46	17	0	48	9	5
10	10	9	—	—	—
£57	7	9	£48	9	5
<hr/>			<hr/>		
<i>Income.</i>			<i>Expenditure.</i>		
Dividend on Investment	...	...	Honorarium	...	...
Income Tax recovered, 1949	...	...	Lecture Expenses	...	...
Balance, being Excess of Expenditure over Income, carried to Balance Sheet	...	...	Miscellaneous	...	...
£57	7	9	£48	9	5
<hr/>			<hr/>		

TILDEN LECTURE FUND.

1950		1951			
£	s.	d.	£	s.	d.
67	10	8	67	10	8
19	10	1	—	—	—
3	0	0	3	3	0
—	—	—	3	15	9
£87	3	9	£71	7	8
<hr/>			<hr/>		
<i>Income.</i>			<i>Expenditure.</i>		
Dividends on Investments	...	...	Honoraria	...	...
Income Tax recovered, 1949	...	...	Lecture Expenses	...	...
Deposit Interest	...	...	Miscellaneous	...	...
Balance, being Excess of Expenditure over Income, carried to Balance Sheet	...	...	Balance, being Excess of Income over Expenditure, carried to Balance Sheet	...	...
£87	3	9	£71	7	8
<hr/>			<hr/>		

THE CHEMICAL SOCIETY

BALANCE SHEETS, 31st December, 1951.

GENERAL PURPOSES.

1950		1951		1950		1951	
£	s. d.	£	s. d.	£	s. d.	£	s. d.
14,664	6 1	10,968	17 0	28,996	12 2	29,166	15 6
8772	7 7	10,359	2 4	13,678	5 0	10,482	16 10
3236	16 1	7468	12 6	300	0 0	—	—
—	—	13,800	0 0	2451	17 0	—	—
—	—	700	0 0	5179	7 2	—	—
26,673	9 9	43,296	11 10				
24,026	2 11	23,932	11 7				
113	13 4	42	13 0				
24,139	16 3	23,975	4 7				
207	4 8	—	—				
23,932	11 7	23,975	4 7				
—	—	151	8 0				
—	—	24,126	12 7				
—	—	£67,423	4 5				
—	—	£50,606	1 4				
		£67,423	4 5				
		£50,606	1 4				

Liabilities.

Assets.

Sundry Creditors:
 Printing and Miscellaneous
 Fellowship Subscriptions in advance
 Publications sold in advance
 Special Reserve Fund... ..
 Provision for Special Purposes... ..
 Excess of Assets over Liabilities as per last Balance Sheet
 Add Life Composition Fees
 Deduct Excess of Expenditure over Income for year
 Add Excess of Income over Expenditure for year

Investments as per Schedule (cost or value when acquired)
 Sundry Debtors
 Subscriptions in Arrear estimated to realise
 Stock of Paper (Journal, Annual Reports, and Quarterly Reviews)... ..
 Cash at Bank (including Deposit) and in hand

Note.—No provision has been made for any contribution which may be required towards meeting the accumulated deficiency of the Bureau of Abstracts.

BALANCE SHEETS, 31ST DECEMBER, 1951.

1950		1951		1950		1951	
£	s. d.	£	s. d.	£	s. d.	£	s. d.
14	14	15	11	14	14	15	11
10,978	19	10,978	19	10,978	19	10,978	19
<u>£10,993 14 2</u>		<u>£10,994 10 7</u>		<u>£10,993 14 2</u>		<u>£10,994 10 7</u>	
				<i>Liabilities.</i>			
				PUBLICATIONS FUND.			
				<i>Assets.</i>			
				SPECIAL RESERVE FUND.			
				<i>Liabilities.</i>			
				PUBLICATIONS FUND.			
				<i>Assets.</i>			

Sundry Creditors ...	15	11	0	Sundry Debtors ...	15	11	0
Excess of Assets over Liabilities as per last Balance Sheet ...	10,978	19	7	Investments as per Schedule (cost or value when acquired) ...	10,978	19	7
<u>£10,993 14 2</u>				<u>£10,994 10 7</u>			

Publications Reserve: As per last Balance Sheet ...	85	0	7	Sundry Debtors ...	13	800	0
Add Grant—The Chemical Council (for 1950 and earlier years) ...	9500	0	0	Investments as per Schedule (cost or value when acquired) ...	818	9	5
Library Reserve: As per last Balance Sheet ...	1309	17	8	Cash at Bank and on Deposit in London Trustee Savings Bank ...	330	18	8
Building and Equipment Reserve: As per last Balance Sheet ...	825	0	0				
Add Transfer General Purposes Account ...	2200	0	0				
Investments Reserve: Transfer General Purposes Account ...	3025	0	0				
General Purposes Reserve: Amount brought forward ...	2411	16	5				
Deduct Net Loss on transfer of Investments	—	—	—				
Add Excess of Income over Expenditure for year ...	2411	16	5				
	115	8	5				
	2411	16	5				
<u>£4631 14 8</u>				<u>£18,547 3 1</u>			

Publications Reserve: As per last Balance Sheet ...	85	0	7	Sundry Debtors ...	13	800	0
Add Grant—The Chemical Council (for 1950 and earlier years) ...	9500	0	0	Investments as per Schedule (cost or value when acquired) ...	818	9	5
Library Reserve: As per last Balance Sheet ...	1309	17	8	Cash at Bank and on Deposit in London Trustee Savings Bank ...	330	18	8
Building and Equipment Reserve: As per last Balance Sheet ...	825	0	0				
Add Transfer General Purposes Account ...	2200	0	0				
Investments Reserve: Transfer General Purposes Account ...	3025	0	0				
General Purposes Reserve: Amount brought forward ...	2411	16	5				
Deduct Net Loss on transfer of Investments	—	—	—				
Add Excess of Income over Expenditure for year ...	2411	16	5				
	115	8	5				
	2411	16	5				
<u>£4631 14 8</u>				<u>£18,547 3 1</u>			

Publications Reserve: As per last Balance Sheet ...	85	0	7	Sundry Debtors ...	13	800	0
Add Grant—The Chemical Council (for 1950 and earlier years) ...	9500	0	0	Investments as per Schedule (cost or value when acquired) ...	818	9	5
Library Reserve: As per last Balance Sheet ...	1309	17	8	Cash at Bank and on Deposit in London Trustee Savings Bank ...	330	18	8
Building and Equipment Reserve: As per last Balance Sheet ...	825	0	0				
Add Transfer General Purposes Account ...	2200	0	0				
Investments Reserve: Transfer General Purposes Account ...	3025	0	0				
General Purposes Reserve: Amount brought forward ...	2411	16	5				
Deduct Net Loss on transfer of Investments	—	—	—				
Add Excess of Income over Expenditure for year ...	2411	16	5				
	115	8	5				
	2411	16	5				
<u>£4631 14 8</u>				<u>£18,547 3 1</u>			

BALANCE SHEETS, 31ST DECEMBER, 1951.

SPECIAL PUBLICATIONS FUND.

1950		1951		1950		1951	
£	s. d.	£	s. d.	£	s. d.	£	s. d.
2895	4 8	2948	16 3	107	7 11	2011	19 10
123	11 7	436	6 6	2011	19 10	2011	19 10
		3385	2 9	1226	12 0	1709	1 8
		£3369	8 8	£3883	7 4	£3883	7 4
Liabilities.				Assets.			
Sundry Creditors	...	Sundry Debtors	...	Cumulative Index to the Annual Reports, 1904-1949 (Preliminary Expenses)	...	Investments as per Schedule (cost or value when acquired)	...
Excess of Assets over Liabilities as per last Balance Sheet	...	Balance Sheet	...	Cash at Bank and on deposit in the Post Office Savings Bank and London Trustee Savings Bank	...		...
Add Excess of Income over Expenditure for year	...		...		...		...

STAFF PENSIONS FUND.

1950		1951		1950		1951	
£	s. d.	£	s. d.	£	s. d.	£	s. d.
4681	16 9	4122	13 9	3726	6 0	526	19 3
559	2 0	66	8 1	526	19 3	235	3 8
		4122	13 9	4056	5 8	£4061	9 8
		£4253	5 3	£4061	9 8	£4253	5 3
Liabilities.				Assets.			
Sundry Creditors	...	Sundry Debtors	...	Investments as per Schedule (cost or value when acquired)	...	Cash at Bank and on deposit in the Post Office Savings Bank	...
Excess of Assets over Liabilities as per last Balance Sheet	...	Balance Sheet	...		...		...
Deduct Excess of Expenditure over Income for year	...		...		...		...

CENTENARY FUND.

1950		1951		1950		1951	
£	s. d.	£	s. d.	£	s. d.	£	s. d.
17,832	6 8	20,331	14 6	18,898	3 4	21,198	3 4
2,999	7 10	2645	16 7	---	---	732	11 0
		22,977	11 1	---	---	323	7 2
120	11 3	---	---	1,396	0 11	---	---
202	15 11	---	---	---	---	---	---
		823	7 2	---	---	---	---
		£20,890	7 10	£20,890	7 10	£23,005	6 11
Liabilities.				Assets.			
Sundry Creditors	...	Sundry Debtors	...	Investments as per Schedule (cost or value when acquired)	...	Income Account	...
Capital Account	...	Balance Sheet	...	Excess of Expenditure over Income for year	...	Deduct Accumulated Income	...
Add Contributions under Deeds and Donations for year	...		...		...		...
Income Account	...		...		...		...
Amount brought forward	...		...		...		...
Add Excess of Income over Expenditure for year	...		...		...		...

BALANCE SHEETS, 31ST DECEMBER, 1951.

CORDAY-MORGAN MEDAL AND PRIZE FUND.

		<i>Liabilities.</i>		<i>Assets.</i>	
	1950	1951	1950	1951	1951
£	s. d.	£	s. d.	£	s. d.
4985	17 9	4985	17 9	Sundry Debtors	75 0 3
—	—	—	—	Investments as per Schedule	6860 14 9
—	—	—	—	Cash at Bank (including Deposit)	347 7 4
598	13 9	5887	10 9		
631	10 9	—	—		
1230	4 6	—	—		
188	8 0	—	—		
1041	16 6	—	—		
67	14 1	—	—		
£6100 8 7		£1381 16 4		£7283 2 4	
Income Account:					
As per last Balance Sheet	1109 10 7				
Add Received from Public Trustee	191 15 10				
Income Tax recovered	—				
	1301 6 5				
Deduct Cost of Design of Medal	—				
Add Excess of Income over Expenditure for year	80 8 11				
	1381 16 4				
£6100 8 7		£7283 2 4		£6100 8 7	

CORDAY-MORGAN MEMORIAL FUND.

		<i>Liabilities.</i>		<i>Assets.</i>	
	1950	1951	1950	1951	1951
£	s. d.	£	s. d.	£	s. d.
8513	17 6	8513	17 6	Sundry Debtors	119 0 0
1047	13 9	10,090	2 8	Investments as per Schedule	12,232 1 8
1095	0 11	—	—	Cash at Bank	279 9 11
2142	14 8	—	—		
—	—	—	—		
2142	14 8	—	—		
61	13 9	—	—		
£10,752 6 0		£12,630 11 4		£12,630 11 4	
Income Account:					
As per last Balance Sheet	2204 7 5				
Add Received from Public Trustee	353 19 5				
Income Tax recovered	—				
	2558 6 10				
Deduct Income Tax charged on Memorial Expenses, 1950	48 2 7				
Add Excess of Income over Expenditure for year	2510 4 3				
	2512 19 4				
£10,752 6 0		£12,630 11 4		£12,630 11 4	

BALANCE SHEETS, 31ST DECEMBER, 1951.

FARADAY LECTURE FUND.

	1950		1951		1951	
	£	s. d.	£	s. d.	£	s. d.
<i>Liabilities.</i>						
Sundry Creditors	483	17	0	489	4	0
Excess of Assets over Liabilities as per last Balance Sheet	—	—	—	34	11	9
Add Excess of Income over Expenditure for year	—	—	—	472	16	10
	—	—	—	14	13	3
Deduct Excess of Expenditure over Income for year	11	0	2	487	10	1
	—	—	—	487	10	1
				£488	5	6
				£473	15	9
				£488	5	6

ROBERT JOHN FLINTOFF TRUST.

	1950		1951		1951	
	£	s. d.	£	s. d.	£	s. d.
<i>Assets.</i>						
Sundry Debtors	1003	17	2	1029	0	7
Investments as per Schedule (cost or value when acquired)	—	—	—	16	10	0
Cash at Bank	1003	17	2	22	11	1
	—	—	—	1012	10	7
Add Excess of Income over Expenditure for year	25	3	5	32	10	11
	—	—	—	1045	1	6
				£1046	10	4
				£1030	7	1
				£1046	10	4

EDWARD FRANK HARRISON MEMORIAL TRUST FUND.

	1950		1951		1951	
	£	s. d.	£	s. d.	£	s. d.
<i>Liabilities.</i>						
Sundry Creditors	1191	9	9	1101	7	11
Excess of Assets over Liabilities as per last Balance Sheet	—	—	—	119	14	8
Add Excess of Income over Expenditure for year	26	15	11	1318	5	8
	—	—	—	1218	5	8
Deduct Excess of Expenditure over Income for year	—	—	—	80	10	0
	—	—	—	1137	15	8
				£1140	2	6
				£1221	2	7
				£1140	2	6

£1140 2 6

SCHEDULE OF INVESTMENTS.

GENERAL PURPOSES.

Nominal Details.	Cost or Value when Acquired.		Market Value 31st December, 1951.	
	£	s. d.	£	s. d.
£2608 1s. 4d. 31% Conversion Loan, 1961, or after	2044	16 0	2139	19 5
£2408 2s. 6d. 3% Funding Loan, 1959/69	2429	11 5	2107	2 2
£2400 1s. 9d. 3% Savings Bonds, 1960/70	2418	11 0	2094	12 10
£2000 3% Savings Bonds, 1965/75	2006	4 5	1855	0 0
£1900 2% Defence Bonds	2006	4 5	1920	0 0
£1747 4s. 9d. 3% British Transport Guaranteed Stock, 1978/88	1704	9 8	3679	9 0
£2546 1s. 4d. 3% British Electricity Guaranteed Stock, 1968/73	2549	4 5	2138	13 11
£2400 3% Bessel Corporation Debenture Stock, 1957	2070	2 0	2256	0 0
£1550 3% London County Consolidated Stock, 1954/59	1639	2 6	1534	10 0
£2000 3% London County Consolidated Stock, 1962/67	2032	10 0	1740	0 0
£2500 3% Commonwealth of Australia Registered Stock, 1964/66	2509	7 6	2212	10 0
£A3000 3 1/4% Commonwealth of Australia Treasury Bonds, 1961/64	2552	16 7	2820	0 0
	£29,156	15 6	£25,607	10 4

PUBLICATIONS FUND.

£2800 19s. 8d. 3 1/4% Conversion Loan, 1961, or after	1566	16 4	1854	0 2
£1000 5% Savings Bonds, 1965/65	1000	0 0	920	0 0
£2281 1s. 11d. 3% Savings Bonds, 1960/70	2278	1 11	1972	16 2
£2175 13s. 8d. 3% British Transport Guaranteed Stock, 1978/88	1939	1 4	1686	2 10
£2000 3% British Electricity Guaranteed Stock, 1968/73	2002	10 0	1680	0 0
£1200 3% Commonwealth of Australia Registered Stock, 1964/66	1204	10 0	1062	0 0
£982 12s. 0d. 3% Southern Rhodesia Stock, 1971/73	1000	0 0	820	9 5
	£10,978	19 7	£9995	8 7

SPECIAL RESERVE FUND.

£1165 2 1/4% Funding Loan, 1956/61	1169	7 5	1080	10 9
£2687 10s. 9d. 3% Liverpool Corporation Stock, 1955/58	2647	2 0	2453	8 3
	£3816	9 5	£3533	19 0

SPECIAL PUBLICATIONS FUND.

£715 8s. 10d. 3 1/4% Conversion Loan, 1961, or after	641	2 4	586	13 3
£746 1s. 0d. 3% British Transport Guaranteed Stock, 1978/88	719	18 9	578	3 9
£750 3% British Electricity Guaranteed Stock, 1968/73	750	18 9	650	0 0
	£2011	19 10	£1794	17 0

STAFF PENSIONS FUND.

Nominal Details.	Cost or Value when Acquired.		Market Value 31st December, 1951.	
	£	s. d.	£	s. d.
£114 1s. 11d. 31% Conversion Loan, 1961, or after	88	2 3	93	11 2
£160 2 1/4% National War Bonds, 1951/53	150	0 0	150	0 0
£170 3% Savings Bonds, 1955/65	170	0 0	156	8 0
£815 2s. 7d. 2 1/2% Funding Loan, 1956/61	818	3 9	756	0 8
£2400 2 1/2% Defence Bonds	2500	0 0	2600	0 0
	£3726	6 0	£3655	19 10

CENTENARY FUND.

£2637 10s. 6d. 3 1/4% Conversion Loan, 1961, or after	2300	0 0	2162	15 5
£2477 13s. 11d. 3% Savings Bonds, 1955/65	2491	11 10	2279	13 9
£2500 3% Savings Bonds, 1960/70	2534	7 6	2181	5 0
£2279 13s. 0d. 3 1/4% Savings Bonds, 1964/67	2500	0 0	2300	0 9
£2279 13s. 0d. 3 1/4% British Transport Guaranteed Stock, 1978/88	2337	7 9	1766	14 4
£2500 3% British Electricity Guaranteed Stock, 1968/73	2498	8 9	2100	0 0
£1970 1s. 0d. 3% New Zealand Stock, 1973/77	2000	0 0	1625	5 10
£1716 15s. 2d. 3 1/4% Northern Ireland Stock, 1969/71	1700	0 0	1510	15 0
£A3500 3 1/4% Commonwealth of Australia Treasury Bonds, 1961/64	2936	7 6	3290	0 0
	£21,198	3 4	£19,216	10 1

CORDAY-MORGAN MEDAL AND PRIZE FUND.

£1398 5s. 4d. 3 1/4% War Stock, 1952, or after	1325	14 0	1132	11 11
£635 3s. 10d. 3% British Transport Guaranteed Stock, 1978/88	574	17 0	492	5 6
£208 5s. 0d. 4% Consolidated Stock, 1957, or after	213	9 4	185	12 6
£137 10s. 0d. 3 1/4% Bournemouth Corporation Stock Red., 1953/62	133	14 5	127	10 7
£208 5s. 0d. 4 1/2% Bristol Corporation Stock, 1952/62	208	16 7	208	1 0
£208 5s. 0d. 4 1/2% Hertfordshire County Council Stock, 1955/65	215	0 4	210	7 5
£300 3 1/4% Hertfordshire County Council Stock, 1954/59	297	15 0	294	0 0
£774 6s. 3d. 3% Federated Malay States Government Stock, 1975/80	690	5 4	603	19 3
£137 10s. 0d. 3% Federated Malay States Government Stock, 1960/70	120	6 3	112	15 0
£112 Barclays Bank (D. C. & O.) Ltd., "A" Ordinary £1 Stock Units	201	7 6	208	12 0
£172 Michells & Butlers, Ltd., Ordinary £1 Stock Units	713	16 0	494	10 0
£52 Imperial Tobacco Co. (G.B. & I.) Ltd., Ordinary £1 Shares	597	8 0	535	12 0
£240 Cardinal Investment Trust, Ltd., 3 1/4% Convertible Debenture Stock	263	5 0	239	4 0
£104 Commercial Union Assurance Co., Ltd., Ordinary £1 Stock Units	291	0 0	306	0 0
	1014	0 0	1144	0 0
	£3860	14 9	£3295	1 2

SCHEDULE OF INVESTMENTS.

CORDAY-MORGAN MEMORIAL TRUST FUND.

Nominal Details.	Cost or Value when Acquired.		Market Value 31st December, 1951.	
	£	s. d.	£	s. d.
£1650 2s. 5d. 3½% Conversion Loan, 1961, or after	1426	4 2	1254	14 0
£1973 16s. 11d. 3½% War Stock, 1952, or after	1880	1 10	1598	16 3
£477 1s. 10d. 3% British Electricity Guaranteed Stock, 1968/73	450	17 0	400	15 4
£1062 10s. 11d. 3% British Gas Guaranteed Stock, 1990/95	894	5 7	818	3 3
£217 12s. 6d. 3% London County Consolidated Stock, 1962/67	208	7 6	189	6 8
£1035 0s. 7d. 3% Redemption Stock, 1986/96	928	18 10	769	19 5
£1000 4% South Staffordshire Waterworks Red. Preference Stock, 1971	1046	10 6	1002	10 0
£300 4½% Hill Corporation Stock, 1952/72	303	15 0	303	0 0
£412 10s. 0d. 3% City of Plymouth Stock, 1964	405	5 7	406	6 3
£137 10s. 0d. 4½% Kenya Government Stock, 1961/71	148	16 11	141	12 6
£300 3% New Zealand Government Stock, 1952/55	298	10 0	294	0 0
£98 Barclays Bank, Ltd., "B" Ordinary £1 Stock Units	237	3 0	209	2 0
£206 Barclays Watford Brewery, Ltd., Ordinary £1 Shares	684	19 0	669	10 0
£206 H. & G. Simmonds, Ltd., Ordinary £1 Stock Units	824	0 0	695	5 0
£100 Imperial Tobacco (G.B. & I.) Ltd., Ordinary £1 Shares	506	5 0	469	0 0
£108 Thomas Tilling & Co., Ltd., Ordinary £1 Stock Units	107	6 6	137	14 0
£340 Alliance Trust, Ltd., 4½% Debenture Stock, 1956	344	5 0	326	8 0
£69 London & Lancashire Insurance Co., Ltd., Ordinary £1 Stock Units	448	10 0	465	16 0
£68 Phoenix Assurance Co., Ltd., Ordinary £1 Stock Units	1088	0 0	1173	0 0
	£12,232	1 6	£11,315	18 8

FARADAY LECTURE FUND.

£441 1s. 11d. 3½% Conversion Loan, 1961, or after	£439	4 0
	£361	14 0

ROBERT JOHN FLINTOFF TRUST.

£593 2s. 2d. 2½% Conversion Loan, 1961, or after	500	0 0
£545 18s. 4d. 3% British Transport Guaranteed Stock, 1978/88	500	0 0
	£1000	0 0

EDWARD FRANK HARRISON MEMORIAL TRUST FUND.

Nominal Details.	Cost or Value when Acquired.		Market Value 31st December, 1951.	
	£	s. d.	£	s. d.
£61 15s. 8d. 3½% Conversion Loan, 1961, or after	60	1 5	50	13 3
£1489 10s. 6d. 3% British Transport Guaranteed Stock, 1978/88	1051	6 6	1154	7 10
	£1101	7 11	£1205	0 10

RESEARCH FUND.		
£4177 16s. 1d. 3½% Conversion Loan, 1961, or after	3625	16 8
£500 3% Defence Bonds, 4th Issue	500	0 0
£1885 2½% Funding Loan, 1956/61	1835	0 0
£1500 3% Savings Bonds, 1955/65	1815	0 0
£4000 3% Savings Bonds, 1960/70	4060	0 0
£3765 2s. 1d. 3% British Transport Guaranteed Stock, 1978/88	3867	19 5
£3719 8s. 2d. 3% British Electricity Guaranteed Stock, 1968/73	3724	1 2
£4000 3% Commonwealth of Australia Registered Stock, 1964/66	4015	0 0
£1116 7s. 0d. 3% New Zealand Stock, 1973/77	1080	7 4
	£23,923	4 7

SPECIAL LECTURES FUND.

£1669 17s. 3d. 3% British Transport Guaranteed Stock, 1978/88	£1615	6 0
	£1294	2 10

TILDEN LECTURE FUND.

£419 4s. 10d. 3% Funding Loan, 1959/69	386	12 10
£681 19s. 1d. 3% British Transport Guaranteed Stock, 1978/88	625	2 0
186 National Provincial Bank Shares £5 each, £1 paid, "B"	678	18 0
£220 3% Metropolitan Water Board (Kent Water Works) Deb. Stock	188	2 0
	£1878	14 10

W. A. AKERS, Treasurer.

FINSHURY CHURCH HOUSE,
BLOMFIELD STREET, E.C.2.
27th MARCH, 1952.

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. B. KEEN & CO.
Chartered Accountants.