

ONE HUNDRED AND EIGHTH ANNUAL GENERAL MEETING.

THE One Hundred and Eighth Annual General Meeting of The Chemical Society was held at Burlington House on Thursday, March 31st, 1949, at 2.30 p.m. The President, Sir Ian Heilbron was in the Chair.

The notice convening the Meeting was read.

In presenting the Report of Council for 1948, copies of which were available, Sir John Simonson dealt briefly with the activities of the year in which the Society had made steady progress as was reflected in a continued growth of the Fellowship. He was able to report that the delay in publication was at last beginning to be reduced, and he hoped that, by the end of the year, this difficulty would largely be removed. He also referred to the valuable services which Dr. Driver had rendered to the Society as Editor.

Sir John Simonsen referred also to the encouraging increase in the number of meetings of the Society held throughout the Country during the year. The use of the Library by Fellows as well as by the Members of other Societies was steadily increasing, and more grants had been awarded from the Research Fund than for many years. The expansion in the activities of the Society, and the increasing popularity of its meetings had made the difficulties of accommodation even more acute during the past year than they had been before, and this matter had the Council's closest attention.

In dealing with the Accounts for 1948, the Treasurer stated that he had a less satisfactory state of affairs to describe. The published accounts showed a deficit for the year of over £1000, and this was after £2100 had been withdrawn from the Special Reserve for Publications against a total of £1300 placed to that Reserve in 1947. The increased expenditure was almost wholly due to the greatly increased cost of publication. The subscription had been increased in 1947 and the Council had asked that the contribution which Industry makes through the Chemical Council should be increased. An increased deficit in 1949 was inevitable but he hoped that the measures which were being taken would lead to more stable finances in subsequent years.

The Treasurer also referred to the arrangement whereby the Society, together with the Society of Chemical Industry, had come to an agreement with the Chemical Institute of Canada, which offered joint-membership of these three Societies to Canadian Chemists, on favourable terms.

In proposing the adoption of the Report of Council together with the Statement of Accounts and Balance Sheets for 1948, Dr. Neil Campbell referred especially to the generous consideration which the Council always gave to the problems of those Fellows who, although they lived at a distance, were enabled to take part in the activities of the Society. The motion was seconded by Dr. A. H. Lamberton, and the Report and the Accounts were adopted.

The following elections to vacancies on Council were announced :—

Honorary Secretary :

Professor Harold Burton.

Elected Ordinary Members of Council :

Constituency II :

Professor M. Stacey.

Constituency V :

Dr. E. G. V. Percival.

The report of the Scrutators on the ballot for Vice-Presidents who have not filled the Office of President, and for Elected Ordinary Members of Council for Constituencies I and III had been received, and it was declared that the following had been elected :—

Vice-Presidents who have not filled the Office of President :

Professor J. W. Cook.
Professor W. Wardlaw.

*Elected Ordinary Members of Council :**Constituency I :*

Dr. F. S. Dainton.
Dr. R. Spence.
Dr. A. I. Vogel.
Dr. J. Walker.
Dr. W. A. Waters.

Constituency III :

Professor C. E. H. Bawn.
Mr. J. D. Rose.

On the proposal of Professor C. W. Shoppee, seconded by Dr. G. Baddeley, Messrs. W. B. Keen & Co. were re-appointed Auditors for 1949.

A vote of thanks to the Officers and Council for their services during the past year was proposed by Professor E. R. H. Jones, who paid a tribute to the unsparing manner in which the Officers devoted their time to the Society's affairs and referred to the success which the difficulties imposed by the delays in publication were being tackled. He also paid a warm tribute to the work of the permanent staff of the Society. This vote of thanks was seconded by Dr. J. C. Withers and was accorded with acclamation.

Later in the afternoon, the Longstaff Medal for 1948 was presented to Sir Cyril Hinshelwood, Past President. After this ceremony, the President delivered his Presidential Address entitled "Concerning Amino-Acids, Peptides and Purines." At the conclusion of the Address, a vote of thanks proposed by Professor J. W. Cook was carried with enthusiasm.

The Anniversary Dinner, held at the Dorchester Hotel, was attended by two hundred and fifty Fellows and guests who were received by the President and Lady Heilbron, and by the Treasurer and the Senior Secretary. The Toast of "The Chemical Society" was proposed by Sir Edward Appleton, Secretary of the Department of Scientific and Industrial Research, and the President replied. Professor T. S. Wheeler proposed "The Guests," and replies were made by Professor G. Hevesy, Honorary Fellow, and by Lord Brabazon of Tara, President of the Royal Institution.

REPORT OF COUNCIL FOR 1948.**I. FELLOWSHIP.**

1. *Fellowship Statistics.* On December 31st, 1948, the Register contained the names of 7875 Fellows, a net increase of 350 during the year. There were 732 elections to the Fellowship and 39 Fellows were reinstated. The Society has lost 66 Fellows by death, 216 by resignation, and 139 names were removed from the Register. Of the total Fellowship 4723 were Joint Members either of the Three Chartered Bodies or of the Chemical Society and the Society of Chemical Industry.

2. *Joint Student Facilities.* During 1948, 32 persons have been granted Joint Student Facilities by the two Societies under the Chemical Council Scheme.

3. *Honours.* The congratulations of the Society were conveyed to the following, whose names appeared in the lists of Birthday and New Year Honours :

Mr. C. A. Adams, C.B.E.	Sir James Irvine, K.B.E.
Dr. G. M. Bennett, C.B.	Dr. L. A. Jordan, C.B.E.
Mr. H. W. Cremer, C.B.E.	Dr. Alexander King, C.B.E.
Professor A. Findlay, C.B.E.	Mr. R. O'F. Oakley, C.B.E.
Dr. C. R. Harington, Knight Bachelor.	Professor G. W. Robinson, C.B.E.
Professor C. N. Hinshelwood, Knight Bachelor.	

The Council has also congratulated Professor E. L. Hirst on the award of a Davy Medal by the Royal Society.

4. *Fellows who have completed 50 and 60 years of Fellowship.* Announcements have been made at Ordinary Scientific Meetings, and published in the *Proceedings*, of the congratulations of the Society that have been sent to those Fellows who during the year completed 60 years and 50 years of Fellowship.

5. *Deaths.* The Council learned with very deep regret of the death, on December 17th, 1947, of Johannes Nicolaus Brønsted, who was elected an Honorary Fellow in 1935. A resolution of sympathy was passed by the Council and transmitted to the Danish Chemical Society for communication to Professor Brønsted's relatives. The Council also regret to record the death of Dr. Bernard Dyer, who was elected to the Fellowship in 1875, and was, for a number of years, the senior Fellow of the Society.

The condolences of the Council have been conveyed to the relatives of those Fellows whom the Society has lost by death during the year.

6. *List of Fellows.* Arrangements have been made for the publication in 1949 of a list containing the names and addresses of Fellows. The list will be available from the General Secretary, price two shillings and sixpence.

II. PUBLICATIONS.

1. *Journal.* During the year, 548 scientific communications were received, of which 15 were declined and 2 were withdrawn. The *Journal*, which was larger than any previously published by the Society, comprised 535 items made up as follows :

Papers (General, Physical, and Inorganic)	124
" (Physical Organic *)	16
" (Organic)	326
Notes	45
Lectures and Addresses	5
Obituary Notices	17
Annual General Meeting	2

* Class first introduced in the December *Journal*.

Scientific communications published included contributions from Canada (2), Australia (13), New Zealand (14), South Africa (1), India (3), U.S.A. (2), Brazil (1), Egypt (15), France (2), Hungary (6), Netherlands (1), Norway (1), Palestine (2), Spain (1), Sweden (2), and Yugoslavia (1).

The following figures show the growth of publication during recent years :

	1944.	1945.	1946.	1947.	1948.
Scientific communications received	242	347	453	523	548
Published	199	262	278	375	511
<i>Journal</i> , pages	679	930	1175	1709	2330

These figures give only an imperfect idea of the very rapid increase in the rate of publication during the last months of 1948, since nearly two-thirds of the scientific communications published during that year appeared in the last six months. Towards the end of the year far more papers were being published than were being received, and it was estimated that, at the rate of publication then being achieved, papers received at the end of the year would be appearing in the July *Journal* of 1949.

Before the year ended arrangements had been made with Richard Clay and Company, Ltd., and the Cambridge University Press for the printing of a small supplementary volume of the *Journal* during 1949, and some of the work had been put in hand. It was estimated that this, together with the larger normal *Journal*, would end all serious delays in publication by the end of 1949.

2. *Annual Reports*. The *Annual Reports* for 1947 were published at the end of July, and were thus available to subscribers at a much earlier date than were the 1946 Reports in the previous year.

3. *Quarterly Reviews*. The demand for this publication continued to increase, and arrangements were made for reprinting Volume I which had sold out.

III. MEETINGS.

1. *Scientific Meetings*. The Society held 14 meetings in London during 1948. These included 8 lectures and 1 organised discussion. At the other 5 meetings 11 papers were read and discussed.

The number of meetings held outside London increased from 77 to 108. These included 98 lectures, 8 meetings for the reading of papers, and 1 conference. Two scientific film displays and a demonstration of research work were also held. Of these meetings 77 were held jointly with local sections of other bodies or with University Chemical Societies.

Official Scientific Meetings of the Society were held at Manchester on January 8th, at Dublin on March 2nd, and at Glasgow on December 3rd, 1948.

A complete list of meetings is given in Appendix A.

2. *Anniversary Meeting*. A report of the Anniversary Meeting held in Oxford on March 18th appeared in the *Journal* for April.

The Meeting consisted of the 107th Annual General Meeting, the Presidential Address, and the Anniversary Luncheon held in Oriol College. The Annual General Meeting was adjourned until June 3rd when the Accounts were approved. These Accounts were published in the *Journal* for June.

3. *Centenary Fund*. The income arising from the fund established at the time of the Society's Centenary has enabled the Society to arrange visits by chemists from overseas, who have been invited to lecture both in London and at other centres.

IV. LIBRARY.

The Annual Report of the Joint Library Committee for 1948 appears as Appendix B.

V. OTHER ACTIVITIES.

1. *Congratulations to His Majesty The King.* The loyal and dutiful congratulations of the Society were conveyed to His Majesty The King, Patron of the Society, on the occasion of the birth of H.R.H. Prince Charles of Edinburgh.

2. *Longstaff Medal.* The Longstaff Medal for 1948 has been awarded to Sir Cyril Hinshelwood.

3. *Harrison Memorial Prize.* The Harrison Memorial Prize for 1947 was awarded to Dr. H. R. Barton and was presented at the Anniversary Meeting.

4. *Grants for Research.* During the year the Council authorised the payment of research grants amounting to £887 to 37 applicants.

5. *Chemical Council.* Copies of the Report of the Chemical Council for 1947 may be obtained by Fellows on application to the General Secretary.

6. *Bureau of Abstracts.* The Report of the Bureau of Abstracts for 1947, which was not available for publication with the Report of Council for 1947, has now been issued. Copies of this, and of the Report of the Bureau for 1946, may be obtained from the General Secretary.

7. *Redecoration of the Society's Rooms.* The Council Room and the main staircase of the Society's premises in Burlington House were redecorated during the year.

8. *Accommodation.* The size of the attendance at meetings has made it necessary to hold lectures and discussions in London at halls with a larger seating capacity than that afforded by the Society's own Meeting Room.

In addition, accommodation has had to be found in Burlington House for the Editorial Staff of the Society. As a result of this measure, the Society's Rooms have not been available for meetings arranged by other societies. The Council very much regret the inconvenience caused to Fellows and to other societies by these difficulties which will, it is hoped, be overcome.

9. *International Exhibition of Pure and Applied Chemistry—Charleroi.* The publications of the Society were exhibited on a joint stand organised on behalf of a number of British societies connected with different branches of Chemistry.

VI. ADMINISTRATION.

1. *Personnel of Council.* At the Annual General Meeting held at Oxford on March 17th, the following were declared elected :

President.....	Sir Ian Heilbron.
Vice-Presidents	Mr. R. P. Bell, Dr. G. M. Bennett.
Treasurer	Sir Wallace Akers.
Honorary Secretary	Dr. Alexander King.
Ordinary Members of Council	Dr. L. L. Bircumshaw, Professor G. R. Clemo, Dr. A. H. Cook, Dr. A. E. Gillam, Dr. T. Malkin, Dr. S. Peat, Professor F. S. Spring, Dr. L. E. Sutton, Professor T. S. Wheeler.

The retirements of Mr. F. P. Dunn from the office of Treasurer and of Professor W. Wardlaw as Honorary Secretary were noted with special regret, and warm appreciation was expressed of the very valuable services they had rendered to the Society over a very difficult period.

During the year, the Council received with regret the resignation of a number of members who had moved out of their respective constituencies on taking up new appointments. In accordance with Bye-Law 42, the Council nominated the following to serve until the Annual General Meeting in 1949 :

- Dr. E. G. V. Percival appointed in place of Professor H. W. Melville.
- Dr. F. S. Dainton appointed in place of Professor F. E. King.
- Professor H. W. Melville appointed in place of Professor S. Peat.
- Dr. J. Walker appointed in place of Professor C. W. Shoppee.

2. *Local Representatives.* The Council received with regret the resignation of Professor J. E. Coates and Professor F. E. King as Local Representatives for South Wales and Oxford respectively. Professor C. W. Shoppee and Dr. W. A. Waters were appointed in their place. Dr. J. C. Roberts was appointed Local Representative at Nottingham during the absence of Dr. D. O. Jordan in the U.S.A.

3. *Editors.* In December the Council learned with regret of the resignation of the Editor, Dr. J. E. Driver, who has been appointed Professor of Chemistry at the University of Hong Kong. Dr. L. C. Cross was appointed as Assistant Editor in August.

4. *Joint Subscription Scheme.* Certain modifications designed to simplify the collection of joint subscriptions for 1949, were made in co-operation with the Chemical Council and with the other societies concerned. In December, approval was given to an extension of the joint Subscription Scheme to include the Chemical Institute of Canada, for Fellows resident in Canada.

VII. FINANCE.

1. *Investments.* During the year a survey of the investments of the Society was made by a firm of stockbrokers with a view to securing the maximum income consistent with security for all the Funds. The Council accordingly rearranged the investments to ensure that at fixed intervals a certain proportion shall become due for redemption, thus providing regular opportunities for reinvestment in accordance with conditions prevailing at the date of repayment.

The Income of the Society derived from investments was reduced by some £70 as a result of the nationalisation of the railways.

Authority was given for the redemption of £200 3% Defence Bonds on Special Reserve Fund.

2. *Increased Prices of Publications.* To help meet the increased cost of printing and publication the Council has been obliged to increase to £5 per annum as from January 1st, 1949, the price at which the *Journal* is sold to non-Fellows.

3. *Contributions.* The Council records with thanks the following contributions towards the cost of publications :

£2500 from the Chemical Council.

£900 from the Government Scientific Publications Grant-in-Aid, distributed by the Royal Society.

Contributions of £25 from Mr. W. Collingwood Williams to mark his sixty years of Fellowship, and £10 from Dr. S. Horwood Tucker have also been gratefully received.

Further contributions amounting to £33 13s. 0d., as already recorded in the *Proceedings*, have also been received for the Centenary Fund.

4. *Bequests.* The Society received the sum of £100 bequeathed under the will of the late Mr. Hugh Main. A legacy of £100 received under the will of the late Mr. George McGowan was spent on the purchase of books for the Library.

5. *Library.* Contributions have been received through the Chemical Council towards the maintenance of the Library from :

	£	s.	d.
The Royal Institute of Chemistry	1053	8	10
The Society of Chemical Industry	565	6	6
The Faraday Society	117	1	0
The Society of Public Analysts and Other Analytical Chemists	89	13	1
The Biochemical Society	117	1	0

6. *Staff Salaries.* Appropriate increases in salary have been granted to members of the Society's staff.

VIII. RELATIONS WITH OTHER BODIES.

1. *Representatives on Joint Committees and on Other Bodies.* The Society's representatives at December 31st, 1948, were 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 F. G. Donnan.

British National Committee for Chemistry :

Sir Norman Haworth, Sir Ian Heilbron, Dr. W. H. Mills.

British National Committee for Crystallography :

Dr. G. M. Bennett.

British Standards Institution. Technical Committees :

Co-ordinating the work of the Divisional Councils in regard to any British Standard which may be issued in future for units, conversion factors, fundamental formulæ, values for properties of materials, etc. : Professor S. Sugden.

Standardisation of microchemical apparatus : Professor H. V. A. Briscoe, Dr. H. D. K. Drew.

Specifications for Materials and Plant used in Electroplating : Dr. U. R. Evans.

Standardisation of Scientific Glassware : Dr. G. R. Davies.

Standards for use in Dairying Chemistry : Mr. Eric Voelcker.

Standardisation of Letter Symbols : Professor S. Sugden

Technical Committee C/17 Viscosity : Dr. A. E. Dunstan.

Standardisation of the pH Scale : Professor H. T. S. Britton.

Bureau of Abstracts.

Directors and Members : Dr. G. M. Bennett, Mr. F. P. Dunn, Dr. E. B. Hughes, Dr. E. H. Rodd.

Members : Mr. R. P. Bell, Professor H. V. A. Briscoe, Dr. A. H. Cook, Professor W. Wardlaw.

Chemical Council :

Sir Wallace Akers, Professor D. H. Hey, Sir Cyril Hinshelwood, Dr. R. P. Linstead.

City and Guilds of London Institute :

Professor H. V. A. Briscoe.

Faraday Society—Colloid Committee :

Dr. G. S. Hartley.

Joint Library Committee :

Dr. H. Bassett, Dr. O. L. Brady, Dr. A. H. Cook, Dr. C. H. Desch, Mr. M. B. Donald, Professor H. J. Emeléus, Dr. P. Haas, Dr. T. A. Henry, Dr. J. R. I. Hepburn, Professor D. H. Hey, Professor E. D. Hughes, Dr. Harold King, Professor G. A. R. Kon, Professor E. E. Turner.

Lawes Agricultural Trust :

Committee of Management : Sir Norman Haworth.

Parliamentary and Scientific Committee :

Sir Ian Heilbron, Professor D. H. Hey.

Royal Society.

Joint Standing Committee for Symbols and Abbreviations : Professor C. W. Davies,
Professor S. Sugden.

Yorkshire Council for Further Education :

Advisory Committee for Chemistry in South and East Yorkshire : Professor R. D.
Haworth, Professor Brynmor Jones.

2. *Representatives of the Society at Conferences and Other Public Functions :*

Cuarto Congresso Sudamericano de Quimica : Professor J. W. Cook.

Installation of the Rt. Hon. The Viscount Halifax as Chancellor of the University of
Sheffield, July 2nd : Professor R. D. Haworth.

XVIII International Geological Congress : Professor J. D. Bernal and Professor F. A.
Paneth.

Royal Society, Scientific Information Conference, July 1948 : Dr. G. M. Bennett.

Rubber Technology Conference, June 23rd—25th : Professor H. W. Melville.

100th Anniversary of the Death of Berzelius, Stockholm, September 1948 : The
President.

IX. ACKNOWLEDGMENTS.

The Council express their gratitude to those Fellows who have continued to give their services freely to the Society during the year. They would especially mention Local Representatives, Members of Committees, Referees of papers for the *Journal*, and those delivering lectures. The Council also deeply appreciated the generosity of those Fellows who have made gifts of the Society's publications, or of books, for the Library.

APPENDIX A.

MEETINGS HELD DURING 1948.

IN LONDON.

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

January 8th, *Lecture*, "Structural Relationships in the Natural Unsaturated Higher Fatty Acids", by Professor T. P. Hilditch; January 22nd, *Meeting* for reading papers; February 5th, *Meeting* for reading papers; February 19th, *Sir Frederick Gowland Hopkins Memorial Lecture*, by Sir Edward Mellanby; March 4th, *Hugo Müller Lecture*, "The Occurrence and Significance of the Pentose Sugars in Nature, and their Relationship to the Hexoses", by Professor E. L. Hirst; April 22nd, *Meeting* for reading papers; May 6th, at the Royal Institution, *Lecture*, "The Molecular Orbital Theory of Valency", by Sir John Lennard-Jones; May 20th, *Victor Moritz Goldschmidt Memorial Lecture*, by Professor J. D. Bernal; June 3rd, at the Royal Institution, *Liversidge Lecture*, "The Modern Theory of Valency", by Professor L. C. Pauling; October 14th, *Meeting* for reading papers; October 28th, *Lecture*, "Strychnine, Brucine, and Vomisine", by Sir Robert Robinson; November 11th, *Tilden Lecture*, "The Structure and Reactivity of Free Radicals", by Professor C. E. H. Bawn; November 25th, at Imperial College of Science and Technology, *Discussion*, "The Theory and Practice of New Techniques in Separation and Purification", introduced by Dr. R. P. Linstead; December 9th, *Meeting* for reading papers.

OUTSIDE LONDON.

Aberdeen. Joint meetings with the local sections of the Royal Institute of Chemistry and the Society of Chemical Industry : January 23rd, *Demonstration of Current Research Work in the Chemistry Department, University of Aberdeen*; at Marischal College : February 27th, *Lecture, "Applications of Acetylenic Compounds in Organic Synthesis"*, by Dr. A. W. Johnson; March 24th, *Lecture, "Some Stereochemical Problems"*, by Professor E. E. Turner; October 22nd, *Display of Scientific Films*; November 4th, *Lecture, "Problems involved in the Generation of Useful Power from Nuclear Energy"*, by Sir Wallace Akers; December 10th, *Lecture, "Macromolecular Adventures with the Electron Microscope"*, by Professor W. T. Astbury.

Birmingham. At the University : January 30th, *Lecture, "Recent Developments in the Application of Infra-Red Spectroscopy to Chemical Problems"*, by Dr. G. B. B. M. Sutherland; March 1st, *Lecture, "Steric Hindrance"*, by Professor C. K. Ingold; April 26th, *Lecture, "Electron Transfer Reactions"*, by Professor M. G. Evans; (joint meetings with the University Chemical Society) : May 24th, *Lecture, "The Valency of Metals and the Structure of Intermetallic Compounds"*, by Professor L. C. Pauling; October 22nd, *Lecture, "Cell Growth Phenomena and Chemical Kinetics"*, by Sir Cyril Hinshelwood; December 3rd, *Lecture, "The Liquid State"*, by Dr. E. A. Moelwyn-Hughes.

Bristol. At the University : February 12th, *Lecture, "The Formation of Ethylenic Polymers"*, by Professor H. W. Melville; November 4th (joint meeting with the local sections of the Royal Institute of Chemistry and the Society of Chemical Industry), *Lecture, "Recent Advances in Chromatography"*, by Dr. T. I. Williams.

Edinburgh. At the North British Station Hotel (joint meetings with the local sections of the Royal Institute of Chemistry and Society of Chemical Industry), January 22nd, *Lecture, "Some Recent Developments in Alkaloid Chemistry"*, by Dr. H. T. Openshaw; February 12th, *Lecture, "The Chemistry of Rumination"*, by Dr. James Stewart; February 24th, at the University (joint meeting with the University Chemical Society), *Lecture, "Proton Transfer and Analogous Reactions"*, by Professor W. F. K. Wynne-Jones; March 11th, at the North British Station Hotel (joint meeting with the local sections of the Royal Institute of Chemistry and Society of Chemical Industry), *Lecture, "Practical Aspects of Wetting and Detergency"*, by Dr. E. S. Paice; April 20th, at the University, *Lecture, "The Valency of Metals"*, by Professor L. C. Pauling; at the North British Station Hotel (joint meetings with the local sections of the Royal Institute of Chemistry and the Society of Chemical Industry), October 21st, *Lecture, "Some Aspects of the Chemistry and Biochemistry of Polycyclic Aromatic Hydrocarbons"*, by Professor J. W. Cook; November 18th, *Lecture, "The Chemical Research Laboratory, Teddington"*, by Dr. R. P. Linstead; December 9th, *Lecture, "Bread and its Influence on History"*, by Dr. D. W. Kent-Jones.

Eire. January 21st, at Trinity College, Dublin (joint meeting with the Irish Chemical Association), *Lecture, "Santonin"*, by Professor Wesley Cocker; at University College, Dublin, February 27th (joint meeting with University College Chemical Society), *Lecture, "Aromatic Nitration"*, by Professor C. K. Ingold; March 2nd, Official Meeting of the Society, *Pedler Lecture, "Recent Developments in the Vitamin A Field"*, by Sir Ian Heilbron; at Trinity College, Dublin (joint meetings with the Werner Society), March 3rd, *Lecture, "Recent Researches in the Azole Field"*, by Sir Ian Heilbron; May 28th, *Lecture, "Absorption Spectra as Chemical Tools"*, by Dr. A. E. Gillam; July 1st, *Lecture, "The Chemical and Biochemical Oxidation of Polycyclic Hydrocarbons"*, by Professor J. W. Cook; November 1st (joint meeting with University College Chemical Society and the Werner Society), *Lecture, "Some Advances in the Chemistry of Fluorine"*, by Professor H. J. Emeléus; (Joint meetings with the Irish Chemical Association and Dublin Section of the Royal Institute of Chemistry) at University College, Dublin, November 2nd, at University College, Cork, November 4th, at University College, Galway, November 8th, *"The Production and Uses of Radioactive Tracers"*, by Professor H. J. Emeléus; *Lecture, November 12th, at Trinity College, Dublin (joint meeting with the University College*

Chemical Society and the Werner Society), *Lecture*, "Some Properties of the Hydrogen Bond in Solids", by Professor A. R. Ubbelohde.

Exeter. At Washington Singer Laboratories: February 2nd, *Lecture*, "Elucidation of the Structure of Penicillin", by Professor W. Baker; February 21st, *Lecture*, "Some Reactions of Free Radicals", by Dr. W. A. Waters; February 27th, *Lecture*, "Surface Films", by Professor N. K. Adam; May 28th, *Lecture*, "Advances in Immunochemistry", by Professor M. Stacey.

Glasgow. At the Royal Technical College: February 20th, Annual General Meeting of the Local Section followed by the reading of papers; March 12th, at the University, *Lecture*, "Some Problems in the Chemistry of Starch and Glycogen", by Professor E. L. Hirst; October 29th, at the Royal Technical College (joint meeting with the Andersonian Chemical Society and the Glasgow University Alchemists Club), *Lecture*, "Chemical Personalities a Century Ago", by Professor John Read; November 19th, at the University, *Tilden Lecture*, "The Structure and Reactivity of Free Radicals", by Professor C. E. H. Bawn; December 3rd, at the Royal Technical College, Official Meeting of the Society, *Meeting* for reading papers.

Hull. At University College: January 30th (joint meeting with the local sections of the Oil and Colour Chemists Association and University College Scientific Society), *Lecture*, "Phthalocyanines and Related Recent Developments in Pigments", by Dr. R. P. Linstead; February 19th (joint meeting with the Hull and District sections of the Royal Institute of Chemistry and University College Scientific Society), *Lecture*, "The Optical Properties of Molecules", by Professor E. G. Cox; May 20th (joint meeting with the University College Scientific Society), *Lecture*, "Kinetics of Some Organic Halogenation Reactions", by Mr. R. P. Bell; October 21st (joint meeting with the local section of the Oil and Colour Chemists' Association and the University College Scientific Society), *Lecture*, "Surface Chemistry—its Achievements and its Future", by Dr. A. E. Alexander; November 18th (joint meeting with the University College Scientific Society), *Lecture*, "The Preparation and Uses of Radioactive Isotopes", by Professor H. J. Emeléus.

Leeds. At the University: March 2nd (joint meeting with the University Chemical Society), Display of Scientific Films followed by a *Lecture*, "The Protein Molecule and its Degradation by Enzymes", by Dr. J. A. V. Butler; March 19th and 20th, Joint Conference of local societies, "Rheology in the Textile Industries"; May 3rd, *Lecture*, "The Valency of Metals and the Structure of Intermetallic Compounds", by Professor L. C. Pauling; November 22nd, *Lecture*, "The Mechanism of Autoxidation", by Professor C. E. H. Bawn.

Liverpool. At the University: February 19th (joint meeting with the local section of the Royal Institute of Chemistry), *Lecture*, "The Chemistry of Deterioration of Milk Powder", by Dr. C. H. Lea; March 4th, *Tilden Lecture*, "Crystallographic Technique and its Chemical Significance", by Professor E. G. Cox; March 16th, *Lecture*, "The Valency of Metals and the Structure of Intermetallic Compounds", by Professor L. C. Pauling; (joint meetings with the local sections of the Royal Institute of Chemistry, the Society of Chemical Industry, and the British Association of Chemists), October 14th, *Lecture*, "The Preparation, Properties, and Handling of Elementary Fluorine", by Dr. A. J. Rudge; November 10th, *Lecture*, "The Chemistry of some Carbohydrate Constituents of Bacteria", by Professor M. Stacey; December 2nd, *Lecture*, "Modern Theories of Chemical Valency", by Sir John Lennard-Jones.

Manchester. January 8th (joint meeting with the local sections of the Royal Institute of Chemistry and Society of Chemical Industry), at the University, *Lecture*, "Crystallisation of Fertilisers", by Dr. M. P. Applebey; January 20th (joint meeting with the local sections of the Royal Institute of Chemistry and Society of Chemical Industry), at the Engineer's Club, *Lecture*, "Nitration by Mixtures of Nitric and Sulphuric Acids", by Dr. G. M. Bennett; at the University, February 12th, Official Meeting of the Society and *Lecture*, "Some Problems in Nucleotide Synthesis", by Professor A. R. Todd; April 8th, *Meeting* for reading papers; October 14th (joint meeting with the local sections of the Royal Institute of Chemistry and Society of Chemical Industry), *Lecture*, "Biochemistry of Vitamin A", by Professor R. A. Morton; November 5th (joint meeting with

the local sections of the Royal Institute of Chemistry and Society of Chemical Industry), at the Engineer's Club, *Lecture*, "Studies in Australian Plant Chemistry", by Professor John Read; at the University: November 11th, *Meeting* for reading papers; December 9th (joint meeting with the local sections of the Royal Institute of Chemistry and Society of Chemical Industry), *Lecture*, "Aromatic Nitration", by Professor C. K. Ingold.

Newcastle and Durham. At King's College, Newcastle-on-Tyne: March 5th, *Meeting* for reading papers; April 23rd, *Bedson Club Lecture*, "The Valency of Metals and the Structure of Intermetallic Compounds", by Professor L. C. Pauling; May 21st, *Bedson Club Lecture*, "Modern Theories of the Mechanism of Drug Action", by Professor A. R. Todd; October 29th, *Bedson Club Lecture*, "Recent Work on Systems of Aromatic Type", by Professor W. Baker; November 12th, *Meeting* for reading papers.

Northern Ireland. At Queen's University, Belfast: March 4th, *Pedler Lecture*, "Recent Developments in the Vitamin A Field", by Sir Ian Heilbron; (Joint meetings with the Local Sections of the Royal Institute of Chemistry and Society of Chemical Industry), September 22nd, *Lecture*, "The Alumina and Aluminium Hydrate Industry", by Mr. A. N. Adamson; at the Royal Belfast Academical Institution; October 5th, *Lecture*, "The Development of Chemical Institutions", by Dr. H. J. T. Ellingham; December 1st (joint meeting with the local sections of the Royal Institute of Chemistry and Society of Chemical Industry), *Lecture*, "Some Chemical Aspects of Plastics Manufacture", by Dr. R. G. R. Bacon.

North Wales. January 29th, at University College of North Wales, Bangor (joint meeting with the University College of North Wales Chemical Society), *Lecture*, "Reactions of the Ethylene Bond", by Professor D. H. Hey; January 30th, at University College of Wales, Aberystwyth (joint meeting with the University College of Wales Chemical Society), *Lecture*, "Some Recent Advances in the Theory of Polymerisation", by Professor D. H. Hey; at University College of North Wales, Bangor (joint meetings with the University College of North Wales Chemical Society), February 13th, *Lecture*, "Some Aspects of Solid Reactions", by Professor W. E. Garner; November 25th, *Lecture*, "Problems in Inorganic Chemistry", by Professor W. Wardlaw.

Nottingham. At the University (joint meetings with the University Chemical Society): January 22nd, *Lecture*, "Some Aspects of Aromatic Substitution", by Professor Brynmor Jones; February 19th, *Lecture*, "The Application of Infra-Red Analysis to Problems in Molecular Structure", by Dr. G. B. B. M. Sutherland; March 4th, *Meeting* for reading papers; November 18th, *Lecture*, "The Mechanism of Free-radical Reactions in Polymerisation", by Professor M. G. Evans; December 9th, *Meeting* for reading papers.

Oxford. At the Physical Chemistry Laboratory, *Alembic Club Lectures*: May 10th, *Lecture*, "Some Recent Investigations of Natural Products", by Professor R. D. Haworth; May 24th, *Lecture*, "Chemical Reactions induced by Nuclear Radiation", by Dr. F. S. Dainton; June 7th, *Lecture*, "Exchange Reactions and Electrolytic Dissociation", by Professor S. Sugden; October 18th, *Lecture*, "Aspects of Vapour-phase Oxidation", by Dr. A. D. Walsh; November 1st, *Lecture*, "Some New Methods for the Preparation of Amidines", by Dr. W. F. Short; November 15th, *Lecture*, "The Chemistry of Semi-conducting Solids", by Dr. J. S. Anderson.

St. Andrews and Dundee. At United College, St. Andrews: February 13th, *Lecture*, "Recent Developments in the Chemistry of Starch and Glycogen", by Professor E. L. Hirst; April 21st, *Lecture*, "The Valency of Metals and the Structure of Intermetallic Compounds", by Professor L. C. Pauling; at University College, Dundee (joint meeting with the Royal Institute of Chemistry and Society of Chemical Industry), December 10th, *Lecture*, "Problems of Biosyntheses", by Professor J. N. Davidson.

Sheffield. At the University (joint meetings with the University Chemical Society): January 29th, *Lecture*, "Stereochemical Regularities in Catalytic Reactions", by Dr. R. P. Linstead; February 12th, *Lecture*, "The Factors Influencing Radical Reactions in Solution", by Professor M. G. Evans; November 4th, *Lecture*, "The Electron Microscope, and some Recent Discoveries with it in the Field of Macromolecules", by Professor W. T. Astbury; November 18th, *Lecture*, "A Theory of Organic Reactions", by Professor E. D. Hughes; December 2nd (joint meeting with the local section of the Royal Institute of

Chemistry and Sheffield University Chemical Society), *Lecture*, "Problems in the Production of Useful Power from Nuclear Energy", by Sir Wallace Akers.

Southampton. January 23rd (joint meeting with the Southampton University College Chemical Society), at University College, *Lecture*, "Synthetic Organic Chemistry in Relation to Biology", by Professor E. C. Dodds; March 12th (joint meeting with the University College Chemical and Physical Society), at University College, Southampton; *Lecture*, "Some Aspects of Infra-red Spectroscopy", by Dr. G. B. B. M. Sutherland; May 21st (joint meeting with the Portsmouth and District Chemical Society), at Municipal College, Portsmouth, *Lecture*, "Cosmic Rays", by Professor F. H. Newman; May 27th (joint meeting with the Chemical and the Physical Societies of University College), at University College, Southampton, *Lecture*, "Intermolecular Forces and Biological Specificity", by Professor L. C. Pauling; October 19th (joint meeting with the Portsmouth and District Chemical Society), at Municipal College, Portsmouth, *Lecture*, "Tribochemistry and the Initiation of Explosives", by Dr. F. P. Bowden; University College, Southampton, November 19th (joint meeting with the Mid-Southern Counties Section of the Royal Institute of Chemistry and University College of Southampton Chemical Society), *Lecture*, "Recent Advances in the Use of Organic Reagents in Analysis", by Mr. G. H. Osborn; December 3rd (joint meeting with the University College of Southampton Chemical Society), *Lecture*, "Free Radical Mechanisms in the Initiation of Polymerisation Reactions", by Professor M. G. Evans.

South Wales. At University College, Swansea: January 19th (joint meeting with the University College of Swansea Students' Chemical Society), *Lecture*, "The Physical Chemistry of Some Vacuum Metallurgical Processes", by Dr. Philipp Gross; February 9th, *Lecture*, "Free-radical Reactions in Hydrocarbon Chemistry", by Professor C. E. H. Bawn; March 5th (joint meeting with the University College of Swansea Students' Chemical Society), *Lecture*, "The Antibacterial Compound, Aspergillic Acid", by Professor F. S. Spring; March 12th, at University College, Cardiff, *Lecture*, "The Contribution of the Organic Chemist to Medical Research", by Professor C. R. Harington; November 15th (joint meeting with the University College of Swansea Students' Chemical Society), at University College, Swansea, *Lecture*, "The Structure of the Boron Hydrides and Similar Compounds", by Mr. R. P. Bell; November 18th, at University College, Cardiff, *Lecture*, "The Chemistry of Penicillin", by Professor Wilson Baker.

APPENDIX B.

ANNUAL REPORT OF THE JOINT LIBRARY COMMITTEE FOR THE YEAR 1948.

There was a slight decrease in the number of attendances by readers during the year. This is easily accounted for by the fact that the Reading Room was closed for a longer period than usual in the summer, when the staircase walls were being painted. The increasing value of the Library services is testified to both by letters and by comments from those using the Library in person and from those only able to do so by post.

Books issued, again show an increase, particularly in the case of those issued by post, all of which are registered.

The pressure on the photostat service has apparently been eased by the fact that the Science Library now undertakes copying, and is usually able to do it at a cheaper rate. The number of printed pages copied was 4605, a decrease of 435 on the previous year. Telephone enquiries dealt with again showed an increase, the respective figures for 1947 and 1948 being 1711 and 1764.

The number of books added to the Library was 282, of which 90 were presented. 583 volumes of periodicals were added, and 187 pamphlets. The total number of volumes in the Library is now 49,787, of which 15,054 are books and 34,733 volumes of periodicals.

Analysis.

	Attendances.	Books borrowed.	Books added.	Volumes of periodicals.	Pamphlets.
1948	11,547	9741 (3569 by post)	282	583	187
1947	11,710	9678 (3427 by post)	442	593	181

The number of books added shows a decrease because the books which were purchased in Germany by the BIOS team are included in the figure for 1947.

A thorough revision of the books in the Reading Room took place in the summer, and by sending over 1000 volumes to the basement stores the position on the shelves was eased, but the reserve space has been so severely reduced that the overall picture of accommodation is again becoming grave.

Some concern was caused by the sudden appearance of extensive mould on books in one of the Library stores. The Committee is most grateful to Messrs. R. Faraday Innes and A. J. Musgrave of the British Leather Manufacturers' Research Association and Dr. H. J. Plenderleith of the British Museum for their extensive researches into the cause of this attack and suggestions for its cure. Precautions recommended by them have been taken, which, it is hoped, will prevent any recurrence.

Books both new and historical have been presented to the Library by authors, publishers, and others, and the Society's collection of medals has also been enriched. To all the donors of such gifts the Committee desires to express its warm thanks.

INCOME AND EXPENDITURE ACCOUNTS OF OTHER FUNDS FOR THE YEAR ENDED 31ST DECEMBER, 1948.

SPECIAL RESERVE FUND.

1947		1948		1948	
£	s. d.	£	s. d.	£	s. d.
394	4 11	315	11 5	423	3 8
17	4 6	16	4 4	84	2 2
75	13 4	84	2 2	£415	17 11
£423	3 8	£415	17 11	£423	3 8

Income.

Expenditure.

RESEARCH FUND.

1947		1948		1948	
£	s. d.	£	s. d.	£	s. d.
394	4 11	315	11 5	423	3 8
17	4 6	16	4 4	84	2 2
75	13 4	84	2 2	£415	17 11
£423	3 8	£415	17 11	£423	3 8

RESEARCH FUND.

1947		1948		1948	
£	s. d.	£	s. d.	£	s. d.
394	4 11	315	11 5	423	3 8
17	4 6	16	4 4	84	2 2
75	13 4	84	2 2	£415	17 11
£423	3 8	£415	17 11	£423	3 8

SPECIAL PUBLICATIONS FUND.

1947		1948		1948	
£	s. d.	£	s. d.	£	s. d.
40	7 6	35	12 10	425	6 0
74	0 8	50	1 10	6	16 9
27	8 7	28	1 3	2	9 0
---	---	320	15 10	---	---
£141	16 9	£434	11 9	£434	11 9

SPECIAL PUBLICATIONS FUND.

1947		1948		1948	
£	s. d.	£	s. d.	£	s. d.
40	7 6	35	12 10	425	6 0
74	0 8	50	1 10	6	16 9
27	8 7	28	1 3	2	9 0
---	---	320	15 10	---	---
£141	16 9	£434	11 9	£434	11 9

INCOME AND EXPENDITURE ACCOUNTS OF OTHER FUNDS FOR THE YEAR ENDED 31ST DECEMBER, 1948.

STAFF PENSIONS FUND.

1947		1948		1947		1948	
£	s. d.	£	s. d.	£	s. d.	£	s. d.
<i>Income.</i>				<i>Expenditure.</i>			
To Dividends on Investments	103 11 5	79 4 11	840 0 0	By Pensions paid	...	...	840 0 0
" Income Tax recovered	25 13 4	23 12 6	...	...	...	...	...
" Interest on Deposit	16 4 10	14 7 4	...	...	...	...	...
" Balance, being Excess of Expenditure over Income, carried to Balance Sheet	694 11 5	722 15 3	...	...	...	...	...
	£840 0 0	£840 0 0	£840 0 0				£840 0 0

THE EDWARD FRANK HARRISON MEMORIAL TRUST FUND.

1947		1948		1947		1948	
£	s. d.	£	s. d.	£	s. d.	£	s. d.
<i>Income.</i>				<i>Expenditure.</i>			
To Dividends on Investments	29 15 5	28 5 0	...	By Harrison Prize	...	...	150 0 0
" Income Tax recovered	22 11 9	22 11 10	...	" Miscellaneous Expenses	...	...	2 2 0
" Interest on Deposit	6 9	1 10	...	" Balance, being Excess of Income over Expenditure, carried to Balance Sheet	...	...	...
" Balance, being Excess of Expenditure over Income, carried to Balance Sheet	...	101 3 4	...				£152 2 0
	£52 13 11	£152 2 0	£52 13 11				£152 2 0

SPECIAL LECTURES FUND.

1947		1948		1947		1948	
£	s. d.	£	s. d.	£	s. d.	£	s. d.
<i>Income.</i>				<i>Expenditure.</i>			
To Dividends on Investments	35 1 6	17 10 9	25 0 0	By Honorarium	...	...	25 0 0
" Income Tax recovered	10 8 0	10 8 0	...	" Lecture Expenses	...	...	25 0 11
" Interest on Deposit	13 5	13 7	...	" Balance, being Excess of Income over Expenditure, carried to Balance Sheet	...	...	...
" Balance, being Excess of Expenditure over Income, carried to Balance Sheet	...	21 8 7	...				£50 0 11
	£46 2 11	£50 0 11	£46 2 11				£50 0 11

INCOME AND EXPENDITURE ACCOUNTS OF OTHER FUNDS FOR THE YEAR ENDED 31ST DECEMBER, 1948.

THE FARADAY LECTURE FUND.

1947		1948		1947		1948	
£	s. d.	£	s. d.	£	s. d.	£	s. d.
7	4	3	7	4	0	25	0
5	18	2	5	18	3	3	5
14	17	7	---	---	---	---	---
£28 5 0		£13 7 7		£28 5 0		£13 7 7	
<i>Income.</i>				<i>Expenditure.</i>			
...	...	...	...	By Honorarium	...	...	...
...	...	...	...	" Faraday Medal	...	...	...
...	...	...	...	" Balance, being Excess of Income over Expenditure, carried to Balance Sheet	...	...	...

THE TILDEN LECTURE FUND.

1947		1948		1947		1948	
£	s. d.	£	s. d.	£	s. d.	£	s. d.
46	8	8	41	13	4	31	10
27	9	10	27	9	10	7	1
27	3	0	---	---	---	25	4
£73 16 6		£69 6 2		£73 16 6		£69 6 2	
<i>Income.</i>				<i>Expenditure.</i>			
...	...	...	...	By Honorarium	...	...	...
...	...	...	...	" Lecture Expenses	...	...	...
...	...	...	...	" Transfer to Publications Account, for cost of publication of Lectures	...	...	...
...	...	...	...	" Balance, being Excess of Income over Expenditure, carried to Balance Sheet	...	...	...

CENTENARY FUND.

1947		1948		1947		1948	
£	s. d.	£	s. d.	£	s. d.	£	s. d.
33	11	2	61	19	1	163	5
28	15	10	54	6	0	4	3
£62 7 0		£229 6 8		£62 7 0		£229 6 8	
<i>Income.</i>				<i>Expenditure.</i>			
...	...	...	...	By Expenses of Lecturers & Delegates	...	...	...
...	...	...	...	" Miscellaneous Expenses	...	...	...
...	...	...	...	" Balance, being Excess of Income over Expenditure, carried to Balance Sheet	...	...	...

THE CHEMICAL SOCIETY. BALANCE SHEETS, 31ST DECEMBER, 1948.

RESEARCH FUND.			
	1947	1948	1948
	£ s. d.	£ s. d.	£ s. d.
<i>Liabilities.</i>			<i>Assets.</i>
To Sundry Creditors	362 19 9	555 13 10	By Investments as per Schedule (cost or value when acquired)
„ Excess of Assets over Liabilities as per last Balance Sheet	20,727 3 4	20,727 3 4	Cash at Bank (including Deposit) and on deposit in Post Office
Add net Profit on change of Investments	242 13 10	141 7 10	„ Savings Bank
Add Excess of Income over Expenditure for year	367 15 1	---	
	20,727 3 4	20,868 11 2	
Deduct Excess of Expenditure over Income for year	---	179 2 4	
	20,727 3 4	20,689 8 10	
	£21,090 3 1	£21,215 2 8	£21,215 2 8

SPECIAL PUBLICATIONS FUND.

	1947	1948	1948
	£ s. d.	£ s. d.	£ s. d.
To Sundry Creditors	14 8	3 3 3	By Sundry Debtors
„ Excess of Assets over Liabilities as per last Balance Sheet	2984 16 2	3116 1 11	Investment as per Schedule (cost or value when acquired)
Add Net Profit on change of Investments	---	411 19 10	Cash at Bank (including Deposit) and on deposit in the Post Office
Add Excess of Income over Expenditure for year	131 5 9	---	„ Savings Bank and London Savings Bank
	3116 1 11	3528 1 9	
Deduct Excess of Expenditure over Income for year	---	320 15 10	
	3116 1 11	3207 5 11	
	£3116 16 7	£3210 9 2	£3210 9 2

STAFF PENSIONS FUND.

	1947	1948	1948
	£ s. d.	£ s. d.	£ s. d.
To Excess of Assets over Liabilities as per last Balance Sheet	6537 17 9	5863 6 7	By Investments as per Schedule (cost or value when acquired)
Add Profit on redemption of Investment	20 0 3	---	Cash at Bank (including Deposit) and on deposit in the Post Office
	6557 18 0	5863 6 7	„ Savings Bank
Deduct Net Loss on change of Investments	---	81 16 3	
Deduct Excess of Expenditure over Income for year	684 11 5	722 15 3	
	5873 6 5	5088 16 1	
	£5863 6 7	£5088 16 1	£5088 16 1

SCHEDULE OF INVESTMENTS.

GENERAL PURPOSES.

Nominal Details.	Cost or Value when Acquired.		Market Value 31st December 1948.	
	£	s. d.	£	s. d.
£2426 15s. 0d. 3½% Conversion Loan, 1961, or after ...	1884	12 8	2584	9 9
£2408 2s. 6d. 3% Funding Loan, 1959/69 ...	2429	11 5	2504	9 0
£2400 14s. 9d. 3% Savings Bonds, 1960/70 ...	2418	11 0	2484	15 3
£2400 3% Savings Bonds, 1965/75 ...	2006	4 5	2060	0 0
£4480 19s. 8d. 3% British Transport Guaranteed Stock, 1978/88 ...	6444	14 11	4513	8 9
£2546 1s. 4d. 3% British Electricity Guaranteed Stock, 1968/73 ...	2549	4 5	2682	9 0
£1200 2½% Defence Bonds ...	1200	0 0	1200	0 0
£2400 2½% Bristol Corporation Debenture Stock, 1957 ...	2070	2 0	2328	0 0
£1560 3½% Bristol County Consolidated Stock, 1954/59 ...	1639	2 6	1604	5 0
£2000 3% London County Consolidated Stock, 1962/67 ...	2032	10 0	2070	0 0
£2500 3% Commonwealth of Australia Registered Stock, 1964/66 ...	2509	7 6	2575	0 0
£A2170 4% Commonwealth of Australia Treasury Bonds, 1961 ...	1833	13 0	1805	8 10
£A830 4% Commonwealth of Australia Treasury Bonds, 1961 ...	719	3 7	690	10 0
	£28,736	17 5	£29,042	15 7

PUBLICATIONS FUND.

£2280 19s. 8d. 3½% Conversion Loan, 1961, or after ...	1566	16 4	2407	19 0
£1000 3% Savings Bonds, 1955/65 ...	1000	0 0	1045	0 0
£2261 1s. 11d. 3% Savings Bonds, 1960/70 ...	2276	1 11	2340	4 8
£2175 13s. 4d. 3% British Transport Guaranteed Stock, 1978/88 ...	1929	1 4	2186	10 11
£2000 3% British Electricity Guaranteed Stock, 1968/73 ...	2002	10 0	2060	0 0
£1200 3% Commonwealth of Australia Registered Stock, 1964/66 ...	1204	10 0	1236	0 0
	£9978	19 7	£11,275	14 7

SPECIAL RESERVE FUND.

£1300 2½% Defence Bonds ...	2400	0 0	1300	0 0
£2400 2½% National War Bonds, 1949/51 ...	1300	0 0	2418	0 0
£3700 2½% National War Bonds, 1952/54 ...	3700	0 0	3820	5 0
£1500 3% Savings Bonds, 1955/65 ...	1500	0 0	1567	10 0
£2852 10s. 9d. 3% Liverpool Corporation Stock, 1955/58 ...	2647	2 0	2672	18 6
£3000 2½% Funding Loan, 1956/61 ...	3011	5 0	3060	0 0
	£14,558	7 0	£14,838	13 6

RESEARCH FUND.

£2177 16s. 1d. 3½% Conversion Loan, 1961, or after ...	3625	16 8	4449	7 3
£500 Defence Bonds, 4th issue ...	500	0 0	500	0 0
£2400 3% Savings Bonds, 1960/70 ...	4060	0 0	4140	0 0
£3765 2s. 1d. 3% British Transport Guaranteed Stock, 1978/88 ...	3567	19 5	3773	17 7
£1919 8s. 2d. 3% British Electricity Guaranteed Stock, 1968/73 ...	3794	1 2	3850	19 9
£2400 3% Commonwealth of Australia Registered Stock, 1964/66 ...	4015	0 0	4120	0 0
	£19,492	17 3	£20,814	4 7

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

FINSBURY CHURCH HOUSE,
BLONDFIELD STREET, E.C.2.
MARCH 21ST, 1949.

SPECIAL PUBLICATIONS FUND.

Nominal Details.	Cost or Value when Acquired.		Market Value 31st December, 1948.	
	£	s. d.	£	s. d.
£715 8s. 10d. 3½% Conversion Loan, 1961, or after ...	541	2 4	761	18 11
£746 1s. 0d. 3% British Transport Guaranteed Stock, 1978/88 ...	719	18 9	749	15 7
£750 3% British Electricity Guaranteed Stock, 1968/73 ...	750	18 9	772	10 0
	£2011	19 10	£2284	4 6

STAFF PENSIONS FUND.

£683 6s. 1d. 3½% Conversion Loan, 1961, or after ...	527	13 9	727	14 4
£170 2½% National War Bonds, 1951/53 ...	180	0 0	183	15 0
£170 3% Savings Bonds, 1955/65 ...	170	0 0	170	0 0
£815 2s. 7d. 2½% Funding Loan, 1956/61 ...	818	3 9	831	8 7
£2500 2½% Defence Bonds ...	2500	0 0	2500	0 0
	£4165	17 6	£4382	17 11

THE EDWARD FRANK HARRISON MEMORIAL TRUST FUND.

£61 15s. 8d. 3½% Conversion Loan, 1961, or after ...	50	1 5	65	15 11
£1489 10s. 6d. 3% British Transport Guaranteed Stock, 1978/88 ...	1051	6 6	1496	15 5
	£1101	7 11	£1562	15 4

SPECIAL LECTURES FUND.

£1414 15s. 3d. 3% British Transport Guaranteed Stock, 1978/88 ...	£1365	5 0	£1421	16 8
THE FARADAY LECTURE FUND.				
£374 19s. 0d. 3½% Conversion Loan, 1961, or after ...	£369	4 0	£399	6 5

THE TILDEN LECTURE FUND.

£419 4s. 10d. 3% Funding Loan, 1959/69 ...	386	13 10	436	0 3
186 National Provincial Bank Shares £5 each, £1 paid "B" ...	678	18 0	744	0 0
£681 19s. 1d. 3% British Transport Guaranteed Stock, 1978/88 ...	625	2 0	685	7 3
£220 3% Metropolitan Water Board (Kent Water Works) Deb. Stock	188	2 0	220	0 0
	£1878	14 10	£2085	7 6

CENTENARY FUND.

£2477 13s. 11d. 3% Savings Bonds, 1955/65 ...	2491	11 10	2589	3 10
£2500 3% Savings Bonds, 1960/70 ...	2534	7 6	2587	10 0
£2500 3% British Electricity Guaranteed Stock, 1968/73 ...	2498	8 9	2575	0 0
£2279 13s. 0d. 3% British Transport Guaranteed Stock, 1978/88 ...	2327	7 9	2391	0 11
£A3500 4% Commonwealth of Australia Treasury Bonds, 1961 ...	2936	7 6	2912	0 0
	£12,698	3 4	£12,954	14 9

W. A. AKERS, Treasurer.

W. B. KEEN & Co.
Chartered Accountants.