

ANNUAL GENERAL MEETING.

THE Annual General Meeting was held at the University of Birmingham, Edgbaston, on Thursday, 22nd March, at 3 p.m., the President, Professor G. T. Morgan, O.B.E., D.Sc., F.R.S., occupying the Chair.

The notice summoning the meeting was read and the President formally presented the Report of Council for 1933—1934, together with the Balance Sheets and Statements of Accounts for 1933.

The Treasurer was then called upon by the President to make a statement on the finances of the Society. He referred to the anxiety felt by the Council as to the present financial difficulties, and stated that this was due to the Society's endeavours to do more for its Fellows and the Chemical community at large than it could afford in view of its annual income. The precarious financial position of the Society and of some of its cognate Societies has assumed great importance in the eyes of those best qualified to judge and they had to give most serious consideration to the best means of securing a permanent solution. He stated that the Income on General Purposes Account had increased by £164 8s. 10d., owing to the Annual Subscriptions being higher and to a falling-off in subscriptions in arrear, and to the slight increase in membership. The losses through resignations and removals in Fellows At Home during the last two years were 4·2% in 1933 as against 7·7% in 1932. Expenditure had increased by £792, owing mainly to the cost of meetings held outside London, expenses of Local Representatives, and to increased contributions to the Publications Fund, Library, and Federal Council for Chemistry, and to the cost of the forthcoming Collective Index.

In referring to the Publications Fund, the Treasurer pointed out that the income was less by £594. This was due to a fall in revenue from sales of publications and advertisements, and to the donations being less by £401. During the last 5 years the proceeds from the sales of publications had decreased by £1006, the diminution being £77 in 1930, £192 in 1931, £598 in 1932 and £138 in 1933: in this respect the Society had suffered from trade depression as other publishers had. He hoped that the diminution in the rate of decrease last year would continue as world conditions improve. Expenditure on the Journal was less by £308 (owing to a diminution in the number of pages) and on the Abstracts by £26.

In conclusion, the Treasurer stated that he was not without hope as to an ultimate improvement in the Society's financial position, but he feared that it would be some time before the accounts could be balanced independently of more or less casual donations from benefactors, and contributions from other Societies which necessarily must vary from year to year.

REPORT OF COUNCIL, 1933—1934.

IN presenting to the Society formal reports under the customary headings, the Council wishes to direct the attention of Fellows to certain matters which it considers to be specially important.

For some years the financial position has been a cause of great anxiety, and in spite of the arrest in the diminution of the number of Fellows and of the generous contributions towards publishing expenses from the Government Publications Grant (through the Royal Society) and from Imperial Chemical Industries, Ltd., there is a large deficit for the year under report. This indicates that the work of the Society cannot continue on its present scale with its present resources. A large proportion of the cost of publishing original literature in Pure Chemistry in this country, the whole of the cost of publishing Abstracts of papers in Pure Chemistry and Biochemistry, and more than three-quarters of the cost of maintaining a chemical library available for use by the majority of British Chemists, are borne by the Society, that is, by only a section—estimated as one-third—of those who benefit from these activities. The Council is glad to be able to report an increasing recognition of this anomalous position, both by other societies and by representatives of the chemical industries, and is not without hope that a more equitable division of the cost of these essential services may ultimately be achieved.

The period under report is notable for the development of the scheme of lectures and discussions at meetings held outside London under the auspices of the Society. The success of this scheme, as attested by the number and character of such meetings and the excellent attendances recorded, has convinced the Council that these activities meet a widely felt need, not hitherto recognised, for meetings devoted to expositions of modern developments in pure chemistry. The Council congratulates the Local Representatives of the Society on the success of their efforts, and thanks them for their admirable work, valuable not only to the Society, but to a wider circle of chemists.

This is the first occasion since 1926 on which the Council is able to report an increase in the number of Fellows. The actual increase is small, but the Council feels that when it is contrasted with a diminution of over 400 in the last six years, there is some cause for congratulation. The considerable increase in the number of new elections is, the Council believes, largely due to the efforts of the Local Representatives and of other Fellows, and partly attributable to the reduction of the annual subscription to Fellows under 25 years of age who forego the receipt of certain publications. This evidence of wider appreciation of the work of the Society encourages the Council to hope that a period of special difficulty is coming to an end. At the same time, however, the Council would urge on all Fellows the need for energetic support of the Society's activities and for continued efforts to augment its Fellowship.

I. Fellowship Statistics.

The number of Fellows at December 31st, 1932, was 3608. For the year 1933, 235 Fellows were elected and 13 reinstated, as compared with 141 and 14, respectively, for 1932. The Society has lost 53 Fellows by death, 83 by resignation, and 100 by removal for non-payment of annual subscriptions, the corresponding figures in 1932 being 43, 166, and 113, respectively.

The number of Fellows at 31st December, 1933, therefore, was 3620, showing an increase of 12 in 1933 as against a decrease of 167 during 1932.

By the death, on March 22nd, of Professor John Millar Thomson, the Society has lost one of its senior Fellows. Professor Thomson was elected a Fellow on January 18th, 1872, served on the Council as Vice-President, Secretary and Ordinary Member of Council for thirty-one years in all, and as Chairman of the Library Committee for nineteen years. The memory of his kindly personality and enthusiasm for the Society will long be preserved among those Fellows who knew him. A special resolution of sympathy passed by the Council was communicated to the Ordinary Scientific Meeting on April 6th and conveyed by the President to Professor Thomson's relatives. A copy of the Thomson medal has been presented to the Society by Professor Smiles and Professor Allmand and is deposited in the Library.

II. Honorary Fellows.

The Council regrets to report the death on January 29th of Professor Dr. Fritz Haber, who was elected an Honorary Fellow of the Society on May 7th, 1931.

During the year, the Council has elected as Honorary Fellows, Professor A. Béhal, Professor E. C. Franklin, Sir Frederic Gowland Hopkins, Professor Camille Matignon, Sir Prafulla C. Rây, Professor F. A. H. Schreinemakers, and Professor A. Windaus. The number of Honorary Fellows is now 37.

III. Jubilee Fellows.

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

| | Elected. |
|-----------------------------|---------------------|
| Charles T. Kingzett | April 3rd, 1873. |
| Walter Odling | June 19th, 1873. |
| William Charles Young | November 6th, 1873. |

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

| | |
|------------------------------|----------------------|
| Joseph B. Coleman | April 19th, 1883. |
| Bedo Hobbs | June 21st, 1883. |
| Rowland Williams | June 21st, 1883. |
| Reginald G. Durrant | December 6th, 1883. |
| Llewellyn Garbutt | December 6th, 1883. |
| Charles Edward Potter | December 6th, 1883. |
| Gordon Crewe Chambres | December 20th, 1883. |
| John J. Pilley | December 20th, 1883. |
| Arthur Smithells | December 20th, 1883. |
| John William Pallister | January 17th, 1884. |
| John Augustus Voelcker | January 17th, 1884. |
| Leonard Archbutt | February 21st, 1884. |
| Henry Carter Draper | February 21st, 1884. |
| Thomas Richard Duggan | February 21st, 1884. |
| Robert Edward Moyle | February 21st, 1884. |
| Edgar Francis Smith | February 21st, 1884. |

IV. *Journal.*

The Journal for 1933, containing 1653 pages in the enlarged format, consists of 388 memoirs (1533 pages), 26 notes (13 pages), 3 lectures (40 pages), an account of the Priestley Bicentenary Meeting (24 pages), a report on atomic weights (8 pages), the Presidential Address (4 pages), the report of the Annual General Meeting (12 pages), and Obituary Notices (19 pages).

During 1933, 460 papers were received, of which 8 were declined. Of the 388 memoirs published, 147 deal with General, Physical, and Inorganic Chemistry, and 241 with Organic Chemistry.

The average interval between the receipt and the publication of the papers in 1933 was 9.4 weeks; the corresponding interval for the 457 memoirs and 34 notes published in 1932 was 9.7 weeks.

V. *Bureau of Chemical Abstracts.*

Abstracts. The number and average length of the abstracts in Sections "A" and "B" published during 1933 by the Bureau and the corresponding figures for 1932 are as follows :

| | A. | | | | B. | | | |
|------------------------------------|----------------|--------|----------------|--------|----------------|--------|----------------|--------|
| | 1932. | | 1933. | | 1932. | | 1933. | |
| | No. of Abs. | Pages. | No. of Abs. | Pages. | No. of Abs. | Pages. | No. of Abs. | Pages. |
| 1st quarter | 2,894 | 314 | 3,619 | 330 | 3,038 | 274 | 3,212 | 270 |
| 2nd ,, | 3,384 | 352 | 3,454 | 324 | 3,034 | 272 | 2,952 | 256 |
| 3rd ,, | 3,142 | 312 | 3,534 | 336 | 3,475 | 304 | 3,441 | 272 |
| 4th ,, | 3,129 | 318 | 3,833 | 354 | 3,468 | 288 | 3,539 | 290 |
| | 12,549 | 1,296 | 14,440 | 1,344 | 13,015 | 1,138 | 13,144 | 1,088 |
| Average length per abstract ... | 0.21 Col. | | 0.19 Col. | | 0.18 Col. | | 0.17 Col. | |

The 14,440 "A" abstracts comprised 6646 in General, Physical, and Inorganic Chemistry, 425 in Geochemistry, 2849 in Organic Chemistry, and 4524 in Biochemistry. The corresponding figures for 1932 were 6060, 364, 2603, and 3522.

Of the 13,144 "B" abstracts 6840 were from journals and 6304 were abstracts of Patents (in 1932 : 5937 and 7078 respectively).

It will be seen that there has been an increase in the number of abstracts in all the divisions of the "A" section, the greatest being in those dealing with Biochemistry. This increase is due to a large extent to the contributions now being received from Nutrition Abstracts, and it is believed that these additional abstracts add considerably to the usefulness of this section of our publications.

Annual Index. The joint Annual Index of the abstracts for 1932 cost £1375 15s. 1d., and covered 578 pages as compared with 594 pages for the 1931 Index. In 1932 the total number of entries in the Index increased from 78,000 to 84,600.

Decennial Index. Satisfactory progress is being made, and it is expected that the two volumes comprising the Index of Authors' names will be ready for issue in March next.

VI. Library.

Excluding the evenings on which meetings of the Chemical Society were held, there were 8399 attendances during the past year as compared with 8400 in 1932. Of the 8399, 5349 were made by Fellows of the Chemical Society, while 3050 were made by Members of Contributing Societies, as against 3167 in 1932.

The number of books borrowed during 1933 was 5518, as against 5724 the previous year; of these 1284 were issued by post, as against 1368 in the preceding year.

The additions to the Library comprise: 216 books, of which 72 were presented, 692 volumes of periodicals and 245 pamphlets; as against 184 books, 726 volumes of periodicals, and 380 pamphlets last year. The total number of volumes added during the year was 908, showing a decrease of 2. The Library now contains 37,309 volumes consisting of 11,063 books and 26,246 bound volumes of periodicals.

VII. General.

Lectures in London.

Four special lectures have been delivered during the year:—

The Fifteenth Faraday Lecture, entitled "The Relation between Stereochemistry and Physics," by Professor Peter Debye at the Royal Institution on March 29th, 1933.

The Sixth Hugo Müller Lecture, entitled "Chemistry at the Cross Roads," by Professor H. E. Armstrong, at the Institution of Mechanical Engineers on May 25th, 1933.

A lecture, with experiments, entitled "The Combustion of Hydrocarbons," by Professor W. A. Bone, at the Royal Institution on October 19th, 1933.

The Fourth Pedler Lecture, entitled "Chlorophyll," by Professor Dr. Hans Fischer at the Royal Institution on February 22nd, 1934.

Lectures outside London.

Ten lectures have been delivered outside London:—

Birmingham. At the University: January 22nd, 1934, on "Some Recent Work in the Alkaloid Group," by Professor R. Robinson.

Glasgow. At the Royal Technical College: February 9th, 1934, on "Diamonds," by Sir Robert Robertson.

Manchester. At the University: March 9th, 1933, on "How Chemical Reactions Go," by Professor E. K. Rideal; November 9th, 1933, on "Molecules Pictorial," by Professor J. E. Lennard-Jones; November 30th, 1933, on "The Relations between Photochemical and Thermochemical Reactions," by Professor A. J. Allmand.

Newcastle and Durham. The following Bedson Lectures to which Fellows were invited were delivered at Armstrong College: November 3rd, 1933, on "Vitamin 'B,'" by Professor R. A. Peters; February 2nd, 1934, on "The Chemical and Physical State of the Upper Atmosphere," by Dr. G. C. Simpson.

North Wales. At University College, Bangor: May 5th, 1933, on "The Chemistry of Gold," by Professor C. S. Gibson; December 1st, 1933, on "Group Protection Devices," by Professor R. Robinson.

Sheffield. At the University: October 26th, 1933, on "Relations between Photochemical and Thermal Reaction Mechanism," by Professor A. J. Allmand; November 30th, 1933, on "Some Modern Developments in Analytical Chemistry," by Mr. J. B. Smith.

South Wales. At University College, Swansea : May 11th, 1933, on "The Development of the Structure of Carbohydrates," by Professor W. N. Haworth; November 9th, 1933, on "Some Applications of Magnetism to Chemical Problems," by Professor S. Sugden.

Discussions in London.

Three discussions were held :—

"The Chemical Constitution of Oestrin," on March 16th, 1933, opened by Dr. G. F. Marrian.

"Condensed Aromatic Ring Systems," on November 16th, 1933, opened by Dr. R. Fraser Thomson.

"Some Aspects of the Electronic Theory of Valency," on February 15th, 1934, opened by Professor J. E. Lennard-Jones.

Discussions outside London.

Five discussions were held :—

At the University of Leeds on May 12th, on "Substitution in Organic Compounds," at which papers were contributed by Professor G. M. Bennett, Professor R. Robinson, Dr. C. W. Shoppee, Professor C. K. Ingold, Dr. J. W. Baker, and Professor H. M. Dawson.

At University College, Cardiff, on November 24th, on "The Chemical Applications of Optical and Morphological Crystallography," opened by Dr. N. H. Hartshorne, and continued by Professor G. M. Bennett, Dr. Mary W. Porter, Dr. N. M. Cullinane, and Messrs. A. Stuart, R. G. Wood, F. M. Lea, E. G. Cox, and E. S. Davies.

At Sheffield University, on January 25th, on "The Ignition of Gases," opened by Professor R. V. Wheeler, and continued by Drs. H. F. Coward, T. F. Wall, and J. D. Morgan.

At the University of Bristol on January 26th, on "Reactions in Gases and Solids," when papers were contributed by Professor W. E. Garner and Mr. C. N. Hinshelwood.

At the University College of North Wales, Bangor, on February 2nd, on "The Early Training of the Chemist," opened by Professor T. C. James.

Bicentenary of Priestley. The Ordinary Scientific Meeting on April 6th was devoted to a commemoration of the Bicentenary of Joseph Priestley, when one of his descendants, Mr. Will C. Priestley, was present. Papers dealing with the life and work of Priestley were read by Sir Philip Hartog, Professor A. N. Meldrum, and Sir Harold Hartley. Dr. J. A. Newton Friend showed a series of lantern slides illustrating Priestley's life and work in England and America, and an exhibit of Priestley relics was on view in the Officers' Room.

Representatives of the Society on Other Bodies.

Bureau of Chemical Abstracts

Mr. F. P. Dunn, Mr. A. J. Greenaway, Dr. J. T. Hewitt, Professor T. S. Moore, and the Treasurer.

Federal Council for Chemistry

Professor T. S. Moore, Sir William J. Pope, and Professor J. F. Thorpe.

British Editorial Board of the *Journal of Physical Chemistry*

Mr. E. J. Bowen, Professor W. E. Garner and Professor T. M. Lowry.

Representatives of the Society at Public Functions.

Laying of the Foundation Stone of the New Buildings of the University of London on the Bloomsbury Site

The President.

25th Anniversary Celebrations of the Société de Chimie Physique

Professor F. G. Donnan.

Priestley Bicentenary Celebrations in Paris
Inauguration by the Académie de Béarn of a
Memorial to Monsieur Charles Moureu

The President and Sir William J. Pope.
Professor J. B. Senderens.

The Ramsay Chemical Dinner, Glasgow

The President.

Appointment of Vice-President. In April the Council appointed Dr. E. F. Armstrong as Vice-President until the next Annual General Meeting to fill the vacancy caused by the elevation of Professor G. T. Morgan to the Presidency.

Office of Secretary. The Council received with regret the resignation of Professor T. S. Moore from the office of Honorary Secretary, and desires to record its indebtedness to him for the devoted service he has rendered to the Society during his six years of office. The Council has nominated Dr. H. J. T. Ellingham as Honorary Secretary to fill the vacancy.

Anniversary Meetings. A report of the 92nd Annual General Meeting, held in London on March 30th, appeared in the Journal for April (pp. 450 *et seq.*). The Anniversary Dinner was held at Grosvenor House with the Rt. Hon. Lord Melchett of Landford as the principal guest.

The Council has accepted an invitation from Fellows in Birmingham to hold the 93rd Anniversary Meeting of the Society in that city on March 22nd, 1934.

List of Fellows. The Council decided that a new List of Fellows (last issued in 1929) should be published and financed by the Special Publications Fund. The List was issued in October and may be obtained by Fellows at the price of one shilling.

Bye-Laws. The revised Bye-Laws have been reprinted and may be obtained on application to the Assistant Secretary.

Memorial Lectures. It has been decided to issue Volume III of the Memorial Lectures, containing the Lectures delivered before the Society between 1914 and 1932 in memory of the following Chemists :

| | |
|----------------------|--|
| Emil Fischer | by Sir M. O. Forster, F.R.S. |
| Adolf von Baeyer | by Professor W. H. Perkin, F.R.S. |
| J. D. Van der Waals | by Sir J. H. Jeans, F.R.S. |
| H. Kamerlingh Onnes | by Professor Ernst Cohen, For.Mem.R.S. |
| S. A. Arrhenius | by Sir James Walker, F.R.S. |
| Theodore W. Richards | by Sir Harold Hartley, C.B.E., F.R.S. |
| Otto Wallach | by Professor Leopold Ruzicka. |

Publication of Papers on Physical Chemistry. In the report for 1932, it was stated that the scheme of co-operation drawn up by the Joint Committee of the Chemical Society and Faraday Society had been adopted, but that in view of the estimated cost of producing a joint journal devoted to physical chemistry and of the present financial position of the Society, it had been decided that the scheme should not be put into operation in 1933. This matter has been further considered but no action has been taken.

Scheme for Closer Co-operation between Organisations of Chemists. At the invitation of the Federal Council for Chemistry, the Council appointed representatives (Mr. F. P. Dunn, Professor C. S. Gibson, and Professor T. S. Moore) to meet a Committee of the Federal Council and representatives of the Institute of Chemistry and the Society of Chemical Industry in order to discuss means of promoting co-operation between the three organisations. A report of the conference of the representatives, in which a draft scheme for the formation of a Chemical Council was outlined, has been considered by the Council. The President, Treasurer, and Sir William J. Pope have been appointed to act as the Society's representatives on a Provisional Council.

Electric Light Installation. The Council was informed by the Office of Works in October 1932 that new electric mains would be laid in Burlington House preparatory to the alteration of the electrical supply from 110 volts D.C. to 230 volts A.C., and that a renewal of the Society's installation would be necessary. The work was completed during the vacation, and at the same time certain improvements in the ventilation of the Meeting and Council Rooms were effected. It was necessary to sell part of the Transvaal 3% Guaranteed Stock held on General Purposes Capital Account to meet this expenditure.

Local Representatives. A meeting of the Local Representatives was held in London on March 31st, 1933, at which each Local Representative reported on progress in his district. A report dealing with methods for increasing the usefulness of the Society to Fellows outside London and with the arrangement of meetings in conjunction with other chemical organisations was drawn up and subsequently adopted by Council.

British Standards Institution. The Council has had under consideration a report on Metric Units of Volume from the British Standards Institution and a request by that body to support in future the use of millilitre (ml.) as the unit of volume instead of cubic centimetre (c.c.). It was agreed that no definite ruling should be made on this point so far as the Journal of the Chemical Society is concerned, and that contributors should be invited to give careful consideration to the question and to employ whichever term is the more appropriate in any given case. A notice to this effect was attached to the Journal for January 1934.

Annual Reports for 1933. The scheme of reports by groups of experts, which proved successful in one subject in previous years, has now been extended to others. The volume for 1933 contains a special report on Crystallography covering the years 1932 and 1933 in addition to the usual reports.

Research Grants. In accordance with a decision of Council already announced the Research Fund Committee met once only during the year to consider applications for grants. In December 1933, 78 applications for grants amounting to £816 were received from Fellows or applicants for Fellowship, and grants amounting to £616 10s. were made.

Acknowledgments. The Council wishes to express its thanks to the many Fellows who have served the Society in various ways, and especially to members of Committees, referees of papers submitted for publication, contributors to the Annual Reports on the Progress of Chemistry, lecturers, openers of organised discussions, and local representatives.

The Council has received manuscript volumes of considerable historical interest from the daughters of the late Professor J. M. Thomson and from Dr. A. Slator; volumes of the Society's publications from Professor A. Smithells and Messrs. Thomas De La Rue & Co., Ltd.; the mathematical and physical papers of Lord Kelvin, and the scientific papers of Lord Rayleigh from the Faraday Society; a promise from Mr. E. Grant Hooper to bequeath to the Society his bound set of the publications of the Society; a Moissan Memorial Volume from the Société de Chimie Industrielle; a note-book belonging to the late Sir William Tilden from Mr. Philip Tilden; a copy of the Humboldt Medal from Mr. Arnold Stevenson; a copy of the Thomson Medal from Professor S. Smiles and Professor A. J. Allmand; two photographs from Mr. Charles Lessner, and new books from authors and publishers. The Council gratefully acknowledges these gifts.

VIII. *Financial.*

General Purposes Account.

It will be seen from the accounts that expenditure has exceeded income by £614 11s. 9d. Compared with last year, expenditure has increased by £792 6s. 8d. This is mainly due to the following increases: Collective Index £250, Contribution to Publications Fund £141 19s. 4d., Library £96 11s. 9d., Cost of Meetings £93 3s. 10d., Expenses of Local Representatives £77 11s. 7d., Donations £50. On the other hand, income has increased by £164 18s. 10d. owing chiefly to Annual Subscriptions being up by £158 15s.

General.

Contributions have been received from the Government Publications Grant (through the Royal Society) and from Imperial Chemical Industries, Ltd., towards the cost of the Society's publications, and from an anonymous donor for the General Purposes Account. The

Council desires to record its appreciation of these benefactions and to thank those Fellows who generously continue to subscribe to the Publications Fund. The Council records with gratitude the receipt of a bequest of £100 by the late Professor C. M. Thompson, of Cardiff.

Investments.

The Ordinary Shares of Lungla (Sylhet) Tea Co., Ltd., and Nedeem Tea Co., Ltd., were sold, realising £393 19s. 9d., being less by £299 12s. 9d. than the value when bequeathed to the Society by the late Sir Alexander Pedler. The proceeds of the sale (£393 19s. 9d.), Professor C. M. Thompson's Legacy (£100), and Life Composition Fees (£143 2s. 11d.),—amounting in all to £637 2s. 8d.—were invested in £633 11s. 3½% Conversion Stock 1961, or after. There remains £101 7s. 1d. to be invested.

The adoption of the Report and Accounts, proposed by Prof. A. G. Green and seconded by Dr. E. B. R. Prideaux, was carried.

A vote of thanks to the Auditors (Mr. H. Paget, Dr. H. J. S. Sand and Mr. W. M. Colles) was proposed by the Treasurer, seconded by Mr. A. J. Greenaway and carried. They were unanimously re-elected to act as Auditors for 1934.

On the motion of Dr. W. Wardlaw, seconded by Dr. L. Hunter, a vote of thanks to the Treasurer, Honorary Secretaries, Council and Committees for their services during the past year was passed, Prof. T. S. Moore making a brief acknowledgment.

The report of the Scrutators on the ballot for the election of Vice-Presidents who have not filled the office of President, and of Ordinary Members of Council (Country Members), was received, and the President announced that the following had been elected to fill the vacancies on the Council for the year 1934—1935 :

Vice-Presidents, who have filled the office of President.—Professor Percy F. Frankland and Sir James Walker.

Vice-Presidents, who have not filled the office of President.—Professor A. Harden, Professor W. N. Haworth, Professor T. S. Moore, and Dr. N. V. Sidgwick.

Honorary Secretary.—Dr. H. J. T. Ellingham.

Ordinary Members of Council (Town Members).—Dr. O. L. Brady, Dr. P. Haas, and Dr. E. E. Turner.

Ordinary Members of Council (Country Members).—Professor F. Challenger and Dr. W. Wardlaw.

A vote of thanks to the Scrutators (Dr. H. E. Cox and Dr. H. D. K. Drew) was proposed from the Chair and carried.

This concluded the business portion of the meeting. The company then assembled in the Great Hall of the University and after tea were welcomed by the Vice-Chancellor and Principal of the University (Sir Charles Grant Robertson).

The President then delivered his Address entitled "Unification of the Chemical Profession." At its conclusion, a vote of thanks to the President for his services in the Chair during the past year and for his Address, with a request that he would allow it to be printed in the Journal, was proposed by Mr. W. A. S. Calder, seconded by Mr. William Macnab and carried with acclamation, the President making acknowledgment.

A vote of thanks to the Chancellor, Council and Senate of the University of Birmingham for granting permission for the Annual General Meeting to be held in the University and for hospitality, moved from the Chair, was carried with acclamation.

The President then moved a vote of thanks to the Reception Committee and Executive Committee for their work in organising the meetings. This was carried unanimously.

INCOME AND EXPENDITURE GENERAL PURPOSES ACCOUNT FOR THE YEAR ENDED 31ST DECEMBER, 1933.

| 1932 | | 1933 | | 1933 | | 1932 | | Expenditure. | | 1933 | |
|------|-------|-------|-------|--|---------|------|-------|--------------|--|---------|-------|
| £ | s. d. | £ | s. d. | £ | s. d. | £ | s. d. | £ | s. d. | £ | s. d. |
| 1026 | 0 0 | 129 | 0 0 | To Life Composition Fees | 1020 | 3 8 | 1929 | 18 3 | By Administration Expenses:— | 1936 | 19 9 |
| 7250 | 13 0 | 736 | 4 9 | Annual Subscriptions:— | 7229 | 4 4 | 229 | 13 2 | Office Salaries and Wages | 229 | 13 2 |
| 364 | 10 0 | 235 | 7 7 | Received in advance, on account of 1933 | 474 | 10 0 | 52 | 10 0 | Superannuation | 204 | 13 8 |
| 57 | 10 0 | 61 | 5 11 | " " " " " 1932 | 58 | 10 0 | 233 | 19 3 | House Expenses, etc. (proportion) | 52 | 10 0 |
| 8698 | 13 0 | 50 | 5 3 | " " " " " 1931 and | 8782 | 8 0 | 152 | 1 6 | Accountants' Charges | 273 | 14 5 |
| | | — | — | previous years | 400 | 0 0 | 70 | 11 8 | Miscellaneous Printing and Stationery (proportion) | 149 | 16 7 |
| | | — | — | Less amount included in last year's Income, being valuation of Arrears as per last Balance Sheet | 3832 | 8 0 | — | — | Postages (proportion) | 77 | 6 8 |
| | | 8598 | 13 0 | Add Arrears at date: £764 12s. 0d. Estimated to realise as per Balance Sheet | 375 | 0 0 | — | — | Miscellaneous | 2924 | 14 3 |
| | | 736 | 4 9 | Dividends on Investments | 8757 | 8 0 | — | — | Expenses of Meetings (including Faraday Lecture Expenses) | 244 | 13 1 |
| | | 235 | 7 7 | Income Tax recovered | 740 | 2 6 | 5 | 5 0 | Donations:— | 50 | 0 0 |
| | | 61 | 5 11 | Interest on Deposit | 248 | 4 6 | — | — | Federal Council | 5 | 5 0 |
| | | 50 | 5 3 | Miscellaneous Receipts (including £20 Donation) | 28 | 10 3 | — | — | British Standards Institution | 5 | 5 0 |
| | | — | — | Excess of Expenditure over Income carried to Balance Sheet | 614 | 11 9 | — | — | Contribution to Publications Fund | 4921 | 13 11 |
| | | £9810 | 16 6 | | £10,627 | 17 1 | £9810 | 16 6 | Transfer to ditto (Life Composition Fees) | 166 | 10 0 |
| | | | | | | | | | Contribution to Library Fund | 1909 | 19 2 |
| | | | | | | | | | Transfer to Staff Pensions Fund | 77 | 10 1 |
| | | | | | | | | | Transfer to Special Publications Fund (to form Sinking Fund for Collective Index, 1923-32) | 250 | 0 0 |
| | | | | | | | | | Expenses of Local Representatives | 77 | 11 7 |
| | | | | | | | | | Balance, being excess of Income over Expenditure, carried to Balance Sheet | — | — |
| | | | | | | | | | | £10,627 | 17 1 |

INCOME AND EXPENDITURE ACCOUNTS OF OTHER FUNDS FOR THE YEAR ENDED 31ST DECEMBER, 1933.

| 1932 | | 1933 | | 1933 | | 1932 | | Expenditure. | | 1933 | |
|------|-------|---------|-------|---|---------|-------|---------|--------------|---|---------|-------|
| £ | s. d. | £ | s. d. | £ | s. d. | £ | s. d. | £ | s. d. | £ | s. d. |
| 2434 | 13 4 | 2379 | 12 10 | To Publication Sales (including back numbers):— | 2379 | 12 10 | 1160 | 9 6 | By Expenses on account of Journal:— | 1159 | 6 0 |
| 2017 | 9 0 | 1905 | 18 4 | Journals and Proceedings | 31 | 10 7 | 85 | 12 6 | Editorial Salaries | 85 | 12 6 |
| 21 | 9 6 | 31 | 10 7 | Abstracts | 773 | 14 10 | 48 | 3 5 | Superannuation | 32 | 3 6 |
| 755 | 13 9 | 3 | 2 | Collective Index, Vols. I-VI | 3 | 2 | 3411 | 7 9 | Editorial Postages | 2997 | 4 10 |
| 3 | 10 | 5229 | 9 5 | Annual Reports on Progress of Chemistry | 5080 | 19 9 | 363 | 9 8 | Printing, Paper, etc. | 470 | 14 9 |
| | | — | — | Other Publications | 408 | 5 0 | 349 | 13 0 | Distribution | 367 | 0 8 |
| | | 484 | 14 8 | Proceeds of Advertisements in Journal and Abstracts | 112 | 14 11 | 21 | 2 10 | Authors' Copies | 19 | 10 2 |
| | | 138 | 9 11 | Less Commission | 295 | 10 1 | — | — | Miscellaneous | 6131 | 12 5 |
| | | 346 | 4 9 | Transfer from General Purposes Account, being Life Composition Fees for year | 166 | 10 0 | — | — | Expenses on account of Abstracts:— | 1257 | 4 2 |
| | | — | — | Legacy: Prof. C. M. Thompson | 100 | 0 0 | — | — | Editorial Salaries | 20 | 18 10 |
| | | 728 | 10 0 | Donations | 268 | 10 0 | — | — | Editorial Postages | 65 | 13 2 |
| | | 700 | 0 0 | Government Publications Grant (through the Royal Society) | 327 | 10 0 | — | — | Abstractors' Fees | 1268 | 1 8 |
| | | 293 | 11 2 | Dividends on Investments | 700 | 0 0 | — | — | Printing, Paper, etc. | 2869 | 3 0 |
| | | 107 | 17 4 | Income Tax recovered | 298 | 6 2 | — | — | Distribution | 331 | 0 5 |
| | | 9 | 6 | Interest on Deposit | 1 | 2 4 | — | — | Miscellaneous | 81 | 7 5 |
| | | 4779 | 14 7 | Transfer from General Purposes Account (the balance of expenditure on publications) | 4921 | 13 11 | — | — | Annual Reports on the Progress of Chemistry— | 598 | 16 2 |
| | | £12,314 | 16 9 | | £12,314 | 16 9 | £12,314 | 16 9 | Printing | 10 | 2 0 |
| | | | | | | | | | Advertising | 608 | 18 2 |
| | | | | | | | | | Carried to Balance Sheet of Publications Fund, viz.:— | 166 | 10 0 |
| | | | | | | | | | Life Composition Fees | 100 | 0 0 |
| | | | | | | | | | Legacy: Prof. C. M. Thompson | 266 | 10 0 |
| | | | | | | | | | | £12,000 | 9 1 |

| SPECIAL PUBLICATIONS FUND. | | |
|--|-----------------|-----------------|
| | 1933 | 1932 |
| | £ s. d. | £ s. d. |
| <i>Income.</i> | | |
| To Dividends on Investments | 33 10 11 | 80 0 0 |
| " Income Tax recovered | 10 16 11 | 24 5 3 |
| " Interest on Deposit | 13 9 | 7 11 |
| " Balance, being Excess of Expenditure over Income, carried to Balance Sheet | 29 4 8 | — |
| | <u>£74 5 3</u> | <u>£74 5 3</u> |
| | | |
| To Transfer from General Purposes Account | 77 10 1 | 120 0 0 |
| " Dividends on Investments | 31 17 6 | — |
| " Income Tax recovered | 10 12 5 | — |
| | <u>£120 0 0</u> | <u>£120 0 0</u> |
| | | |
| THE EDWARD FRANK HARRISON MEMORIAL TRUST FUND. | | |
| | | |
| To Dividends on Investments | 39 16 2 | — |
| " Income Tax recovered | 11 18 5 | — |
| " Interest on Deposit | 1 19 3 | 3 5 0 |
| " Balance, being Excess of Expenditure over Income carried to Balance Sheet | — | 49 16 3 |
| | <u>£53 1 3</u> | <u>£53 1 3</u> |
| | | |
| STAFF PENSIONS FUND. | | |
| | | |
| To Transfer from General Purposes Account | 77 10 1 | 120 0 0 |
| " Dividends on Investments | 31 17 6 | — |
| " Income Tax recovered | 10 12 5 | — |
| | <u>£120 0 0</u> | <u>£120 0 0</u> |
| | | |
| EXPENDITURE. | | |
| | | |
| By Honoraria | — | — |
| " Lecture Expenses | — | — |
| " Balance, being Excess of Income over Expenditure, carried to Balance Sheet | — | 45 17 5 |
| | <u>£45 17 5</u> | <u>£45 17 5</u> |

| THE CHEMICAL SOCIETY.—BALANCE SHEETS, 31st December, 1933. | | |
|---|----------------------|----------------------|
| GENERAL PURPOSES. | | |
| | 1933 | 1932 |
| | £ s. d. | £ s. d. |
| <i>Liabilities.</i> | | |
| To Subs. received in advance | 1,020 3 8 | 26,247 5 9 |
| " Sundry Creditors (Printing and other Expenses) | 3,000 18 2 | 3,029 19 11 |
| " Sale of Library Books | — | 35 0 0 |
| " Suspense Account | — | 36 1 6 |
| " Excess of Assets over Liabilities as per last Balance Sheet | 24,683 2 2 | — |
| <i>Add</i> Meldola Bequest (less legacy duty) | — | — |
| <i>Add</i> Excess of Income over Expenditure | — | — |
| <i>Add</i> Profit on Sale of £403 13s. 10d. Transvaal 3% Guar. Stock | 6 19 4 | — |
| | <u>24,690 1 6</u> | <u>24,683 2 2</u> |
| | | |
| <i>Deduct</i> Transfer to Suspense Account toward Cost of Renewal of the Electric Lighting Installation | 400 0 0 | — |
| " Excess of Expenditure over Income for Year | 24,290 1 6 | 614 11 9 |
| | <u>£27,730 16 7</u> | <u>£27,730 16 7</u> |
| | | |
| PUBLICATIONS FUND. | | |
| | | |
| To Excess of Assets over Liabilities as per last Balance Sheet | 11,152 13 8 | 11,074 13 8 |
| <i>Add</i> Amount transferred from Income and Expenditure Account for Investment | 266 10 0 | 78 0 0 |
| Less Loss on Shares Sold | 11,419 3 8 | — |
| | <u>£11,152 13 8</u> | <u>£11,152 13 8</u> |
| | | |
| ASSETS. | | |
| | | |
| By Investments as per Schedule (cost or value when acquired) | — | 25,854 5 1 |
| " Sundry Debtors | — | 741 16 4 |
| " Subscriptions in Arrear, £764 12s. Estimated to realise | — | 375 0 0 |
| " Cash in hand and at Banker's | — | 759 15 2 |
| | <u>£27,730 16 7</u> | <u>£27,730 16 7</u> |
| | | |
| By Amount due from General Purposes | | |
| " Investments as per Schedule (cost or value when acquired) | — | 8 7 1 |
| " Cash at Banker's | — | 11,018 3 10 |
| | <u>£11,119 10 11</u> | <u>£11,119 10 11</u> |

SCHEDULE OF INVESTMENTS.

GENERAL PURPOSES.

| | Cost or Value when Acquired. | | Market Value 31st December, 1933. | |
|---|------------------------------|-------|-----------------------------------|-------|
| | £ | s. d. | £ | s. d. |
| <i>Nominal Details.</i> | | | | |
| £787 London, Midland and Scottish Railway 4% Debenture Stock | 839 | 3 7 | 826 | 7 0 |
| £1290 14s. 3d. Cardiff Corporation 3% Stock, 1914/54 | 1650 | 0 0 | 1414 | 5 2 |
| £1400 India 2½ per cent. Stock | 1316 | 1 0 | 868 | 0 0 |
| £2400 Bristol Corporation 2½% Debenture Stock, Bristol Dock Account | 2070 | 2 0 | 2040 | 0 0 |
| £2713 London, Midland and Scottish Railway 4 per cent. Preference Stock | 3572 | 0 4 | 1926 | 4 7 |
| £1096 6s. 2d. Transvaal 3% Guaranteed Stock, 1928-53 | 1143 | 1 0 | 1020 | 0 0 |
| £1200 London and North Eastern Railway 3% Debenture Stock | 1067 | 12 10 | 1107 | 5 6 |
| £700 Canada 3½% Stock, 1930/50 | 1033 | 11 0 | 956 | 0 0 |
| £2829 6s. 9d. 5% Conversion Loan, 1944/64 | 704 | 8 6 | 689 | 10 0 |
| £1100 5% ditto | 2446 | 2 6 | 2946 | 13 7 |
| £600 4% Funding Loan, 1960/90 | 1045 | 0 2 | 1281 | 10 0 |
| £1,212 3s. 3½% per cent. Conversion Stock 1961, or after | 480 | 0 0 | 672 | 0 0 |
| | 8487 | 2 2 | 11,408 | 13 4 |
| | | | | |
| | £25,854 | 5 1 | £27,136 | 9 2 |

PUBLICATIONS FUND.

| | | | | |
|--|---------|------|---------|-------|
| £6775 5s. 6d. 3½% Conversion Stock, 1961, or after | 5300 | 12 8 | 6893 | 16 10 |
| £3173 1s. 6d. 5% Conversion Loan, 1944/64 | 3199 | 18 7 | 3696 | 12 8 |
| £2817 P. & O. Steam Navigation Co. Deferred Stock | 2060 | 0 0 | 796 | 11 6 |
| £6683 London, Midland and Scottish Railway 4% Guaranteed Stock | 457 | 12 7 | 580 | 18 10 |
| | £11,018 | 3 10 | £11,977 | 19 10 |

RESEARCH FUND.

| | Value or Cost when Acquired. | | Market Value 31st December, 1933. | |
|--|------------------------------|-------|-----------------------------------|-------|
| | £ | s. d. | £ | s. d. |
| <i>Nominal Details.</i> | | | | |
| £1000 London and North Eastern Railway 4% 2nd Guaranteed Stock | 1010 | 0 0 | 900 | 0 0 |
| £1054 Great Western Railway 2½% Debentures | 1049 | 15 11 | 666 | 18 7 |
| £1142 16s. New South Wales 3% Stock, 1935 | 1000 | 0 0 | 1143 | 16 0 |
| £1122 Metropolitan Water Board 3% "B" Stock | 1002 | 16 9 | 959 | 6 2 |
| £1483 London, Midland and Scottish Railway 4% Debenture Stock | 1508 | 3 6 | 1557 | 3 0 |
| £806 Victoria 3% Stock, 1929/49 | 708 | 6 2 | 733 | 9 2 |
| £2498 11s. 5% Conversion Loan, 1944/64 | 4267 | 4 0 | 5240 | 16 3 |
| £5164 13s. 9d. 3½% Conversion Stock, 1961, or after | 3898 | 14 10 | 8255 | 1 5 |
| | | | | |
| | £14,443 | 2 0 | £16,455 | 10 7 |

SPECIAL PUBLICATIONS FUND.

| | | | | |
|---|-------|-----|-------|-----|
| £2115 8s. 10d. 3½% Conversion Stock, 1961, or after | £1600 | 0 0 | £2152 | 9 3 |
|---|-------|-----|-------|-----|

SPECIAL LECTURES FUND.

| | | | | |
|--|-------|-----|-------|-----|
| £1299 9s. 4d. 3½% Conversion Stock, 1961, or after | £1000 | 0 0 | £1322 | 4 2 |
|--|-------|-----|-------|-----|

STAFF PENSIONS FUND.

| | | | | |
|---|------|------|-------|-----|
| £683 6s. 1d. 3½% Conversion Stock, 1961, or after | 537 | 13 9 | 695 | 5 3 |
| £371 17s. 1d. 5% Conversion Loan, 1944/64 | 375 | 0 0 | 433 | 4 2 |
| | | | | |
| | £902 | 13 9 | £1128 | 9 5 |

THE EDWARD FRANK HARRISON MEMORIAL TRUST FUND.

| | | | | |
|--|-------|------|-------|------|
| £61 15s. 8d. 3½% Conversion Stock, 1961, or after | 50 | 1 5 | 62 | 17 3 |
| £1255 London Midland and Scottish Railway 4% Debenture Stock | 1081 | 6 6 | 1317 | 15 0 |
| | | | | |
| | £1101 | 7 11 | £1380 | 12 3 |

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

W. B. KEEN,
Chartered Accountant.

23, QUEEN VICTORIA STREET, E.C. 4.
14th February, 1934.

Approved { HENRY J. S. SAND
JL. PAGER
W. MORRIS COLLES