

ANNUAL GENERAL MEETING

THE Ninety-Sixth Annual General Meeting was held at Burlington House on Thursday, March 18th, 1937, at 4 p.m., the President, Professor N. V. SIDGWICK, C.B.E., D.Sc., F.R.S., occupying the Chair.

The notice convening the meeting was read.

The Report of Council for 1936 (see pp. 675-687) was presented and the Senior Honorary Secretary gave a brief survey of the principal developments of the work of the Society during the year. Attention was drawn to the fact that the Report was concerned with the affairs of the Society up to December 31st, 1936, and that future Reports would deal with matters for the previous calendar year.

The Treasurer, who was then called on by the President, dealt with the Accounts in some detail. He stated that in 1936 the deficit was £303, as against £1642 in 1935, and that the total income for this year showed an increase of £149 over the previous year. He referred to the decision of Council to transfer from Publications Fund to General Purposes Account the sum received (and invested) as Life Composition Fees since 1923, and to credit one-third of the amount received each year as Life Composition Fees to revenue.

On the expenditure side of the Accounts, the Treasurer stated that there had been slight increases in the cost of administration and of meetings; but the main item of expenditure, the contribution to the Publications Fund, was down by £64. The most important saving effected was in the contribution to the Library Fund (£666), due to subscriptions received from the Institute of Chemistry and the Society of Chemical Industry under the Agreement; also no contribution had been made towards the cost of the Collective Index. The *Journal* cost £65 less and the Abstracts £106 more than in 1935.

The Treasurer referred to the successful work of the Chemical Council in accomplishing reductions in the contracts for printing and paper, by which the Society would benefit in 1937, and in collecting funds which would become available for the support of publications.

Dr. Francis Carr, in moving the adoption of the Report of Council and Balance Sheets, referred to the important part played by the Chemical Society in promoting chemical science. He pointed out that the widening ramifications of chemistry called for ever-increasing work on the part of the President, Treasurer, and other Officers of the Society, and that though there had been a great increase in the number of British chemists, there had not been a corresponding increase in the membership of the Society. He welcomed the relief the Treasurer enjoyed through the prospect of external contributions being made towards the Library and publications; but emphasised the desirability of the complete independence which would result if the number of Fellows were commensurate with what was deserved of the Society. This was seconded by Professor J. C. Philip, and carried.

A Vote of Thanks to the Auditors, Dr. H. E. Cox, Dr. H. D. K. Drew, and Dr. G. Senter, proposed by the Treasurer and seconded by Dr. J. T. Hewitt, was carried. On the motion from the Chair, they were re-elected Auditors for the ensuing year.

A Vote of Thanks to the Treasurer, Honorary Secretaries, Council, and Committees for their services during the year, proposed by Professor W. E. Garner and seconded by Mr. F. P. Dunn, was passed unanimously and acknowledged by Sir Robert Robertson.

The report of the Scrutators on the ballot for the election of Ordinary Members of Council (Town and Country) was presented, and the following were declared as elected:

President: Professor F. G. Donnan.

Vice-Presidents, who have filled the office of President: Professor N. V. Sidgwick, Professor W. P. Wynne.

Vice-Presidents, who have not filled the office of President: Professor G. Barger, Professor J. C. Philip, Dr. R. H. Pickard.

Honorary Secretary: Dr. C. W. Davies.

Ordinary Members of Council (Town Members): Professor H. V. A. Briscoe, Mr. F. P. Dunn, Professor R. Robison, Dr. W. H. J. Vernon.

Ordinary Members of Council (Country Members): Dr. F. B. Kipping, Dr. E. H. Rodd.

A Vote of Thanks to the Scrutators (Dr. H. J. Emeléus and Dr. W. H. Patterson) was proposed by Professor R. Robison, seconded by Dr. F. B. Kipping, and carried.

The President then delivered his Address entitled: "Hybrid Molecules." At the conclusion of the Address, a Vote of Thanks to the President for his services in the Chair during his term of office and for his Address was proposed by Mr. W. A. S. Calder and seconded by Professor T. S. Moore. This was carried with acclamation, and in acknowledging the Vote of Thanks, the President referred to the valuable assistance he had received from the Treasurer and Honorary Secretaries and from the Assistant Secretary and members of his staff.

REPORT OF COUNCIL, 1936.

During the year much attention has been given to the improvement and extension of the services which the Society renders to its Fellows. The Publication Committee has considered the operation of the system for dealing with papers submitted for publication, and special Committees have been appointed to examine such varied questions as the status and responsibilities of Local Representatives, means for improving abstracts in Biochemistry, symbols for physico-chemical quantities, and ways and means of increasing the membership of the Society. Council has received and acted on the reports of some of these Committees and expects to receive reports from the others early in 1937. It is noteworthy that the suggestions which led to many of these aspects of the work of the Society being brought under review originated from Local Representatives or other Fellows of the Society in various parts of the country. The Council welcomes these evidences of the active interest which Fellows are taking in the progress of the Society, and wishes it to be known that careful consideration will always be given to constructive proposals for the improvement of any branch of the Society's activities.

Membership of the Society has remained practically stationary for a number of years, and the Council hopes that Fellows will take every opportunity of bringing the claims of the Society to the notice of those who are engaged in any branch of the profession of chemistry or who benefit directly or indirectly from the results of chemical research.

The work of the Chemical Council is leading to the establishment of closer relations with the Institute of Chemistry and the Society of Chemical Industry, and has already brought about some co-ordination of the services which the three Chartered bodies render to the science and profession of chemistry. Important developments in this direction may be expected in the future.

The Society has also co-operated with the Physiological Society, the Biochemical Society, the Physical Society, and the Faraday Society in examining certain matters of common interest referred to below, and the Council acknowledges the value of this co-operation.

In the previous Report an innovation was effected in that Fellowship Statistics were given to the 31st December, 1935, so as to conform with the Accounts. In future it is intended that the whole Report of Council shall refer to affairs for the calendar year. In the present Report all aspects of the work of the Society have been reviewed to the 31st December, 1936, but in the case of Meetings (section III and Appendix D) events already referred to in the previous Report have not been included.

I. FELLOWSHIP.

(1) *Honorary Fellows.*

The Council records with deep regret the death on the 17th September of Professor Henry Louis Le Chatelier, who was elected an Honorary Fellow of the Society on the 6th February, 1908. The condolences of the Council were conveyed to Madame Le Chatelier, and a Memorial Lecture will be delivered by Professor C. H. Desch in 1937.

(2) *Fellowship Statistics.*

The number of Fellows on the 31st December, 1935, was 3725. During the year, 205 Fellows were elected and 22 reinstated, the corresponding figures in 1935 being 228

and 21, respectively. The Society has lost 49 Fellows by death, 91 by resignation, and 66 by removal for non-payment of annual subscriptions, compared with 48, 38, and 66, respectively in 1935.

The number of Fellows on the 31st December, 1936, was 3746, showing a net increase of 21.

Note.—For purposes of comparison with the figures given in the last Report of Council, the resignations in 1935 should be increased by 63, making the number 101.

(3) *Birthday and New Year Honours.*

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

Mr. William F. Donald	M.B.E.
Dr. C. Stanton Hicks	Kt.
Mr. Percy G. Lloyd.....	M.B.E.
Sir Harry McGowan	Baron
Professor Gilbert T. Morgan	Kt.
Mr. H. T. Tizard	K.C.B.

(4) *Fellows who have completed 60 and 50 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) *List of Fellows.*

The List of Fellows was published in October, and can be obtained (price 1s.) from the Assistant Secretary.

(6) *Means of Increasing Membership of the Society.*

The Council appointed in June a Special Committee to consider ways and means of increasing the membership of the Society. It is expected that this Committee will present a report of its findings early in 1937.

II. PUBLICATIONS.

(1) *Journal.*

The *Journal* for 1936 contains 1862 pages (45 pages fewer than the *Journal* for 1935), and consists of 414 memoirs and 28 notes (1765 pages), 5 lectures (53 pages), the Presidential Address (5 pages), report of the Annual General Meeting (16 pages), and Obituary Notices (23 pages). The 414 memoirs comprise 128 dealing with General, Physical and Inorganic Chemistry and 286 dealing with Organic Chemistry.

During 1936, 466 papers were received; of these, 9 were declined.

In view of certain criticisms regarding the operation of the system for dealing with papers submitted for publication, Local Representatives and other Fellows in various parts of the country were invited to collect and forward the views of Fellows on the system. The replies showed that though the essential principles of the system were generally approved, some dissatisfaction existed regarding certain features of its operation. A number of proposals designed to remove a few definite grievances and to facilitate the smooth working of the system have been adopted. The refereeing and editing processes have been overhauled, and the Referee report forms amended accordingly.

In addition to this, the Council has decided to invite authors who publish frequent serial contributions on particular subjects to consider the possibility of holding over reports of the parts of an extensive investigation for publication at a suitable time, either as a single comprehensive paper, or as a group of papers arranged for continuous reading. Such a paper or group of papers could contain a single statement of the basic ideas of the whole investigation and could be made much more interesting to the general reader than is otherwise possible.

Other proposals for facilitating publication and for improving the *Journal* are under consideration.

At the request of the Chemical Council, the Council re-considered the question of allowing non-Fellows to publish papers occasionally in the *Journal*. The following statement on this matter now appears in "Notices to Authors of Papers":

"A paper is not normally considered for publication in the *Journal* unless at least one of the authors is a Fellow of the Society, but in exceptional circumstances the Council is prepared to consider papers submitted by non-Fellows."

(2) Abstracts.

The Report of the Bureau of Chemical Abstracts for the year is reproduced in full as Appendix B to this Report.

British Chemical Abstracts "A" in Sections.

The Council decided, after consultation with the Bureau of Chemical Abstracts, that as from the beginning of 1937 British Chemical Abstracts "A" (Pure Chemistry) shall be issued in three sections: A., I., General, Physical, and Inorganic Chemistry; A., II., Organic Chemistry; and A., III., Biochemistry; and that this shall also apply to Abstracts printed on one side of the page. Each section will be separately paginated, and the Abstracts printed on both sides of the page will be issued in separate covers. One index will be issued for the whole of British Chemical Abstracts, "A" and "B," as heretofore.

Fellows have the privilege of receiving all three sections of Abstracts "A" and the general Index, should they so desire, but it is believed that many Fellows will take only one or two sections, and thus avoid the need for storing and binding other sections which they would seldom use.

Another innovation is that Fellows may now obtain Abstracts "A" printed on one side of the page *instead* of the ordinary issue, on payment of a small charge.

Additional copies of sections of Abstracts "A," printed on either one or both sides of the page, may be purchased separately at special rates.

Biochemistry Abstracts.

In June 1935, the attention of Council was directed to the steady increase in the number of abstracts in the Biochemistry section of British Chemical Abstracts "A," and a committee was appointed to consider the matter. It was decided that, as a temporary measure, the Bureau of Chemical Abstracts should be asked to effect a ten per cent. reduction in Biochemistry Abstracts in 1936; but that the matter should be referred to a Joint Committee of representatives of the Chemical Society, the Biochemical Society, the Physiological Society, and "Nutrition Abstracts and Reviews," with the Editor of British Chemical Abstracts, for consideration and report. This Joint Committee was instituted in November 1935, but representatives of "Nutrition Abstracts and Reviews" afterwards withdrew. In its report issued in November 1936, the Joint Committee recommended a definite scheme for the future publication of abstracts in biochemistry and physiology. The proposals are still under consideration.

(3) Annual Reports.

Volume XXXII of the Annual Reports for 1935 was published in April, and included, in addition to the usual reports, a biennial report on Crystallography for 1934 and 1935. It contained 485 pages compared with 408 pages in the previous volume.

III. MEETINGS.

(1) *Scientific Meetings.*

The Society has held 14 meetings in London during the period March to December. These included 3 Lectures, 2 organised Discussions and 9 Ordinary Scientific Meetings at which 28 papers were read and discussed.

In arranging the organised Discussions it is now the practice for the opener to suggest

the names of certain Fellows who should be specially invited to contribute, and thus ensure that attention is given to various aspects of the subject chosen. Contributions from other Fellows desiring to take part in the discussion are, of course, always welcomed.

Eighteen meetings which were held outside London, included 16 lectures, and 2 meetings for the reading and discussion of papers. Fellows were also invited to attend the Bedson Lectures at Newcastle-on-Tyne.

A complete list of lectures and discussions is given in Appendix D to this report.

(2) *Anniversary Meetings.*

A report of the Anniversary Meetings held in Bristol in April 1936 appeared in the *Journal and Proceedings* for that month. The thanks of the Council were conveyed to the Chancellor, Council and Senate of the University of Bristol for hospitality; to the Director of the Agricultural Research Station, the National Smelting Co., Ltd., and Messrs. J. S. Fry & Sons, Ltd., for the visits; and to the Officers and Members of the Reception Committee for their valuable services in arranging the meetings.

IV. LIBRARY.

(1) *Management.*

In accordance with the terms of the Agreement entered into between the Chemical Society, the Institute of Chemistry, and the Society of Chemical Industry in the formation of the Chemical Council, the management of the Library has been delegated by the Council of the Chemical Society to a Joint Library Committee consisting of representatives nominated by the Councils of the three constituent bodies and by other organisations contributing to its maintenance.

The constitution of this Committee is as follows :

Chemical Society (14) : Prof. H. Bassett, Dr. O. L. Brady, Prof. J. W. Cook, Dr. C. H. Desch, Mr. M. B. Donald, Prof. A. C. G. Egerton, Dr. H. J. Emeléus, Prof. G. I. Finch, Prof. C. R. Harington, Dr. T. A. Henry, Dr. E. W. McClelland, Dr. W. H. Mills, Dr. E. E. Turner, and Dr. J. C. Withers.

Institute of Chemistry (4) : Prof. H. V. A. Briscoe, Mr. H. W. Cremer, Dr. J. J. Fox, and Dr. E. Vanstone.

Society of Chemical Industry (3) : Dr. J. B. Firth, Mr. A. McCulloch, and Prof. H. Raistrick.

Association of British Chemical Manufacturers : Sir Robert Mond.

Biochemical Society : Dr. P. Haas.

Faraday Society : Prof. J. R. Partington.

Institute of Brewing : Mr. H. W. Harman.

Society of Dyers and Colourists : Dr. C. Dorée.

Society of Public Analysts : Dr. C. Ainsworth Mitchell.

The Committee has elected Dr. O. L. Brady as its Chairman; and the Librarian acts as Secretary. Some adjustment was required to meet the new conditions resulting from the agreement and a sub-committee has been set up to revise the Library Rules and to consider general procedure. The former task has been completed, and the new rules will come into operation shortly when final approval has been given by the Chemical Council. A sub-committee has also been appointed to consider ways of meeting the urgent need for increased Library accommodation.

The Report of the Joint Library Committee is printed as Appendix C to this Report.

V. OTHER ACTIVITIES.

(1) *Grants for Research.*

In December applications for grants for research amounting to £908 were received from 86 Fellows. Grants amounting to £622 were allotted.

(2) *Decoration of Premises.*

The Council decided to re-decorate the apartments of the Society. The cost of this, amounting to £309 3s. 6d., has been met out of the Spencer Bequest Account. Decorations were last carried out in 1923.

VI. ADMINISTRATION.*(1) Council.**Secretaryship.*

In June the Council received with much regret the resignation of Professor J. M. Gulland from the Office of Honorary Secretary on his appointment to the Chair of Chemistry at University College, Nottingham, and recorded its appreciation of the valuable services he rendered to the Society during his period of office from 1933 to 1936. Dr. C. W. Davies was appointed to fill the vacancy until the next Annual General Meeting in March, 1937.

Vacancy on Council.

Professor R. Robison was appointed an Ordinary Member of Council until the next Annual General Meeting to fill the vacancy caused by the election of Professor J. W. Cook as Honorary Secretary.

Service on Council of Vice-Presidents who have filled the office of President :—

Consideration has been given to the operation of Bye-Law VIII, which regulates the conditions of Service on Council of Vice-Presidents who have filled the office of President, and Council has decided to recommend to Fellows an amendment of this Bye-Law to remedy certain defects in its operation.

(2) Local Representatives.

During the year, the Council has accepted with much regret the resignation of the following Local Representatives: Prof. F. G. Soper (North Wales), Dr. A. Lauder (Edinburgh), Prof. W. H. Lewis (Exeter), and Dr. F. Fairbrother (Manchester), and has expressed its high appreciation of their valuable services. Dr. A. E. Bradfield, Dr. J. A. V. Butler, Prof. H. T. S. Britton, and Dr. G. N. Burkhardt were appointed to fill the respective vacant places.

A meeting of Local Representatives was held at the University of Bristol on the 17th April. Various suggestions put forward at this meeting were referred by Council to a committee composed of Local Representatives and the Officers. On the recommendation of this Committee it was decided—

- (a) That the formation of Local Committees should be encouraged wherever desirable.
- (b) That when a Committee is formed, the Local Representative should be the principal executive Officer.
- (c) That opportunity should be given for the Committees to consider from time to time matters affecting the interests of the Society, and that the findings of the Committees should be communicated to the Council by the Local Representatives.
- (d) That the Council should make an annual grant of not exceeding £5 to each area towards the expenses involved in the organisation of meetings.
- (e) That Local Representatives should be appointed by the Council after consultation with the Local Committees, or with the Local Representative and Fellows in the area if a Committee has not been formed.
- (f) That each appointment should be for a period of three years, and that Local Representatives should be eligible for re-appointment for one further period of three years. In the case of the present Local Representatives, appointment should date as from the Annual General Meeting on the 16th April, 1936.

VII. FINANCE.*General Purposes Account.*

Expenditure has exceeded income by £303; in 1935 the adverse balance was £1642. The reduction of £1339 in the amount of the deficit is due mainly to a decrease of £666 in the amount contributed by the Society to the Library Fund. Also, in 1935 the sum of

£488 was allocated towards the cost of the Decennial Index, whilst this year this expenditure did not arise. Life Composition Fees show an increase of £131 due to one-third of these being taken as current income.

Publications Fund.

Income. Proceeds from the sale of publications were down by £14. Donations increased by £264.

Expenditure. The cost of the Journal is less by £66, Abstracts are up by £106 and Annual Reports by £112.

Life Composition Fees.

The Council decided that stock to the market value of £1863, representing the investment of £1451 2s. 11d. received on account of Life Composition Fees since 1923 should be transferred in the Balance Sheets from Publications Fund Account to General Purposes Account; that as from the 1st January, 1936, two-thirds of the Life Composition Fees should be capitalised and one-third treated as current income, and that this ruling should apply to Life Composition Fees amounting to £123 17s. 1d. received between June 1934 and December 1935, which had not yet been invested.

Donations.

The following donations have been received :

£700 from the Government Publications Grant (through the Royal Society),

£500 from Imperial Chemical Industries, Ltd.

The Council records its cordial thanks for these very welcome contributions to its funds.

Herbert Spencer Bequest.

The Society has received a bequest of £1241 under the will of the late Herbert Spencer.

Contributions to the Publications Fund.

The Council again expresses its appreciation of the generous assistance rendered by those Fellows who continue to subscribe annually towards the cost of the Society's publications.

Library Fund.

In accordance with the agreement constituting the Chemical Council, the three constituent bodies commenced to contribute to the cost of maintenance of the Library in proportion to their membership as from the 1st January, 1936. The amounts received under this scheme for 1936 were : £646 10s. from the Institute of Chemistry, £448 from the Society of Chemical Industry, and £382 19s. 10d. from the Chemical Society. In addition, £221 5s. was received from other contributing bodies. The Chemical Society has spent £820 0s. 9d. on the purchase of furniture, books, periodicals and binding, and has provided 97 copies of the Journal and 36 copies of the Abstracts "A" for exchange with other Journals.

VIII. RELATIONS WITH OTHER BODIES.

(1) *The Chemical Council.*

In the last report of Council reference was made to the formation and constitution of the Chemical Council.

During the year the Chemical Council has played an increasingly important part in co-ordinating the activities of the three constituent bodies—the Chemical Society, the Institute of Chemistry, and the Society of Chemical Industry. The establishment of the Joint Library Committee, and the operation of the agreement regarding contributions towards the cost of maintenance of the Chemical Society's Library are referred to in section IV of this Report. The first Annual Report of the Chemical Council is reproduced in full in Appendix A.

(2) *The Physiological Society and the Biochemical Society.*

See section II (2) of this Report.

(3) *The Physical Society and the Faraday Society.*

Arising out of the decision of the Chemical Society to revise the list of symbols authorised for use in its Journal, a Joint Committee of the Chemical Society, the Faraday Society, and the Physical Society was set up to secure a wider measure of agreement between chemists and physicists on the use of symbols for thermodynamical quantities. The scope of the work of the Joint Committee was afterwards extended to include symbols for other quantities of interest to both chemists and physicists. It is expected that the Joint Committee will present a final report early in 1937.

(4) *Representatives of the Society on other bodies.*

Association of British Chemical Manufacturers :

Committee *re* Patents and Designs Act : Prof. W. A. Bone.

Bristol University Court :

Prof. F. G. Donnan.

British National Committee for Chemistry :

President, Treasurer, and Senior Secretary.

British Standards Institution :

Council of Chemical Division : Dr. J. J. Fox.

Committees :

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

Standardisation of Scientific Glassware : Dr. J. J. Fox and Dr. E. B. Hughes.

Standards for use in Dairying Chemistry : Mr. A. L. Bacharach.

Chemical Symbols and Abbreviations : Dr. A. D. Mitchell.

Bureau of Chemical Abstracts :

Mr. F. P. Dunn, Mr. A. J. Greenaway, Dr. J. T. Hewitt, and the Senior Secretary, with the Treasurer *ex-officio*.

Chemical Council :

Prof. N. V. Sidgwick, Prof. I. M. Heilbron, and Sir Gilbert Morgan.

City and Guilds of London Institute :

The President.

Faraday Society :

Colloid Committee : Prof. R. Whytlaw-Gray.

Home Office :

Air Raid Precautions Department : Mr. J. Davidson Pratt.

Joint Library Committee : (see IV).

Joint Committee on Biochemistry Abstracts :

Prof. J. M. Gulland and Prof. R. Robinson.

Joint Committee on Thermodynamical Symbols :

Dr. H. J. T. Ellingham, Prof. G. I. Finch, Prof. C. N. Hinshelwood, and Prof. E. K. Rideal.

Lawes Agricultural Trust :

Committee of Management : Prof. H. E. Armstrong.

Royal Microscopical Society :

Standardisation of Biological Stains : Prof. F. M. Rowe.

(5) *Representatives of the Society at Public Functions.*

University of London Centenary Celebrations (29th June to 3rd July). The President.

American Academy of Political and Social Science, 40th Annual General Meeting, Philadelphia (24th and 25th April). Prof. W. D. Bancroft, Col. M. T. Bogert, and Prof. H. J. M. Creighton.

National Conference of Roumanian Chemists (Constanta, 21st May). Sir Robert Robertson.

IX. ACKNOWLEDGMENTS.

The Council expresses its cordial thanks to the many Fellows who have served the Society in various ways during the year, including Members of Committees, Referees of papers submitted for publication, Contributors to the Annual Reports, Local Representatives, and those who have given Lectures and opened Discussions.

The thanks of the Council have been conveyed to Mr. A. Bracher, Dr. J. N. Goldsmith, Miss T. M. Holmes, and to the Institute of Brewing, the Pontefract Public Library and the Royal Photographic Society for presenting volumes of the Society's publications; also to Dr. T. Seligman for a copy of the Ludwig Mond Memorial Medal in nickel and to the Wellcome Foundation, Ltd., for a replica of the medal struck to commemorate the services rendered to medicine and pharmacy by Dr. F. B. Power.

APPENDIX A.

FIRST ANNUAL REPORT OF THE CHEMICAL COUNCIL.

2nd December, 1936.

Constitution.—The Chemical Council was formed under a Deed of Agreement, to be in operation for seven years, between the Chemical Society, the Institute of Chemistry, and the Society of Chemical Industry—dated 1st July, 1935—for the administration of a fund for the co-ordination of scientific and technical publications, the publication of new discoveries in chemical science and their applications to the arts and manufactures, the promotion of research, the maintenance of a library for research and education purposes, and the provision and equipment of a suitable building or buildings for all or any of the purposes aforesaid.

The Council consists of twelve members, of whom three were nominated by each of the Councils of the Constituent Bodies, and three, as representatives of industry, co-opted (in the first instance) on the nomination of the Association of British Chemical Manufacturers.

The original Council was as follows :

Representing the Chemical Society :

Prof. I. M. Heilbron, D.S.O., D.Sc., F.R.S.
 Prof. (now Sir) Gilbert T. Morgan, O.B.E., LL.D., D.Sc., F.R.S.
 Prof. N. V. Sidgwick, C.B.E., M.A., Sc.D., F.R.S.

Representing the Institute of Chemistry :

F. G. Edmed, O.B.E., B.Sc., A.R.C.S., F.I.C.
 Patrick H. Kirkaldy, F.I.C.
 Prof. J. F. Thorpe, C.B.E., D.Sc., F.R.S.

Representing the Society of Chemical Industry :

L. H. Lampitt, D.Sc., F.I.C.
 Robert H. Pickard, D.Sc., F.R.S.
 J. Arthur Reavell, M.I.Chem.E., M.I.Mech.E.

Nominated by the Association of British Chemical Manufacturers :

A. E. Dunstan, D.Sc., F.I.C.
 J. Davidson Pratt, O.B.E., M.A., B.Sc., F.I.C.
 (The late) Wm. Rintoul, O.B.E., F.I.C.

Dr. Robert H. Pickard was appointed Chairman; Mr. J. Davidson Pratt, Vice-Chairman; and Professor Jocelyn F. Thorpe, Honorary Treasurer.

These Officers have been re-appointed for the ensuing year.

The Council records with deep regret the death of Mr. William Rintoul, in whose place Dr. R. E. Slade, M.C., F.I.C., has been co-opted.

The Council also regrets that, for reasons of health, Mr. Patrick H. Kirkaldy has recently been obliged to tender his resignation from the Council. The Council of the Institute of Chemistry has appointed Mr. W. A. S. Calder, F.I.C., in the place of Mr. Kirkaldy.

The Chemical Council has held twelve meetings.

Policy.—The Council, having appointed Officers and having framed Standing Orders for the conduct of its business, proceeded to determine its policy.

The Council aims at promoting co-operation between the three Chartered Chemical Organisations, with a view to effecting economies in administration and in publications,

INCOME AND EXPENDITURE ACCOUNT FOR THE FIFTEEN MONTHS FROM 1ST JULY, 1935, TO 30TH SEPTEMBER, 1936.

EXPENDITURE.					INCOME.				
	£	s.	d.	£	s.	d.	£	s.	d.
To Printing and Stationery	85	18	1						
„ Postages	35	10	0						
„ Stamp Duty on Deeds of Covenant	18	9	6						
„ Bank Charges	4	12	5						
„ Sundry Expenses	2	17	2						
				147	7	2			
„ Balance: Excess of Income over Expenditure for fif- teen months				6650	2	9			
				£6806	9	11			
							6785	15	9
							20	14	2
							£6806	9	11

23rd October, 1936.

(Signed) J. Y. FINLAY, C.A.
(J. Y. Finlay & Co., Ltd.)

Premises.—Preliminary consideration has been given to the question of premises. The offices at present occupied by the Society of Chemical Industry are very inadequate, and the lease thereof will expire early in 1937. There is now no available accommodation at Burlington House for the increasing Library of the Chemical Society.

The Registrar and Secretary of the Institute of Chemistry has acted as Honorary Secretary, and the Council has had the advantage of the services of the staff of the Institute.

APPENDIX B.

REPORT OF THE BUREAU OF CHEMICAL ABSTRACTS FOR 1936.

Three Meetings of the Bureau were held during the year.

Abstracts.—The total number of abstracts published during 1936 was 34,321 as compared with 31,349 in 1935, an increase of 2,972. The appended table shows the number of abstracts and pages printed in each quarter, as well as the average length, the figures for 1935 being included for comparison.

	Abstracts A.				Abstracts B.			
	1935.		1936.		1935.		1936.	
	No. of Abs.	Pages.	No. of Abs.	Pages.	No. of Abs.	Pages.	No. of Abs.	Pages.
1st quarter	4,630	422	4,464	396	3,326	272	3,840	286
2nd „	4,114	376	4,243	372	3,846	304	4,026	288
3rd „	4,056	384	4,396	398	3,596	288	4,386	320
4th „	3,855	370	4,295	406	3,926	304	4,671	344
	16,655	1,552	17,398	1,572	14,694	1,168	16,923	1,238
Average length per abstract.....	0.19 Col.		0.18 Col.		0.16 Col.		0.15 Col.	

The 17,398 "A" Abstracts comprised 7672 in General, Physical, and Inorganic Chemistry, 564 in Geochemistry, 3156 in Organic Chemistry, and 6006 in Biochemistry. The corresponding figures for 1935 were 7601, 519, 2617, and 5918.

Of the 16,923 "B" Abstracts, 8771 were from journal literature and 8152 were abstracts of Patents (in 1935, 8351 and 6342 respectively).

The number of pages of Biochemistry abstracts printed in 1936 was 431, compared with 477 in 1935. This reduction of approximately 10 per cent. was effected at the request of the Council of the Chemical Society. It will be observed that, in spite of this reduction in

number of pages, the number of Biochemistry abstracts printed shows an increase of 88 over 1935.

The most noteworthy changes in numbers of abstracts have been increases of 539 (20 per cent.) in Organic Chemistry and 1809 (28 per cent.) in the abstract of Patents.

At the request of the respective Councils, steps have been taken to issue the "A" Abstracts in three separate sections, A., I, General, Physical, and Inorganic Chemistry, and Geochemistry; A., II, Organic Chemistry; and A., III, Biochemistry; each with separate pagination and monthly author index, and also to publish the "B" Abstracts monthly instead of issuing each set fortnightly divided in two weekly issues. This latter change has been rendered possible by the decision of the Society of Chemical Industry to issue its Transactions and Abstracts separately from "Chemistry and Industry."

Editorial Staff.—No changes have taken place during the year, but it may be recorded that the arrangements for editing the Biochemistry Abstracts are operating very satisfactorily.

Annual Index.—The joint Annual Index to the Abstracts for 1935 covered 754 pages, an increase of 62 pages over the 692 of the 1934 Index. The cost of printing the Index was £1445 19s. 9d. and of the paper £290 8s. 3d. (corresponding figures for the 1934 Index were £1343 16s. 0d. and £259 13s. 7d.). The total number of entries in the Index were 105,850 compared with 97,050 in 1934.

The Bureau is glad to be able to record that the measures adopted last year for speeding up the publication of the Index resulted in the volume being issued at the end of March, instead of during May as in the previous year.

Decennial Index. It was reported that last year 809 copies of the Decennial Index had been sold up to the end of 1935. Sales of 50 copies during 1936 bring the total up to 859.

In accordance with the arrangements made last year for allocating net proceeds of sales of the Index, the sum of £115 has been forwarded to each of the two Societies during the year.

Indexing Arrangements. The existing arrangements for indexing the abstracts have been carefully reviewed by the Bureau during the year, and a report has been presented to the two Societies recommending that a permanent assistant be appointed early in 1937, and asking that early consideration be given to the question of providing premises for the indexing department.

APPENDIX C.

REPORT OF THE JOINT LIBRARY COMMITTEE FOR 1936.

Excluding the evenings on which meetings of the Chemical Society were held, there were 8917 attendances during the year, as compared with 8156 in 1935. Of these 5377 were made by Fellows of the Chemical Society, and 3540 by Members of Contributing Societies, as against 5128 and 3028 in 1935.

One person recommended by the Academic Assistance Council has availed himself of the privilege of reading in the Library.

The number of books borrowed was 5594, against 5509 in the previous year; of these 1650 were issued by post, compared with 1378 in the preceding year.

The Library telephone facilities are still extensively used, and the incoming calls included 937 enquiries which necessitated reference to books in the Library, as against 852 the previous year.

The additions to the Library comprise :

257 books, of which 71 were presented; 734 volumes of periodicals and 224 pamphlets; as against 203 books, 662 volumes of periodicals and 233 pamphlets last year.

Analysis.

	Attendances.	Books borrowed.	Books added.	Volumes of periodicals.	Pamphlets
1936	8917	5594	257	734	224
1935	8156	5509	203	662	233

The total number of volumes added during the year was 991. The Library now contains 40,666 volumes, consisting of 12,277 books and 28,389 bound volumes of periodicals.

APPENDIX D.

LECTURES AND DISCUSSIONS.

Lectures held in London.

28th May, Fifth Pedler Lecture, entitled "Synthesis in Biochemistry," by Professor R. Robinson; 29th October, on "Mediaeval Pigments and Mediums used in Painting," by Professor A. P. Laurie; 10th December, Sixth Liversidge Lecture, entitled "Study of Transmutation in the Chemical Laboratory," by Professor F. Paneth.

Discussions held in London.

19th March, Joint Discussion with the Biochemical Society on "The Chemistry and Biochemistry of Lipoids"; 19th November, on "Mesomerism in Organic Chemistry," opened by Professor C. K. Ingold.

Lectures held outside London.

Birmingham. At the University, Edgbaston: 2nd November, on "Sterols, Sex Hormones and Carcinogenic Hydrocarbons," by Professor J. W. Cook; 7th December, on "Infra-Red Spectra and Chemical Constitution," by Dr. J. J. Fox.

Bristol. At the H. H. Wills Physics Laboratory: 17th April, Hantzsch Memorial Lecture, by Professor T. S. Moore.

Edinburgh. At the University: 10th November, on "Photodichroism and Related Phenomena," by Professor F. Weigert; 8th December, on "Recent Researches on Hormones," by Professor G. Barger.

Exeter. At the University College: 28th October, on "Electrometric Methods of Analysis and Investigation," by Professor H. T. S. Britton (held under the auspices of the Institute of Chemistry).

Leeds. At the University: 26th November, on "The Biological Breakdown of Carbohydrates," by Dr. H. A. Krebs.

Liverpool. At the University: 30th October, on "Electron Diffraction and Surface Structure," by Professor G. Ingle Finch.

Manchester. At the Constitutional Club: 2nd October (joint meeting with the Manchester Section of the Society of Chemical Industry) on "Synthesis of Aliphatic Acids under High Pressure," by Dr. D. V. N. Hardy; 24th November (joint meeting with the Manchester Section of the Society of Chemical Industry and the Manchester University Chemical Society) on "Chemical Detection of Artificially Produced Elements," by Professor F. Paneth.

Newcastle and Durham. Bedson Lectures at Armstrong College: 8th May, on "The Chemical Properties of Metals," by Professor C. H. Desch; 20th November, on "Chemistry of Nutrition," by Professor J. C. Drummond.

North Wales. At University College, Bangor (joint meetings with the University College Chemical Society) : 30th October, on "The Biochemistry of Waxes," by Professor A. C. Chibnall.

Nottingham. At University College, University Park : 13th November (Joint meeting with Nottingham University College Physical and Chemical Society), on "Resonance in Organic Chemistry," by Professor N. V. Sidgwick. At University College, Shakespeare Street, 18th December (joint meeting with the Nottingham Section of the Society of Chemical Industry) on "Electrochemical Combustion of Fuel," by Dr. H. J. T. Ellingham.

Sheffield. At the University : 13th March, on "Carbohydrates," by Professor W. N. Haworth; 4th December, on "Molecular Structure of Strychnine," by Professor R. Robinson.

South Wales. At University College, Swansea (Joint Meetings with University College of Swansea Chemical Society) : 30th October, on "Lipochrome Pigments in Plants and Animals," by Professor I. M. Heilbron.

INCOME AND EXPENDITURE GENERAL PURPOSES ACCOUNT FOR THE YEAR ENDED 31st DECEMBER, 1936.

1935		Income.		1936		1935		Expenditure.		1936	
£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.
888	3 0	To Life Composition Fees (£404 7s. 1d.), one-third as Income	134	15 8	1978	6 3	By Administration Expenses:	1993	13 10	3069	15 1
7657	10 0	" Annual Subscriptions:	916	7 6	236	16 8	Office Salaries and Wages	236	7 6	212	9 4
369	4 3	" Received in advance, on account of 1936	7677	8 6	214	2 8	Superannuation	...	...	5841	19 1
		" " during 1936	345	0 0	52	10 0	House Expenses, etc. (proportion)	...	...	1203	0 7
		" " " 1935	14	0 0	279	15 1	Accountants' Charges	...	...	77	12 4
		" " " 1934 and previous years	8952	16 0	167	8 3	Miscellaneous Printing and Stationery (proportion)	...	...	83	17 8
8934	17 3	Less amount included in last year's Income, being valuation of Arrears as per last Balance Sheet	350	0 0	62	12 0	Miscellaneous	...	...	51	6 7
350	0 0	Add Arrears at date: £167 14s. 0d. Estimated to realise as per Balance Sheet	8602	16 0	2991	10 11	Expenses of Meetings	...	...	278	9 7
8934	17 3	Dividends on Investments	320	0 0	163	2 10	Donations	...	...	183	3 8
226	15 9	Income Tax recovered	350	0 0	5	0 0	British Standards Institution	...	...	5	0 0
14	18 2	Interest on Deposit	8602	16 0	5906	0 4	Contribution to Publications Fund	...	...	5841	19 1
5	0 0	Donation	320	0 0	75	0 0	Transfer to ditto (Life Composition Fees)	...	...	1203	0 7
64	9 6	Miscellaneous Receipts	320	0 0	1869	10 4	Contribution to Library Fund	...	...	77	12 4
1642	0 1	Excess of Expenditure over Income carried to Balance Sheet	320	0 0	74	16 3	Transfer to Staff Pensions Fund	...	...	83	17 8
£11,759	6 10		£10,493	19 1	488	2 11	Transfer to Special Publications Fund for Collettive Index, 1923-32	...	...	...	...
					48	15 5	Expenses of Local Representatives	...	...	...	...
					42	17 10	Expenses of formation of the Chemical Council	...	...	...	...
					64	5 0	Legal Expenses in connection with alterations to the Eye-Laws	...	...	...	...
					£11,759	6 10				£10,493	19 1

THE HERBERT SPENCER BEQUEST.

Income.		1936		Expenditure.		1936	
£	s. d.	£	s. d.	£	s. d.	£	s. d.
To Amount received from the Trustees	...	1241	0 0	By Expenditure on repairs to premises	...	309	3 6
		£1241	0 0	" Balance unexpended	...	931	16 6
						£1241	0 0

THE CHEMICAL SOCIETY. BALANCE SHEETS, 31ST DECEMBER, 1936

SPECIAL PUBLICATIONS FUND.

£ s. d.	£ s. d.	£ s. d.	£ s. d.
43 0 0	To Amount prepaid for 1937	1800 0 0	By Investment as per Schedule (cost or value when acquired)
25 4 6	" Sundry Creditors	460 16 7	" Cash at Bank
311 5 4	" Sinking Fund for Collective Index (1923-32)		
488 2 11	as per last Balance Sheet		
11 9	Add Transfer from General Purposes		
	" Interest		
800 0 0	Less Paid on Account to Bureau of Chemical Abstracts		
800 0 0			
1921 5 10	Excess of Assets over Liabilities as per last Balance Sheet	1921 12 1	
71 6 3	Add Excess of Income over Expenditure for Year		
	Less Excess of Expenditure over Income for Year	52 6 0	1940 6 1
			£2125 5 10
			£2060 16 7

SPECIAL LECTURES FUND.

£ s. d.	£ s. d.	£ s. d.	£ s. d.
1075 9 4	To Excess of Assets over Liabilities as per last Balance Sheet	1000 0 0	By Investment as per Schedule (cost or value when acquired)
12 19 3	Add Excess of Income over Expenditure for Year	88 8 7	" Cash at Bank
	Less Excess of Expenditure over Income for Year		
		21 15 10	
			£1066 12 9
			£1088 8 7

STAFF PENSIONS FUND.

£ s. d.	£ s. d.	£ s. d.	£ s. d.
907 14 0	To Excess of Assets over Liabilities as per last Balance Sheet	902 13 9	By Investments as per Schedule (cost or value when acquired)
£907 14 0		5 0 3	" Cash at Bank
			£907 14 0

THE EDWARD FRANK HARRISON MEMORIAL TRUST FUND.

£ s. d.	£ s. d.	£ s. d.	£ s. d.
1219 5 10	To Sundry Creditors	1101 7 11	By Investments as per Schedule (cost or value when acquired)
50 3 2	Excess of Assets over Liabilities as per last Balance Sheet	169 3 7	" Cash at Bank
	Add Excess of Income over Expenditure for Year		
	Less Excess of Expenditure over Income for Year	105 12 8	
		1163 16 4	
			£1163 16 4
			£1270 11 6

£1163 16 4

