

British Pharmaceutical Conference

NINETY-FIRST ANNUAL MEETING, OXFORD, 1954

REPORT OF PROCEEDINGS

OFFICERS:

President:

E. A. BROCKLEHURST, M.P.S.

Chairman:

H. DAVIS, C.B.E., B.Sc., Ph.D., F.P.S., F.R.I.C., London.

Vice-President:

(who filled the office of President prior to 1923)

E. SAVILLE PECK, M.A., F.P.S., Cambridge.

Vice-Chairmen:

R. R. BENNETT, B.Sc., F.P.S., F.R.I.C., Eastbourne.
C. H. HAMPSHIRE, C.M.G., M.B., B.S., B.Sc., F.P.S., F.R.I.C., London.
F. W. CROSSLEY-HOLLAND, L.M.S.S.A., M.P.S., London.
HAROLD DEANE, B.Sc., F.P.S., F.R.I.C., Sudbury.
H. HUMPHREYS JONES, F.P.S., F.R.I.C., Liverpool.
T. E. WALLIS, D.Sc., F.P.S., F.R.I.C., F.L.S., London.
H. BRINDLE, M.Sc., F.P.S., F.R.I.C., Manchester.
B. A. BULL, F.P.S., A.R.I.C., Nottingham.
NORMAN EVERS, Ph.D., F.R.I.C., Ware.
A. D. POWELL, M.P.S., F.R.I.C., Nottingham.
H. BERRY, B.Sc., Dip.Bact. (Lond.), F.P.S., F.R.I.C., London.
H. B. MACKIE, B.Pharm., F.P.S., Brighton.
G. R. BOYES, L.M.S.S.A., B.Sc., F.P.S., F.R.I.C., London.

Honorary Treasurer:

H. TREVES BROWN, B.Sc., F.P.S., London.

Honorary General Secretaries:

H. G. ROLFE, B.Sc., F.P.S., F.R.I.C., London.
E. F. HERSANT, B.Pharm., Ph.D., F.P.S., London.

Other Members of the Executive Committee:

The CHAIRMAN of the Executive of the Scottish Department of the Pharmaceutical Society of Great Britain (*ex officio*).
The PRESIDENT of the Pharmaceutical Society of Ireland (*ex officio*).
The PRESIDENT of the Pharmaceutical Society of Northern Ireland (*ex officio*).

K. BULLOCK, M.Sc., Ph.D., F.P.S.,
Manchester.

T. C. DENSTON, B.Pharm., F.P.S.,
F.R.I.C., London.

G. E. FOSTER, B.Sc., Ph.D., F.R.I.C.,
Dartford.

F. HARTLEY, B.Sc., Ph.D., F.P.S.,
F.R.I.C., London.

*G. H. HUGHES, M.P.S., Colwyn Bay.
J. M. ROWSON, M.Sc., Ph.D., F.P.S.,
F.L.S., London.

*W. J. TRISTRAM, M.P.S., Liverpool.
T. D. WHITTET, B.Sc., F.P.S., A.R.I.C.,
London.

* Members nominated by the Council of the Pharmaceutical Society of Great Britain.

PROCEEDINGS OF CONFERENCE OXFORD, 1954

THE OPENING SESSION

The opening session of the Conference was held in the Playhouse, Oxford, on Monday, September 13, with Mr. E. A. Brocklehurst, President of the Conference (President of the Pharmaceutical Society) in the Chair. On the platform were the Chairman of the Conference (Dr. H. Davis), the Deputy Mayor of Oxford (Councillor A. B. Brown), the Chairman and Secretary of the Local Conference Committee (Mr. W. R. Smart and Mr. T. R. Hardy), the Honorary General Secretaries (Mr. H. G. Rolfe and Dr. E. F. Hersant), the Honorary Treasurer (Mr. H. Treves Brown), together with members of the Conference Executive Committee.

The President introduced the Deputy Mayor, who welcomed the Conference on behalf of the Mayor and City of Oxford. The President thanked Councillor Brown on behalf of the Conference for his welcome.

The President then handed over the further conduct of the Conference to the Chairman (Dr. H. Davis), who delivered his address entitled "The National Health Service and Pharmacy," which is printed in full in the *Journal of Pharmacy and Pharmacology*, 1954, 6, pages 761 to 772.

On the proposition of Mr. W. Trillwood, seconded by Mr. F. R. C. Bateson, the Conference accorded a hearty vote of thanks to the Chairman for his address.

CIVIC RECEPTION

On the evening of Monday, September 13, a Civic Reception was held at the Town Hall. The guests were received by the Mayor of Oxford (Alderman W. R. Gowers, M.A.) and the Mayoress. A dance was held after the reception.

THE SCIENCE SESSIONS

Meetings were held on Tuesday, Wednesday and Friday, September 14, 15 and 17 in St. Hugh's College, the Chairman presiding.

During the sessions the following 23 papers were communicated:—

1. "The Stability of Injection of Succinylcholine Chloride"—By M. P. Earles, B.Pharm., G. E. Foster, Ph.D., B.Sc., F.R.I.C., Beryl L. Hardstone, B.Sc., and G. A. Stewart, B.Sc., A.R.I.C.
2. "The Spectrophotometric Determination of Vitamin D in Pharmaceutical Preparations. Part I. Solution of Calciferol, B.P."—By A. R. Rogers, B.Sc., B.Pharm., F.P.S., A.R.I.C.
3. "The Active Constituents of Raspberry Leaves. A Preliminary Investigation."—By A. H. Beckett, B.Sc., Ph.D., F.P.S., F.R.I.C., F. W. Belthle, B.Pharm., K. R. Fell, B.Pharm., F.P.S., and M. F. Lockett, M.D., M.R.C.P., Ph.D.
4. "A Study of the Pharmacopœial Method for the Preparation of Solution of Chloroxyleneol."—By J. B. Lloyd, M.P.S., and Barbara W. Clegg, F.P.S.
5. "The Reaction of Aromatic Aldehydes with Pharmaceutical Amino Compounds. Part I."—By C. G. Butler, B.Pharm., A.R.I.C., and P. H. B. Ingle, F.P.S.
6. "Emulsifying Properties of Polyethyleneglycol Ethers of Cetostearyl Alcohol."—By J. W. Hadgraft, F.P.S., A.R.I.C.
7. "A Rheological Study of the Effect of Bentonite on Heated Emulsions."—By Arnold Axon, M.S. (Wisconsin), B.Pharm., F.P.S.
8. "A Statistical Study of Variation in Surgical Dressings."—By R. Maxwell Savage, Ph.D., M.A., F.R.I.C.
9. "The Bactericidal Action of Volatile Substances. Part I. Disinfection of Powders Containing Spores, by Means of Gaseous Formaldehyde."—By Kenneth Bullock, M.Sc., Ph.D., F.P.S., and E. A. Rawlins, F.P.S.

10. "The Value of Adsorbents for Detecting Survival in Bacterial Populations Exposed to Phenols."—By S. E. Jacobs, D.Sc., Ph.D., A.R.C.S., and N. D. Harris, B.Pharm., Ph.D., D.I.C., F.P.S.
11. "The Assay of Tincture of Digitalis and of the Glycosides of *Digitalis purpurea*."—By H. Brindle, M.Sc., F.P.S., F.R.I.C., G. Rigby, M.Sc., F.P.S., F.R.I.C., Dip.Bact., and S. N. Sharma, M.Pharm. (Benares).
12. "Observations on the Ageing of Digitalis Tinctures."—By F. Fish, B.Pharm., F.P.S., and J. P. Todd, Ph.D., F.P.S., F.R.I.C.
13. "A Method for Studying Percutaneous Absorption in the Rat."—By J. W. Hadgraft, F.P.S., A.R.I.C., and G. F. Somers, B.Sc., Ph.D., F.P.S.
14. "The Application of Infra-Red Spectroscopy to Pharmaceutical Analysis."—By D. C. Garratt, B.Sc., Ph.D., F.R.I.C., and P. G. Marshall, B.A.
15. "The Leucocyte Response in the Rabbit to Pyrogen from *Proteus vulgaris*. Part II. Neutrophil and Temperature Responses."—By W. Anderson, B.Sc., F.P.S., and J. P. Todd, Ph.D., F.P.S., F.R.I.C.
16. "The Photometric Determination of Quaternary Ammonium Salts and of Certain Amides by Compound Formation with Indicators. Part I. Quaternary Ammonium Salts."—By C. W. Ballard, B.Sc., F.P.S., A.R.I.C., J. Isaacs, B.Sc., A.R.I.C., and P. G. W. Scott, B.Sc.
17. "Synthetic Analgesics: Stereochemical Considerations."—By A. H. Beckett, B.Sc., Ph.D., F.P.S., F.R.I.C., and A. F. Casy, B.Sc., F.P.S., A.R.I.C.
18. "The Assay of Benzathine Penicillin by Titration in a Non-aqueous Solvent."—By C. Knight and W. H. Stephenson, F.P.S., D.B.A., F.R.I.C.
19. "The Chemistry of *Aristolochia* spp. I. The Petrol-Soluble Fraction from *Aristolochia reticulata*."—By J. B. Stenlake, B.Sc., Ph.D., F.P.S., A.R.I.C., and W. D. Williams, B.Pharm., F.P.S.
20. "Demineralised Water for Pharmaceutical Purposes."—By L. Saunders, B.Sc., Ph.D., F.R.I.C.
21. "The Entrainment of Liquid During Distillation."—By E. Shotton, B.Sc., F.P.S., F.R.I.C., and A. F. S. A. Habeeb, B.Pharm. (Cairo), Ph.D.
22. "The Stability of Aqueous Solutions of Ferrous Gluconate."—By C. A. Johnson, B.Sc., B.Pharm., F.P.S., A.R.I.C., and J. A. Thomas, M.P.S.
23. "Stability of Sugar-Coated Penicillin Tablets."—By F. W. Ashby, P. W. Muggleton, Ph.D., B.Sc., F. Taylor, B.Sc., M.P.S., and W. A. Woodard, M.P.S.

The papers are printed in full with reports of discussions in the *Journal of Pharmacy and Pharmacology*, 1954, 6, pages 773 to 905 and 944 to 1053.

THE SYMPOSIUM SESSION

A symposium on Tablets was held on Thursday, September 16. The Chairman presided, and Messrs. H. D. Fitch, H. Burlinson and T. C. Denston read introductory papers. A report of the meeting is printed in the *Journal of Pharmacy and Pharmacology*, 1954, 6, pages 1054 to 1080.

MEETING OF BRANCH REPRESENTATIVES

During the Conference a meeting of Branch Representatives of the Pharmaceutical Society, arranged by the Council, was held. Sessions were held in the morning and afternoon of Wednesday, September 15, with the President of the Society, Mr. E. A. Brocklehurst, in the chair. The subject discussed was "Developments and Changes in Pharmaceutical Practice in Post-War Years."

A report of the sessions was published in *The Pharmaceutical Journal*, 1954, 173, pages 245 to 257.

THE CLOSING SESSION

The closing session of the Conference was held on Friday, September 18, in the Playhouse, Oxford, the Chairman, Dr. H. Davis, presiding.

VOTE OF THANKS TO THE OXFORD COMMITTEE

The CHAIRMAN called on Mr. M. Costello (President of the Pharmaceutical Society of Ireland) to propose a vote of thanks to the Local Committee. This was seconded by Mr. S. Hughan (Glasgow), Chairman

of the Executive of the Scottish Department. The Chairman then presented to the Oxford Branch of the Pharmaceutical Society an ivory gavel provided from the Bell and Hills Fund. Mr. W. R. Smart (Chairman of the Local Committee) replied to the vote of thanks and acknowledged the gift.

ANNUAL REPORT

Mr. H. G. ROLFE presented the following Annual Report of the Executive Committee:—

Your Executive have pleasure in presenting the Ninety-first Annual Report.

MEMBERSHIP.—In addition to Members, Honorary Members and Students of the Pharmaceutical Society, together with the Members of the Pharmaceutical Society of Northern Ireland, the Conference includes 61 members elected by the Executive.

CONFERENCE RESEARCH PAPERS.—Twenty-four papers were submitted and twenty-three accepted for presentation to the Conference. The Executive thank the authors for their contributions.

FINANCIAL ASSISTANCE FROM THE SOCIETY.—The Council of the Society again placed at the disposal of the Executive a sum of up to £500 which has been used to assist younger members to attend the Conference. Twenty-three members took advantage of the offer. The Executive are grateful to the Council for their generous assistance.

JOURNAL OF PHARMACY AND PHARMACOLOGY.—The report of the meeting of the Conference at London was published in the 5th Volume of the *Journal of Pharmacy and Pharmacology*. The Executive has been represented on the Editorial Committee by the Chairman (Dr. H. Davis), Dr. G. R. Boyes, and the Senior Honorary General Secretary.

RELATIONSHIP WITH THE SOCIETY.—Discussions have continued with the Council of the Society.

GRANT FROM LONDON LOCAL COMMITTEE.—The Executive have to record their gratitude to the London Local Committee 1953 for the donation of a sum of £250, to be used primarily to provide a fund from which loans may be made to Local Committees for use when commencing arrangements for the entertainment of the Conference.

FUTURE MEETINGS.—An invitation will be presented at this meeting for the Conference to meet in Aberdeen in 1955.

Invitations for future meetings of the Conference have been provisionally accepted as follows:—1956 from the Pharmaceutical Society of Ireland to meet in Dublin; 1957 from the Bristol and District Branch to meet in Bristol; 1958 from the Sheffield and District Branch to meet in Sheffield.

Several other Branches of the Society have made preliminary enquiries regarding the possibility of entertaining the Conference and the Executive are grateful for all these offers of hospitality.

OFFICERS OF THE CONFERENCE.—Your Executive have nominated the following Officers for 1954–1955:—

President (ex officio): The President of the Pharmaceutical Society of Great Britain. *Chairman:* J. P. Todd. *Vice-President* (who held the office of President prior to 1923): E. Saville Peck. *Vice-Chairmen:* R. R. Bennett, C. H. Hampshire, F. W. Crossley-Holland, H. Deane, H. Humphreys Jones, T. E. Wallis, H. Brindle, B. A. Bull, Norman Evers, A. D. Powell, H. Berry, H. B. Mackie, G. R. Boyes and H. Davis. *Honorary Treasurer:* H. Treves Brown. *Honorary General Secretaries:* H. G. Rolfe and E. F. Hersant. *Other members of the Executive:* K. Bullock, T. C. Denston, D. C. Garratt, W. Mitchell, J. M. Rowson, T. D. Whittet, with the following nominated by the Council of the Pharmaceutical Society of Great Britain: T. Heseltine, G. H. Hughes, H. Steinman, and the following *ex-officio:* The Chairman of the Executive of the Scottish Department, the President of the Pharmaceutical Society of Ireland, the President of the Pharmaceutical Society of Northern Ireland, the Chairman of the Local Committee and the Honorary Local Secretary.

Dr. G. R. BOYES proposed the acceptance of the Report and the election of officers of the Conference for the ensuing year, and congratulated the newly-elected officers. Dr. J. G. Dare seconded, and the report was adopted.

Professor J. P. TODD thanked the Conference on behalf of the newly-elected officers.

TREASURER'S REPORT

Mr. H. TREVES BROWN presented and proposed the adoption of the following Report and Statement of Accounts for the year 1954:—

During the year ending 31st December, 1953, the Executive purchased replicas of the Chairman's badge with the result that there was an excess of expenditure over income amounting to £69 16s. 10d. The Accumulated Fund on December 31, 1953, amounted to £1743 15s. 8d. This amount is represented by Cash at Bank £50 6s. 1d., Post Office Savings Bank Account £193 9s. 7d., and Savings Bonds £200 0s. 0d., the unspent balance of the Pharmaceutical Society of Northern Ireland donations, £50, together with the original donation by Alderman Clayton of Consols to the nominal value of £1,250 0s. 0d. The realisable value of the Fund at the end of the year was £1,278 15s. 8d.

Subscriptions from elected members, including a composition fee from the Pharmaceutical Society of Northern Ireland, amounted to £152 0s. 0d. and were credited to the account of the Journal of Pharmacy and Pharmacology.

The expenditure of £1570 5s. 2d., which included £182 12s. 4d., the cost of the scheme for assisting young pharmacists, £584 15s. 1d., for the entertainment of foreign visitors, and £316 4s. 11d., the cost of a History of Pharmacy Exhibition, paid by the Pharmaceutical Society towards the general expenses of the Conference, was included in the Pharmaceutical Society's financial statement presented at the Annual Meeting in May of this year.

BRITISH PHARMACEUTICAL CONFERENCE ACCOUNT

INCOME AND EXPENDITURE ACCOUNT, 1953

| <i>Expenditure</i> | £ | s. | d. | <i>Income</i> | £ | s. | d. |
|---------------------------------|------|----|----|---|------|----|----|
| Replicas of Chairman's Badge .. | 129 | 0 | 2 | Interest on 2½% Consols .. | 21 | 12 | 9 |
| | | | | Interest on 3% Savings Bonds .. | 6 | 0 | 0 |
| | | | | Interest on P.O. Savings Bank Account .. | 6 | 10 | 7 |
| | | | | Transfer from Pharmaceutical Society of Northern Ireland Donation Fund .. | 25 | 0 | 0 |
| | | | | Deficit carried to Balance Sheet .. | 69 | 16 | 10 |
| | £129 | 0 | 2 | | £129 | 0 | 2 |

BALANCE SHEET AT DECEMBER 31, 1953

| <i>Liabilities</i> | £ | s. | d. | <i>Assets</i> | £ | s. | d. |
|---|-------|----|----|---|-------|----|----|
| Accumulated Fund as at 31.12.52 .. | 1788 | 12 | 6 | Investments (a) £1250 2½% Consols (Donation by the late Alderman Clayton of Birmingham) (Market value at December 31, 1953: £802) | 1250 | 0 | 0 |
| Add Donation of Pharmaceutical Society of Northern Ireland (1952) | 25 | 0 | 0 | Investments (b) £200 3% Savings Bonds 1960-70 (Market value at December 31, 1953: £183) .. | 200 | 0 | 0 |
| | 1813 | 12 | 6 | Post Office Savings Bank Account .. | 193 | 9 | 7 |
| Less Deficit 1953 | 69 | 16 | 10 | Pharmaceutical Society of Northern Ireland Donation, less disbursements .. | 50 | 0 | 0 |
| | 1743 | 15 | 8 | Cash at Westminster Bank 31.12.53 .. | 50 | 6 | 1 |
| | £1743 | 15 | 8 | | £1743 | 15 | 8 |

H. TREVES BROWN,
Honorary Treasurer.

The President seconded, and the Report was adopted.

The Chairman then presented, on behalf of the members of the Conference, a silver coffee service to Mr. H. Treves Brown to mark their recognition of his services as Honorary Secretary during nine years.

Mr. Treves Brown expressed his deep appreciation of the gift and of the generosity of the members.

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British Pharmaceutical Conference

INAUGURAL MEETING HELD AT NEWCASTLE-ON-TYNE IN 1863

| Years | Places of Meeting | Presidents | Local Secretaries |
|-------|----------------------|--|----------------------------|
| 1864 | BATH .. | HENRY DEANE, F.L.S. | J. C. POOLEY. |
| 1865 | BIRMINGHAM .. | HENRY DEANE, F.L.S. | W. SOUTHALL, JUN. |
| 1866 | NOTTINGHAM .. | Prof. BENTLEY, F.L.S. | J. H. ATHERTON, F.C.S. |
| 1867 | DUNDEE .. | Prof. BENTLEY, F.L.S. | J. HODGE. |
| 1868 | NORWICH .. | DANIEL HANBURY, F.R.S. | F. SUTTON, F.C.S. |
| 1869 | EXETER .. | DANIEL HANBURY, F.R.S. | M. HUSBAND. |
| 1870 | LIVERPOOL .. | W. W. STODDART, F.C.S. | E. DAVIES, F.C.S. |
| 1871 | EDINBURGH .. | W. W. STODDART, F.C.S. | J. DUTTON (Birkenhead). |
| 1872 | BRIGHTON .. | H. B. BRADY, F.R.S. | J. MACKAY, F.C.S. |
| 1873 | BRADFORD .. | H. B. BRADY, F.R.S. | T. GLAISYER. |
| 1874 | LONDON .. | THOS. B. GROVES, F.C.S. | R. PARKINSON, Ph.D. |
| 1875 | BRISTOL .. | THOS. B. GROVES, F.C.S. | M. CARTEIGHE, F.C.S. |
| 1876 | GLASGOW .. | Prof. REDWOOD, F.C.S. | J. PITMAN. |
| 1877 | PLYMOUTH .. | Prof. REDWOOD, F.C.S. | A. KINNINMONT. |
| 1878 | DUBLIN .. | G. F. SCHACHT, F.C.S. | R. J. CLARK. |
| 1879 | SHEFFIELD .. | G. F. SCHACHT, F.C.S. | W. HAYES. |
| 1880 | SWANSEA .. | W. SOUTHALL, F.L.S. | H. MALEHAM. |
| 1881 | YORK .. | R. REYNOLDS, F.C.S. | J. HUGHES. |
| 1882 | SOUTHAMPTON .. | Prof. ATTFIELD, F.R.S. | J. OWRAY. |
| 1883 | SOUTHPORT .. | Prof. ATTFIELD, F.R.S. | O. R. DAWSON. |
| 1884 | HASTINGS .. | J. WILLIAMS, F.C.S. | Wm. ASHTON. |
| 1885 | ABERDEEN .. | J. B. STEPHENSON. | F. ROSSITER. |
| 1886 | BIRMINGHAM .. | T. GREENISH, F.C.S. | A. STRACHAN. |
| 1887 | MANCHESTER .. | S. R. ATKINS, J.P. | CHAS. THOMPSON. |
| 1888 | BATH .. | F. B. BENDER, F.C.S. | F. B. BENDER, F.C.S. |
| 1889 | NEWCASTLE-ON-TYNE .. | C. UMNEY, F.I.C., F.C.S. | H. HUTTON. |
| 1890 | LEEDS .. | C. UMNEY, F.I.C., F.C.S. | T. M. CLAGUE. |
| 1891 | CARDIFF .. | W. MARTINDALE, F.C.S. | F. W. BRANSON, F.C.S. |
| 1892 | EDINBURGH .. | E. C. C. STANFORD, F.C.S. | ALFRED COLEMAN. |
| 1893 | NOTTINGHAM .. | OCTAVIUS CORDER. | PETER BOA. |
| 1894 | OXFORD .. | N. H. MARTIN, F.L.S., F.R.M.S. | C. A. BOLTON. |
| 1895 | BOURNEMOUTH .. | N. H. MARTIN, F.L.S., F.R.M.S. | H. MATTHEWS. |
| 1896 | LIVERPOOL .. | W. MARTINDALE, F.C.S. | STEWART HARDWICK. |
| 1897 | GLASGOW .. | Dr. C. SYMES. | T. H. WARDELOWORTH. |
| 1898 | BELFAST .. | Dr. C. SYMES. | H. O. DUTTON (Birkenhead). |
| 1899 | PLYMOUTH .. | J. C. C. PAYNE, J.P. | J. A. RUSSELL. |
| 1900 | LONDON .. | E. M. HOLMES, F.L.S. | R. W. MCKNIGHT. |
| 1901 | DUBLIN .. | G. C. DRUCE, M.A., F.L.S. | W. J. RANKIN. |
| 1902 | DUNDEE .. | G. C. DRUCE, M.A., F.L.S. | J. DAVY TURNEY. |
| 1903 | BRISTOL .. | T. H. W. IDRIS, M.P., F.C.S. | W. WARREN. |
| 1904 | SHEFFIELD .. | T. H. W. IDRIS, M.P., F.C.S. | HERBERT CRACKNELL. |
| 1905 | BRIGHTON .. | W. A. H. NAYLOR, F.I.C., F.C.S. | J. I. BERNARD. |
| 1906 | BIRMINGHAM .. | W. A. H. NAYLOR, F.I.C., F.C.S. | W. CUMMINGS. |
| 1907 | MANCHESTER .. | THOS. TYRER, F.I.C., F.C.S. | H. E. BOORNE. |
| 1908 | ABERDEEN .. | ROBT. WRIGHT, F.C.S. | H. ANTCLIFFE. |
| 1909 | NEWCASTLE-ON-TYNE .. | J. G. TOCHER, B.Sc., F.R.I.C. | W. W. SAVAGE. |
| 1910 | CAMBRIDGE .. | FRANCIS RANSOM, F.C.S. | C. G. YATES. |
| 1911 | PORTSMOUTH .. | W. F. WELLS. | C. THOMPSON. |
| 1912 | EDINBURGH .. | Sir EDWARD EVANS, J.P. | W. KIRKBY. |
| 1913 | LONDON .. | JOHN C. UMNEY, F.C.S. | W. F. HAY. |
| 1914 | CHESTER .. | E. H. FARR, F.C.S. | T. M. CLAGUE. |
| 1915 | LONDON .. | E. SAVILLE PECK, M.A. | H. W. NOBLE. |
| 1916 | LONDON .. | DAVID HOOPER, LLD., F.R.I.C. | A. A. DECK. |
| 1917 | LONDON .. | CHAS. ALEX HILL, B.Sc., F.R.I.C. | T. J. MALLETT. |
| 1918 | LONDON .. | CHAS. ALEX. HILL, B.Sc., F.R.I.C. | T. O. BARLOW. |
| 1919 | LONDON .. | W. KIRBY, M.Sc., F.C.S. | T. POSTLETHWAIT. |
| 1920 | LIVERPOOL .. | CHAS. ALEX. HILL, B.Sc., F.R.I.C. | THOS. STEPHENSON. |
| 1921 | SCARBOROUGH .. | E. SAVILLE PECK, M.A. | W. J. UGLOW WOOLCOCK. |
| 1922 | NOTTINGHAM .. | Prof. H. G. GREENISH, D.ès Sc., F.I.C. | R. CECIL OWEN, B.Sc. |
| | | | ----- |
| | | | ----- |
| | | | ----- |
| | | | ----- |
| | | | H. HUMPHREYS JONES, |
| | | | F.R.I.C. |
| | | | E. R. CROSS. |
| | | | E. C. CARR. |

| Years | Places of Meeting | Chairmen | Local Secretaries |
|-------|-------------------|--------------------------------|---------------------------|
| 1923 | LONDON .. | F. W. GAMBLE. | W. J. U. WOOLCOCK, C.B.E. |
| 1924 | BATH .. | EDMUND WHITE, B.Sc., F.I.C. | P. J. THOMPSON. |
| 1925 | GLASGOW .. | EDMUND WHITE, B.Sc., F.I.C. | W. H. HALLETT. |
| 1926 | LEICESTER .. | D. LLOYD HOWARD, J.P. | P. M. DUFF. |
| 1927 | BRIGHTON .. | D. LLOYD HOWARD, J.P. | J. BARKER. |
| 1928 | CHELTHAM .. | R. R. BENNETT, B.Sc., F.R.I.C. | F. W. BURGESS. |
| | | | P. JAMES. |

| Years | Places of Meeting | Chairmen | Local Secretaries |
|-------|-------------------|---|--|
| 1929 | DUBLIN .. | R. R. BENNETT, B.Sc., F.R.I.C. | V. E. HANNA. |
| 1930 | CARDIFF .. | J. T. HUMPHREY. | J. MURRAY. |
| 1931 | MANCHESTER .. | J. H. FRANKLIN. | R. G. EDWARDS. |
| 1932 | ABERDEEN .. | H. SKINNER. | H. M. DUGAN. |
| 1933 | LONDON .. | C. H. HAMPSHIRE, M.B., B.S., B.Sc., F.R.I.C. | H. N. LINSTEAD. |
| 1934 | LEEDS .. | C. H. HAMPSHIRE, M.B., B.S., B.Sc., F.R.I.C. | G. C. CRUMMACK. J. F. SIMON. |
| 1935 | BELFAST .. | F.W.CROSSLEY-HOLLAND, L.M.S.S.A. | D. L. KIRKPATRICK. |
| 1936 | BOURNEMOUTH .. | HAROLD DEANE, B.Sc., F.R.I.C. | V. J. SCAMPTON. |
| 1937 | LIVERPOOL .. | T. EDWARD LESCHER, O.B.E. | W. E. HUMPHREYS. |
| 1938 | EDINBURGH .. | J. RUTHERFORD HILL, O.B.E. | C. G. DRUMMOND. |
| 1939 | BIRMINGHAM .. | J. RUTHERFORD HILL, O.B.E. | D. J. RUSHTON. |
| 1940 | LONDON .. | H. HUMPHREYS JONES, F.R.I.C. | — |
| 1941 | LONDON .. | A. R. MELHUISE. | — |
| 1942 | LONDON .. | T. E. WALLIS, D.Sc., F.R.I.C., F.L.S. | — |
| 1943 | LONDON .. | T. E. WALLIS, D.Sc., F.R.I.C., F.L.S. | — |
| 1944 | LONDON .. | H. BRINDLE, B.Sc., F.R.I.C. | — |
| 1945 | LONDON .. | H. BRINDLE, B.Sc., F.R.I.C. | — |
| 1946 | LONDON .. | B. A. BULL, A.R.I.C. | — |
| 1947 | TORQUAY .. | B. A. BULL, A.R.I.C. | T. D. EVANS. |
| 1948 | BRIGHTON .. | NORMAN EVERS, Ph.D., F.R.I.C. | A. WILSON. |
| 1949 | BLACKPOOL .. | NORMAN EVERS, Ph.D., F.R.I.C. | P. VARLEY. T. A. DURKIN. A. OFFICER. |
| 1950 | GLASGOW .. | A. D. POWELL, F.R.I.C. | R. W. JACKSON. |
| 1951 | HARROGATE .. | H. BERRY, B.Sc., Dip. Bact. (London), F.R.I.C. | — |
| 1952 | NOTTINGHAM .. | H. B. MACKIE, B.Pharm. | W. E. NEWBOLD. Miss G. M. WATSON. |
| 1953 | LONDON .. | G. R. BOYES, L.M.S.S.A., B.Sc., F.R.I.C. | J. M. ROWSON. |
| 1954 | OXFORD .. | H. DAVIS, C.B.E., B.Sc., Ph.D., F.R.I.C. | T. R. HARDY |

Honorary Treasurers (One)

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| 1863 to 1870, H. B. BRADY, F.R.S. | 1925 to 1927, R. R. BENNETT, B.Sc., F.R.I.C. |
| 1870 to 1877, GEORGE F. SCHACHT, F.C.S. | 1927 to 1934, F. W. CROSSLEY-HOLLAND, L.M.S.S.A. |
| 1877 to 1884, C. EKIN, F.C.S. | 1934 to 1936, T. E. LESCHER, O.B.E. |
| 1884 to 1888, C. UMNEY, F.I.C., F.C.S. | 1936 to 1940, A. R. MELHUISE. |
| 1888 to 1890, W. MARTINDALE, F.C.S. | 1940 to 1947, T. MARNS. |
| 1890 to 1893, R. H. DAVIES, F.I.C., F.C.S. | 1947 to 1952, G. R. BOYES, L.M.S.S.A., B.Sc., F.R.I.C. |
| 1893 to 1898, JOHN MOSS, F.I.C., F.C.S. | 1952 to 1953, H. DAVIS, B.Sc., Ph.D., F.R.I.C. |
| 1898 to 1912, JOHN C. UMNEY, F.C.S. | 1953 to H. TREVES BROWN, B.Sc. |
| 1912 to 1925, D. LLOYD HOWARD, J.P., F.C.S. | |

Honorary General Secretaries (Two)

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| 1863 to 1880, PROF. ATTFIELD, Ph.D., F.R.S. | 1912 to 1923, R. R. BENNETT, B.Sc., F.R.I.C. |
| 1863 to 1871, RICHARD REYNOLDS, F.C.S. | 1919 to 1929, C. H. HAMPSHIRE, C.M.G., M.B., B.S., B.Sc., F.R.I.C. |
| 1871 to 1884, F. BENDER, F.C.S. | 1923 to 1927, F. W. CROSSLEY-HOLLAND, L.M.S.S.A. |
| 1880 to 1882, M. CARTEIGHE, F.C.S. | 1927 to 1944, C. E. CORFIELD, B.Sc., F.R.I.C. |
| 1881 to 1886, SIDNEY PLOWMAN, F.R.C.S. | 1929 to 1947, G. R. BOYES, L.M.S.S.A., B.Sc., F.R.I.C. |
| 1884 to 1890, JOHN C. THRESH, M.B., D.Sc. | 1944 to 1953, H. TREVES BROWN, B.Sc. |
| 1886 to 1901, W. A. H. NAYLOR, F.I.C., F.C.S. | 1947 to H. G. ROLFE, B.Sc., F.R.I.C. |
| 1890 to 1903, F. RANSOM, F.C.S. | 1953 to E. F. HERSANT, B.Pharm., Ph.D. |
| 1903 to 1909, EDMUND WHITE, B.Sc., F.I.C. | |
| 1901 to 1912, E. SAVILLE PECK, M.A. | |
| 1909 to 1919, HORACE FINNEMORE, B.Sc., F.R.I.C. | |

Closing Session (continued).

PLACE OF MEETING FOR 1955

Mr. W. T. ELDER, on behalf of the Aberdeen and North Eastern Scottish Branch of the Pharmaceutical Society, extended an invitation to hold the Conference in Aberdeen in 1955.

Miss G. M. WATSON proposed that the invitation be accepted, and Dr. J. B. STENLAKE seconded. The vote was put to the meeting and unani- mously carried.

VOTE OF THANKS TO CHAIRMAN

Dr. G. E. FOSTER proposed a vote of thanks to the Chairman.

Mr. E. SHOTTON seconded. The vote was put to the meeting by the President and carried with acclamation.

Dr. DAVIS briefly responded.