THE BRITISH SCIENCE GUILD

FOUNDED IN 1905 BY THE LATE

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Aims and Objects of the Guild.

The British Science Guild is not a scientific society, an institute of industry, or an educational association, but a national organisation in which the interests of science, industry and education are represented, and their activities co-ordinated for the common good. No technical qualifications are required for membership; and the rate of subscription cannot prevent anyone from joining the Guild, and thus giving practical support to its work.

Though the Guild has been in existence since 1905, the objects for which it was founded have only recently been recognised as essential points of a national programme. As stated in 1905, they are as follows:

(1) To bring together as members of the Guild all those throughout the Empire interested in science and scientific method, in order, by joint action, to convince the people, by means of publications and meetings, of the necessity of applying the methods of science to all branches of human endeavour, and thus to further the progress and increase the welfare of the Empire.

(2) To bring before the Government the scientific aspects of all matters affecting the national welfare.

(3) To promote and extend the application of scientific principles to industrial and general purposes.

(4) To promote scientific education by encouraging the support of universities and other institutions where the bounds of science are extended, or where new applications of science are devised.

The attention lately given to science and industry in relation to the State shows that these objects are at last being accepted, and that widespread sympathy exists with the aims of the Guild.

In order to take advantage of this new attitude, in the interests of national welfare, the Guild should be represented in all parts of the Empire by members who will bring its aims before the public by individual efforts, or through local committees combining the activities of science, industry and education.

Outline of Activities.

The Guild, soon after its formation, constituted Committees to enquire into various matters which were at that date (1905) held to be of importance; it has since then, from time to time, constituted additional Committees to deal with new subjects and questions as these have come into prominence.
These Committees, on which many distinguished representatives of industry as well as of science and education have served, have investigated, \textit{inter alia}, the following matters:

- Awards for Medical Discovery.
- Agricultural Research in the United Kingdom.
- The British Chemical Industries.
- The British Dye Industry.
- The Conservation of Natural Sources of Energy.
- The Co-ordination of Charitable Effort.
- The Design and Manufacture of Microscopes.
- Explosives.
- Fisheries Development.
- The Introduction of the Metric System.
- Medical Research, and many other Medical Questions.
- The Prevention of the Pollution of Rivers.
- The Provision of Glass and other Laboratory Ware.
- The Synchronisation of Clocks.
- Veterinary Research.
- The Utilisation of Science in Public Departments.

Many very valuable reports have been prepared by these Committees and placed in the hands of Ministers in charge of the Government Departments particularly concerned with the matters and questions dealt with in them.

Recommendations contained in the Reports of the Committees of the Guild have also been widely acted upon outside Government Departments, and there is evidence that the value of the work which the Guild has done, and is doing, is becoming more widely appreciated as time proceeds. However, in order that the Guild shall carry, in connection with the work it has taken up, full weight in responsible quarters, and that its activities may be rendered more effective, an increase in its membership is essential.

In 1918 and 1919 the Guild organised highly successful Exhibitions of British Scientific Products, which were of much assistance in promoting the interests of British science and industry at a critical period.

Applications for Membership should be made to the Secretary, British Science Guild, 6, John St., Adelphi, London, W.C.2. The rates of subscription are:

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A CATALOGUE OF BRITISH
SCIENTIFIC AND TECHNICAL BOOKS
A CATALOGUE
OF
BRITISH SCIENTIFIC
AND TECHNICAL BOOKS

Covering every Branch of Science and
Technology carefully Classified
and Indexed

PREPARED BY A COMMITTEE
OF THE BRITISH SCIENCE GUILD.

BRITISH SCIENCE GUILD
6, JOHN STREET, ADELPHI, LONDON, W.C. 2.
1921.
The Committee responsible for the preparation of the Catalogue of British Scientific and Technical Books consists of the following members of the British Science Guild:

Sir Richard Gregory (Chairman).
Sir Edward Brabrook, C.B.
Mr. C. L. Bryant.
Dr. J. W. Evans, F.R.S.
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Mrs. Wilson.
Col. Sir John S. Young, C.V.O.
Lt.-Col. W. A. J. O’Meara, C.M.G. (Hon. Secretary of the British Science Guild).
PREFACE.

WHEN the first British Scientific Products Exhibition was organised by the British Science Guild, in the year 1918, one of the stalls was devoted to a display of scientific and technical books. So much interest was taken in this exhibit that it was repeated in the following year, and a selected list of such books was published in the Catalogue of this Exhibition. Similar lists have been issued by the Science Masters' Association and the Association of Science Teachers, but the Guild's list was intended to be of service to industry rather than to education. It provided a handy guide to the chief existing British books on science and technology and proved of decided value to manufacturers seeking suitable works upon the particular subjects with which they were concerned.

The list was reprinted and widely circulated by the well-known scientific and technical booksellers, Messrs. A. and F. Denny, and the many inquiries for it, or for a more complete Catalogue of British books on science and technology, led the British Science Guild to undertake the preparation and publication of such a Catalogue. The work was entrusted to a special committee which had at the outset to decide whether an attempt should be made to establish a standard of merit by which to determine inclusion or exclusion of books in the Catalogue, or whether all titles within the scope of the Catalogue should be admitted. The conclusion reached was that it would be more satisfactory to make the Catalogue a complete record of scientific and technical books other than those intended for primary schools, and elementary volumes of like nature, in the current lists of publishers in the United Kingdom, and obtainable through booksellers in the usual way.

The Committee was fortunate in having among its members Mr. P. Passenger, who not only possesses wide
knowledge and long experience in the handling of books on science and technology, but is also keenly interested in the cataloguing of them. Mr. Passenger undertook the task of making on a uniform plan a card catalogue of the full details of such books in the lists of British publishers; and the Committee is much indebted to him for the care and attention he devoted to this work. In order to secure uniformity in the bibliographic particulars, it was necessary to invite the assistance of publishers, and the Committee is glad to acknowledge that this aid was readily given. It has thus been possible to state, for each volume in the Catalogue, the author’s name, title of book, size of page, number of pages, date of last edition, name of publisher, and price at the time (April, 1921) when the Catalogue was sent to the printers.

The volume contains more than six thousand titles, and their satisfactory classification required careful consideration. About fifty main groups were eventually decided upon and these were divided into nearly five hundred sub-classes. Even when a scheme of classification had been formed it was frequently difficult to determine under which head to place a book, but the Committee was fortunately able to secure additional assistance in accomplishing this task and desires to express grateful thanks for it. Prof. J. H. Ashworth, F.R.S., classified the titles of biological books, Miss M. S. Aslin those on agriculture, Prof. H. Wildon Carr dealt with books on philosophy and Miss M. Punnett and Prof. T. P. Nunn with those on mathematics. Other titles were classified by members of the Committee.

The classification adopted is such that, so far as practicable, related subjects are placed near one another; and under each head or sub-head the titles are arranged alphabetically according to author’s names. It is thus possible to see at a glance the volumes available in any branch of science and technology. Following this natural order, there is an alphabetical list of authors’ names, and a subject index, which should be of service in
Preface.

furnishing an easy guide to a book or group of books upon a particular subject. For the preparation of this subject index, the Committee gladly expresses its obligations to Mr. G. S. Sweeting.

As to what are the best books available is often a matter of individual preference, and the Committee has made no attempt to exercise selective functions in this matter. With the present complete Catalogue, however, to show at a glance the actual works now obtainable, it is much easier to ask an authority upon a specific subject to indicate what he considers the most suitable books for particular needs or purposes—whether educational or industrial—than it would be in the absence of this list, and the Guild would no doubt furnish such information to any of its members who may desire guidance of this kind.

The British Science Guild believes that in producing this Catalogue it is promoting the use of knowledge and thereby furthering the development of education, science and industry. The books themselves represent worthy British scientific products and the Catalogue should be a means of extending their use not only at home but also in parts of the Empire overseas and in countries not yet familiar with what we have to offer in scientific and technical literature. If support to this enterprise is sufficiently encouraging, the Guild hopes to issue a revised edition of the Catalogue annually and thus keep up-to-date a publication which should prove of value to workers in many fields.

R. A. Gregory.
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i. General and Popular Science  
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ii. Biographies of Men of Science, etc.  

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viii. Vectors and Quaternions

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x. Practical Applied Mathematics (Elementary)

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   b. Conic Sections  
   c. Solid Geometry  
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xv. Analytical Geometry

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Mayall, G. Cows, Cowhouses, and Milk. 2nd edn. Cr. 8vo. Pp. 144. 1918. Bailliére. 4s. 6d.


Willoughby, E. F. Milk: Its Production and Uses, with Chapters on Dairy Farming, Diseases of Cattle, and on the Hygiene and Control of Supplies. Demy 8vo. Pp. 271. 1903. Griffin. 7s. 6d.

b. Live Stock.


— The Cottager's Pig: A Practical Treatise on Pig Keeping for the Small Holder and Cottager. Cr. 8vo. Pp. 63. 1920. Jarrolds. 2s. 6d.


Agriculture.


Hanson, S. G. Commercial Egg Farming. From Practical Experience. Cr. 8vo. Pp. 62. 1919. Constable. 1s. 9d.


—- Sheep and Goats. Cr. 8vo. Pp. 136. 1912. Baillièere. 4s. 6d.


—- The Horse. Revised and Enlarged by W. Watson. 8vo. Pp. 598. 1915. Longmans. 10s. 6d.

c. Nutrition.

Agriculture.


Kellner, O. J. The Scientific Feeding of Animals. Translated from the German. 3rd imp. Cr. 8vo. Pp. 418. 1915. Duckworth. 7s. 6d.

Morris, T. N. Microscopic Analysis of Cattle-Foods. Cr. 8vo. Pp. 82. 1917. Cambridge University Press. 3s.

Murray, J. A. The Chemistry of Cattle Feeding and Dairying. Cr. 8vo. Pp. 356. 1914. Longmans. 7s. 6d.


Woodruff, H. A. The Economics of Feeding Horses. Cr. 8vo. Pp. 128. 1912. Baillière. 3s. 6d.


Lock, R. H. Rubber and Rubber Planting. Cr. 8vo. Pp. 200. 1913. Cambridge University Press. 6s. 6d.


Milligan, F. M. Some Essential Notes on Oil Palm Cultivation. Small Cr. 8vo. Pp. 112. 1914. Crosby Lockwood. 3s.


Ridley, H. N. Spices. 8vo. Pp. 460. 1912. Macmillan. 10s. 6d.


Rutter, W. P. Wheat Growing in Canada, the United States, and the Argentine. Large Cr. 8vo. Pp. 315. 1911. Black. 3s. 6d.


Agriculture.


tii. SOILS AND FERTILISERS.


Griffiths, A. B. A Treatise on Manures: or the Philosophy of Manuring. 3rd edn. Cr. 8vo. Pp. 450. 1892. Pitman. 7s. 6d.

Hall, Sir A. D. Fertilisers and Manures. Large Cr. 8vo. Pp. 384. 1919. Murray. 8s.


--- Manuring for Higher Crop Production. 2nd edn. Demy 8vo. Pp. 78. 1916. Cambridge University Press. 4s. 6d.


ANATOMY.

i. GENERAL: PRACTICAL, SURGICAL.


Berry, R. J. A. An Atlas of Sectional and Topographical Anatomy. 4to. Pp. 17 and 60 Plates. 1911. W. Green. 42s.


—Surgical Anatomy. 2nd edn. 3 Parts. Written by C. R. Whitaker. 1s. 9d. each. Also in one volume, Pp. 177. 1920. Cloth, 5s. 6d. Livingstone.


Anatomy.


Potter, S. O. L. A Compend of Human Anatomy. 8th edn. Cr. 8vo. Pp. 446. 1917. Frowde & Hodder. 6s. 6d.


ii. EMBRYOLOGY.


Anatomy.


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Catechism Series. Histology. Livingstone. 1s. 9d.


Squire, Sir P. W. Methods and Formule used in the Preparation of Animal and Vegetable Tissues for Microscopical Examination, including the Staining of Bacteria. Cr. 8vo. Pp. 93. 1892. Churchill. 3s. 6d.

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— The Human Sternum. Cr. 4to. Pp. 112. 1904. Constable. 10s. 6d.


v. SURFACE ANATOMY.


Moorhead, T. G. Surface Anatomy. Cr. 8vo. Pp. 158. 1905. Baillière. 4s. 6d.


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Armstead, H. W. The Artistic Anatomy of the Horse. Text and 20 original Plates. Roy. 4to. 1900. Baillière. 12s. 6d.


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PHYSIOLOGY.

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Ashby, H. Notes on Physiology. Revised by H. T. Ashby. 8th edn. Cr. 8vo. Pp. 368. 1917. Longmans. 7s. 6d.


Bayliss, W. M. An Introduction to General Physiology. 8vo. Pp. 254. 1919. Longmans. 7s. 6d.


— and Langley, J. N. A Course of Elementary Practical Physiology and Histology. 7th edn. Cr. 8vo. Pp. 414. 1902. Macmillan. 8s. 6d.


Physiology.


Hill, L. A Manual of Human Physiology. 3rd edn. Cr. 8vo. Pp. 496. 1919. Arnold. 7s. 6d.


Hutchison, R. Applied Physiology. Cr. 8vo. Pp. 310. 1908. Arnold. 7s. 6d.


— The Human Body. Fcap. 8vo. Pp. 236. 1912. Williams & Norgate. 2s. 6d.


— Primer of Physiology. Fcap. 8vo. Pp. 128. 1904. Murray. 1s. 6d.
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Tait, J., and Krause, R. A. Aids to Physiology. 2nd edn. 8vo. 1919. Baillière. 4s.


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Bayliss, W. M. The Physiology of Food and Economy in Diet. Cr. 8vo. Pp. 116. 1917. Longmans. 2s. 6d.


Halliburton, W. D. The Essentials of Chemical Physiology for the Use of Students. 10th edn. 8vo. Pp. 335. 1919. Longmans. 8s.


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Dawson, E. R. The Causation of Sex in Man. A New Theory of Sex based on Clinical Materials, together with Chapters on Forecasting or Predicting the Sex of the Unborn Child, and on the Determination or Production of either Sex at Will. 2nd edn. Demy 8vo. Pp. 240. 1917. Lewis. 9s.


Herbert, S. An Introduction to the Physiology and Psychology of Sex. 2nd edn. Cr. 8vo. Pp. 136. 1919. Black. 7s. 6d.


BACTERIOLOGY.


Browning, C. H. (edited by). Applied Bacteriology. Studies and Reviews of some Present-day Problems, for the Laboratory Worker, the Clinician, and the Administrator. Cr. 8vo. Pp. 308. 1918. Frowde & Hodder. 7s. 6d.


Catechism Series. Bacteriology. Revised by J. T. Grant. 2nd edn. 2 Parts. Livingstone. 1s. 9d. each.


Coles, A. C. Clinical Diagnostic Bacteriology, including Serum Diagnosis and Cytodiagnosis. 8vo. Pp. 245. 1904. Churchill. 8s.


Fowler, G. J. An Introduction to Bacteriological and Enzyme Chemistry. Cr. 8vo. Pp. 336. Arnold. 8s. 6d.


Minett, E. P. Diagnosis of Bacteria and Blood Parasites. 3rd edn. Cr. 8vo. Pp. 102. 1920. Baillière. 4s. 6d.


Bacteriology.


Schottelius, M. Bacteria. Translated by H. Geoghegan. Cr. 8vo. Pp. 345. 1912. Frowde & Hodder. 8s. 6d.


Woodhead, Sir G. S. Bacteria and their Products. Cr. 8vo. Scott Pub. Co. 5s.


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Crawfur, R. The King's Evil, with an Appendix of Proclamations and Bibliography. Med. 8vo. Pp. 188. 1911. Oxford: Clarendon Press. 8s. 6d.


Edwardes, E. J. A Concise History of Small-Pox and Vaccination in Europe. Cr. 8vo. Pp. 177. 1902. Lewis. 2s. 6d.


Maccabe, F. F. War with Disease. 5th edn. Cr. 8vo. Pp. 145. 1909. Baillière. 2s. 6d.

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Sprigge, S. S. Some Considerations of Medical Education. Cr. 8vo. Pp. 112. 1910. Baillière. 2s. 6d.

Sutton, J. B. Evolution and Disease. Cr. 8vo. Scott Pub. Co. 5s.


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——Uric Acid: an Epitome of the Subject. 2nd edn. 8vo. Pp. 170. 1906. Churchill. 2s. 6d.

Macgregor, J. M. A Contribution to the Pathology of the Endometrium. 8vo. Pp. 56. 1905. W. Green. 10s. 6d.

Paton, D. N. The Nervous and Chemical Regulations of Metabolism. 8vo. Pp. 228. 1913. Macmillan. 6s.


——The Treatment of Inflammation and Sepsis by Lipoid-Paraffin Dressings. Cr. 8vo. Pp. 83. 1919. Routledge. 3s. 6d.
Walker, E. W. A. The General Pathology of Inflammation, Infection, and Fever. Cr. 8vo. Pp. 271. 1904. Lewis. 4s. 6d.

vi. HæMATOLOGY.


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Carpenter, G. Syphilis of Children in Every-day Practice. Cr. 8vo. Pp. 112. 1901. Bailliére. 3s. 6d.

Findlay, L. Syphilis in Childhood. Cr. 8vo. Pp. 166. 1919. Frowde and Hodder. 8s. 6d.


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Watson, J. K. The Venereal Diseases Problem: A book more especially for Nurses and Midwives. Cr. 8vo. Pp. 76. 1917. Bailliére. 3s. 6d.
m. Yellow Fever.


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Robson, Sir A. W. M. Cancer and Its Treatment. Cr. 8vo. Pp. 70. 1905. Baillière. 3s. 6d.


Russell, R. Notes on the Causation of Cancer. Cr. 8vo. Pp. 126. 1916. Longmans. 3s. 6d.


b. Rheumatism, Gout.

Bannatyne, G. A. Rheumatoid Arthritis. 4th edn. 8vo. Pp. 191. 1906. John Wright. 7s. 6d.


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Llewellyn, L. J. Gout, with a section on Ocular Disease in the Gouty, by W. M. Beaumont. 8vo. 1920. Heinemann. 30s.


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Cooper, J. W. A. Pathological Inebriety; its Causation and Treatment. Cr. 8vo. Pp. 168. 1913. Baillière. 3s. 6d.


Rivers, W. H. R. The Influence of Alcohol and other Drugs on Fatigue. Roy. 8vo. Pp. 144. 1908. Arnold. 7s. 6d.
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Hurry, J. B. The Vicious Circles of Neurasthenia and their Treatment. 8vo. Pp. 106. 1915. Churchill. 3s. 6d.


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Lepine, J. Mental Disorders of War. Edited by C. A. Mercier. Cr. 8vo. Pp. 244. 1919. University of London Press. 7s. 6d.


Yealland, L. R. Hysterical Disorders of Warfare. 8vo. Pp. 264. 1918. Macmillan. 7s. 6d.

c. Mental Disorders; Insanity; Psychiatry.

Ballard, E. F. An Epitome of Mental Disorders. Post 8vo. Pp. 244. 1917. Churchill. 7s. 6d.


Kraepelin, E. Manic-Depressive Insanity and Paranoia. Translated from the German by R. M. Barclay. Edited by G. M. Robertson. 8vo. Pp. 280. 1921. Livingstone. 21s.


Mercier, C. A. Sanity and Insanity. Cr. 8vo. Scott Pub. Co. 5s.


— Crime and Insanity. Fcap. 8vo. Pp. 255. 1911. Williams & Norgate. 2s. 6d.


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Mackenzie, Sir J. Diseases of the Heart. 3rd edn. Cr. 4to. Pp. 525. 1918. Frowde & Hodder. 31s. 6d.

—— Principles of Diagnosis and Treatment in Heart Affection. Demy 8vo. Pp. 272. 1916. Frowde & Hodder. 8s. 6d.


Ritchie, W. T. Auricular Flutter. 8vo. Pp. 156. 1914. W. Green. 10s. 6d.


Sutherland, G. A. The Heart in Early Life. Cr. 8vo. Pp. 227. 1914. Frowde & Hodder. 6s. 6d.


x. DISEASES OF THE RESPIRATORY SYSTEM.


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