The Cambridge British Flora. By Prof. C. E. Moss. Assisted by specialists in certain genera. Vol. iii. Pp. xvi+200; plates, pp. vi+191. (Cambridge: At the University Press.) Two parts. 6l. 15s. net;

2 parts in 1 vol., 7l. net.

Memoirs of the Geological Survey. The Geology of Anglesey. Vol i. Pp. xl+388+xxvi plates. Vol. ii. Pp. 389-980 + plates xxvi B-lx+ folding plates. By E. Greenly. (Southampton: Ordnance Survey Office; London: E. Stanford, Ltd.) 2 vols., 3l. 3s.

The Arithmetic of the Decimal System. By Dr. J. Cusack. Pp. xvi+492. With Answers. (London:

Macmillan and Co., Ltd.) 6s.

Medical Research Council and Department of Scientific and Industrial Research. Reports of the Industrial Fatigue Research Board. No. 7: Indi-Scientific and Industrial Research. vidual Differences in Output in the Cotton Industry. (Textile Series, No. 1.) Pp. iii+13. (London: H.M. Stationery Office.) 6d. net.

Les Révélations du Dessin et de la Photographie à la Guerre: Principes de Métrographie. By Lt.-Col. Andrieu. Pp. xiii+112. (Paris: Gauthier-Villars et

Cie.) 8 francs.

Elements of Radio-telegraphy. By Lieut. E. W. Stone. Pp. vii+267+xxxiii plates. (London: Crosby Lockwood and Son.) 16s. 6d. net.

Grasses and Rushes, and How to Identify Them. By J. H. Crabtree Pp. 64. (London: The Epworth

Press.) is. 9d. net.

Space, Time, and Gravitation: An Outline of the General Relativity Theory. By Prof. A. S. Eddington. Pp. vii+218. (Cambridge: At the University

Press.) 15s. net.
Pasteur: The History of a Mind. By Prof. E.
Duclaux. Translated by E. F. Smith and F. Hedges. Pp. xxxii+363. (Philadelphia and London: W. B. Saunders Co.) 21s. net.

The Journal of the Institute of Metals. Edited by G. Shaw Scott. Vol. xxiii. No. 1, 1920. Pp. xii+ 644+xxx plates. (London: Institute of Metals.) 31s. 6d. net.

A History of English Philosophy. By Prof. W. R. Pp. xvi+38o. (Cambridge: At the Uni-

versity Press.) 20s. net.

The Mystery of Life as Interpreted by Science. By R. D. Taylor. Pp. 176. (London and Felling-on-Tyne: Walter Scott Publishing Co., Ltd.) 3s. 6d.

Applied Eugenics. By P. Popenoe and Prof. R. H. Johnson. (Social Science Text-Books.) Pp. xii+459. (New York: The Macmillan Co.; London: Macmillan

and Co., Ltd.) 14s. net.
Air Ministry. Meteorological Office, London. Professional Notes, No. 8. Temperatures and Humidities in the Upper Air: Conditions Favourable for Thunderstorm Development, and Temperatures over Land and Sea. By Capt. C. K. M. Douglas. Pp. 110-139. (London: Meteorological Office, Air Ministry.) 2s. net.

Air Ministry. Meteorological Office. Geophysical Memoirs, No. 16. Aids to Forecasting: Types of Pressure Distribution. With notes and tables for the fourteen years 1905–18. By E. Gold. Pp. 147–74. (London: Meteorological Office, Air Ministry.) 2s. 6d.

Notes on Chemical Research: An Account of Certain Conditions which Apply to Original Investiga-tion. By W. P. Dreaper. (Text-Books of Chemical Research and Engineering.) Second edition. Pp. xv+ 195. (London: J. and A. Churchill.) 7s. 6d. net. The Concept of Nature. By Prof. A. N. White-

head. (Tarner Lectures delivered in Trinity College, November, 1919.) Pp. ix+202. (Cambridge: At the University Press.) 14s. net.

NO. 2644, VOL. 105

William Smith: His Maps and Memoirs. By T. Sheppard. Pp. iii+75-253+plates. (Hull: A. Brown and Sons, Ltd.)

Imperial Institute. Indian Trade Inquiry. Reports on Oil-Seeds. Pp. ix+149. (London: J. Murray.)

Conifers and their Characteristics. By C. Coltman-Rogers. Pp. xiii+333. (London: J. Murray.) 21s.

The Small Farm and its Management. By Prof. J. Second edition. Pp. 328. (London: J. Murrav.) 7s. 6d. net.

Anniversaries and other Poems. By L. Huxley. Pp. x+82. (London: J. Murray.) 5s. net.

Diary of Societies.

MONDAY, JULY 5.

ROYAL INSTITUTION OF GREAT BRITAIN, at 5.—General Meeting.
ARISTOTELIAN SOCIETY (at 74 Grosvenor Street), at 8.—Rev. Dr. W. F.
Geikie Cobb: Mysticism, True and False.

WEDNESDAY, JULY 7.

Institution of Petroleum Technologists (in Canada Building, Crystal Palace), at 6.—E. H. Cunningham Craig: Wild Catting (Free Illustrated

SATURDAY, JULY 10.

Physiological Laboratory, University, Oxford), at 4.—J. B. Leathes and H. C. Broadhurst: Excretion of Phosphate.—J. Barcroft and F. J. Roughton: Diffusion Co-efficient of Lung.—S. P. L. Sørensen and E. J. Cohn: Solubility of Globulin.—A. Krogh: Reaction of Blood Vessels to Local Stimuli.

| CONTENTS. P. | AG E |
|--|-------------|
| Medical Research and the Practitioner | 541 |
| Theory of Dioptric Instruments. By A. E. C | 542 |
| The International Research Council | 5/12 |
| Problems of Population. By E. B | 543 |
| The Elements of Hardy Fruit Culture | 545 |
| Our Bookshelf | 545 |
| Letters to the Editor:— | 373 |
| The Constitution of the Elements.—Dr. F. W. | |
| Aston | 547 |
| Applied Science and Industrial Research.—Major | J |
| A. G. Church | 547 |
| Science and Scholasticism.—Prof. Jas. J. Walsh; | |
| | 547 |
| Dr. Charles Singer | - |
| | 548 |
| O. F. Cook | 550 |
| Use of Sumner Lines in Navigation. (With | |
| Diagrams.) By Capt. T. H. Tizard, C.B., F.R.S. | 552 |
| Obituary:— | |
| Dr. F. A. Tarleton,—R. A. P. Rogers | 554 |
| Notes | 556 |
| Our Astronomical Column:- | |
| Tempel's Second Periodic Comet | 560 |
| Denning's Comet of 1881 and a Meteoric Shower | 560 |
| Capture Orbits | 560 |
| Education in the New Era. By Prof. Frederick | |
| Soddy, F.R.S | 561 |
| British Aeronautics | 561 |
| Climatic Cycles and Tree-growth, By W. W. B. | 562 |
| The Interferometer in Physical Measurements. | |
| By L. C. M | 563 |
| Canvas-destroying Fungi. By J. Ramsbottom | 563 |
| The Economic Pursuits of the Trobriand Islanders | 564 |
| The Organisation of Scientific Work in India | 565 |
| University and Educational Intelligence | 568 |
| Societies and Academies | 569 |
| Books Received | |
| Diary of Societies | 572 |