The Standard Cyclopedia of Horticulture. By L. H. Bailey. Vol. iii. Pp. v+1201 to 1760. Vol. iv. Pp. v+1761 to 2421. (New York: The Macmillan Company; London: Macmillan and Co., Ltd.) Each 25s. net.

Wye Salmon: Results of Scale-Reading, 1908–1915. By J. A. Hutton. Pp. 24. (Manchester: Sherratt and Hughes.)

British Museum (Natural History). British Antarctic (*Terra Nova*) Expedition, 1910. Natural History Report. Zoology. Vol. i., No. 4: Larval and Post-Larval Fishes. By C. Tate Regan. Pp. 125–155. Zoology. Vol. ii. No. 6: Myzostomida. By Dr. C. L. Boulenger. Pp. 135–140+1 plate. (London: British Museum (Natural History); Longmans and Co.) 9s. and 1s. respectively.

A Class-Book of Chemistry. By G. C. Donington. Part iv. Metals. Pp. vii+401–534. (London: Macmillan and Co., Ltd.) 2s.

Diseases of Poultry: their Etiology, Diagnosis, Treatment, and Prevention. By R. Pearl, F. M. Surface, and M. R. Curtis. Pp. xi+342. (London: Macmillan and Co., Ltd.) 8s. 6d. net.

Publications of the U.S. Naval Observatory. Second series. Vol. ix. (in four parts, with appendix). Part ii. Pp. iii+B. vii+B. 759. (Washington: Government Printing Office.)

Memoirs of the Indian Meteorological Department. Vol. xxi., part xiii.: On the Calcutta Standard Barometer. By E. P. Harrison. (Calcutta: Government Printing.)

The Pathology of Tumours. By Dr. E. H. Kettle. Pp. viii+224. (London: H. K. Lewis and Co., Ltd.) 10s. 6d. net.

Madras Government Museum. The Foote Collection of Indian Prehistoric and Protohistoric Antiquities: Notes on their Ages and Distribution. By R. B. Foote. Pp. xv+246+plates 64. (Madras: Superintendent Government Press.) 14s. 8d.

DIARY OF SOCIETIES.

THURSDAY, MAY 4.

ROYAL INSTITUTION, at 3.—Flints and Flint Implements: Sir Ray Lankester.

IRON AND STEEL INSTITUTE, at 10.30.—Presidential Address. *Papers:* Notes on the Theory of the Corrosion of Steel: L. Aitchison.—Notes on the Relations between the Cutting Efficiencies of Tool Steels and their Brinell or Sclerоscope Hardnesses: Prof. J. O. Arnold.—A New Thermo-Electric Method of Studying Allotropic Changes in Iron or other Metals: Dr. C. Benedicks.—Initial Temperature and Critical Cooling Velocities of a Chromium Steel: Dr. C. A. Edwards.—The Influence of Carbon and Manganese upon the Corrosion of Iron and Steel: Sir Robert Hadfield and Dr. J. N. Friend.—Early Experiments on the Recalescence of Iron and Steel: A. Mallock.—A Few Experiments on the Hardness Testing of Mild Steel: W. N. Thomas.—Surface Tension Effects in the Intercrystalline Cement in Metals and the Elastic Limit: F. C. Thompson.

LINNEAN SOCIETY, at 5.—The Origin of the Garden Red Currant: E. A. Bunyard.—The Dispersal of Organisms, as Illustrated by the Floras of Ceylon and New Zealand: Dr. J. C. Willis.—A Study of the Rectal Breathing Apparatus in the Larvæ of the Anisopterid Dragonflies: R. J. Tillyard.—Description of a New Species of Idotea (Isopoda) from the Sea of Marmora: W. E. Collinge.

INSTITUTE OF METALS, at 8.30.—Sixth May Lecture: X-Rays and Crystal Structure, with Special Reference to Certain Metals: Prof. W. H. Bragg.

FRIDAY, MAY 5.

ROYAL INSTITUTION, at 5.30.—Electrical Methods in Surgical Advance: Sir J. Mackenzie Davidson.

IRON AND STEEL INSTITUTE, at 10.—(See above.)

GEOLOGISTS' ASSOCIATION, at 7.30.—Field Notes on the Faunal Succession in the Lower Carboniferous Rocks of Westmorland and North Lancashire: Prof. E. J. Garwood.

SATURDAY, MAY 6.

ROYAL INSTITUTION, at 3.—X-Rays and Crystals: Prof. W. H. Bragg.

MONDAY, MAY 8.

ROYAL GEOGRAPHICAL SOCIETY, at 8.30.—Travels in Ecuador: Jordan H. Stabler.

ROYAL SOCIETY OF ARTS, at 4.30.—Vibrations, Waves, and Resonance: Dr. J. Erskine-Murray.

TUESDAY, MAY 9.

ROYAL INSTITUTION, at 3.—Chinese Painting: L. Binyon.

ZOOLOGICAL SOCIETY, at 5.30.—A Small Collection of Vertebrate Remains from the Har Dalam Cavern, Malta, with Note on a New Species of the Genus Cygnus: Miss Dorothea M. A. Bate.—An Experimental Determination of the Factors which cause Patterns to appear Conspicuous in Nature: Dr. J. C. Mottram.

ILLUMINATING ENGINEERING SOCIETY, at 5.—Annual Meeting, followed by a Discussion on a Report to be presented by the Research Committee.

FARADAY SOCIETY, at 8.—An Analysis of the Theory of Gels as Systems of Two Liquid Phases: E. Hatschek.—(1) The Properties of Solid Solutions of Metals and of Intermetallic Compounds; (2) The Annealing of Metals: F. C. Thompson.—The Changes in the Physical Properties of Aluminium with Mechanical Work. II. Specific Heats of Hard and Soft Aluminium: F. J. Brislee.—A Note on the Annealing of Aluminium: R. Seligman and P. Williams.—Grain Size Measurements and Importance of such Information: Z. Jeffries.—A Contribution to the Theory of Solution: E. J. Hartung.

WEDNESDAY, MAY 10.

GEOLOGICAL SOCIETY, at 5.30.—Carboniferous Fossils from Siam: Dr. F. R. Cowper Reed.—The Lurgecombe Mill Lamprophyre and its Intrusions: H. G. Smith.

OPTICAL SOCIETY, at 8.—Apparatus used for the Teaching of Optics at the Cavendish Laboratory, Cambridge: Dr. G. F. C. Searle.

THURSDAY, MAY 11.

ROYAL SOCIETY, at 4.30.—*Probable Papers:* Seventh Memoir on the Partition of Numbers. A Detailed Study of the Enumeration of the Partitions of Multipartite Numbers: Major P. A. MacMahon.—The Occurrence of Gelatinous Spicules and their Mode of Origin in a New Genus of Siliceous Sponges: Prof. A. Dendy.—The Classification of the Reptilia: E. S. Goodrich.—The Experimental Production of Congenital Goitre: Dr. R. McCarrison.

ROYAL INSTITUTION, at 3.—Flint and Flint Implements: Sir Ray Lankester.

INSTITUTION OF ELECTRICAL ENGINEERS, at 8.—Annual General Meeting.

INSTITUTION OF MINING AND METALLURGY, at 5.30.—*Discussion:* The Influence of the War on the Mining and Metallurgical Industries.

FRIDAY, MAY 12.

ROYAL ASTRONOMICAL SOCIETY, at 5.

PHYSICAL SOCIETY, at 5.—The Latent Heats of Fusion of Metals and the Quantum Theory: Dr. H. S. Allen.—(1) Lenses for Light Distribution; (2) The Choice of Glass for Cemented Objectives: T. Smith.

MALACOLOGICAL SOCIETY, at 7.—Descriptions of New Mollusca: G. B. Sowerby.—Solander as a Conchologist: T. Iredale.—Misnamed Tasmanian Chitons: T. Iredale and W. L. May.

SATURDAY, MAY 13.

ROYAL INSTITUTION, at 3.—X-Rays and Crystals: Prof. W. H. Bragg.

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