

rett-Hamilton. Part xiii. (London: Gurney and Jackson.) 2s. 6d. net.

The Syrian Goddess. By Prof. H. A. Strong. Edited, with Notes and an Introduction, by Dr. J. Garstang. Pp. xiii+111. (London: Constable and Co., Ltd.) 4s. net.

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Legislative Assembly. New South Wales. Second Report of the Government Bureau of Microbiology, dealing with work performed during the years 1910-11. Pp. 244. (Sydney: W. A. Gullick.) 5s.

Indian Civil Veterinary Department Memoirs. No. 3. Report of the Research Work of the Imperial Bacteriological Laboratory, Muktesar, during 1910-11, by Major J. D. E. Holmes. Pp. 276+xxii plates. (Calcutta: Thacker, Spink and Co.)

Memoirs of the Geological Survey. England and Wales. Explanation of Sheet 338. The Geology of Dartmoor. By C. Reid and others. Pp. vi+102+2 plates. (London: H.M.S.O.; E. Stanford, Ltd.) 2s. 3d.

Annual Report of the Board of Regents of the Smithsonian Institution for the year ending June 30, 1911. Pp. xii+688+plates. (Washington: Government Printing Office.)

Journal of the Academy of Natural Sciences of Philadelphia. Second Series. Vol. xv. Published in Commemoration of the One Hundredth Anniversary of the Foundation of the Academy, March 21, 1912. Pp. cxliv+614+lix plates. (Philadelphia.)

DIARY OF SOCIETIES.

THURSDAY, FEBRUARY 6.

ROYAL SOCIETY, at 4.30.—The Influence of the Resilience of the Arterial Wall on Blood Pressure and on the Pulse Curve: S. R. Wells and L. Hill.—The Occurrence of a Ganglion in the Human Temporal Bone not hitherto described: A. A. Gray.—The Action of Adrenin on Veins: J. A. Gunn and F. B. Chavasse.—A Preliminary Report on the Treatment of Human Trypanosomiasis, and Yaws, with Metallic Antimony: Capt. H. S. Ranken.—Further Researches on the Extrusion of Granules by Trypanosomes and on their Further Development. (With a Note by H. G. Plimmer on a New Method of Blood Fixation): Major W. B. Fry and Capt. H. S. Ranken.

ROYAL INSTITUTION, at 3.—Recent Research on the Gas Engine: Prof. B. Hopkinson.

LINNEAN SOCIETY, at 8.—Crosses of a Wild Pea with Cultivated Types: A. W. Sutton.—*Rheoxylon africanum*, a New Medullosean Stem: N. Bancroft.—Revision of the Linnean Types of Palearctic Rhopalocera: Dr. R. Verity.

FRIDAY, FEBRUARY 7.

ROYAL INSTITUTION, at 9.—Life in the Great Oceans: Sir John Murray, K.C.B.

GEOLOGISTS' ASSOCIATION, at 8.—The Weathering Down of the Rocks: J. W. Evans.

SATURDAY, FEBRUARY 8.

ROYAL INSTITUTION, at 3.—The Properties and Constitution of the Atom: Sir J. J. Thomson, O.M.

MONDAY, FEBRUARY 10.

ROYAL GEOGRAPHICAL SOCIETY, at 8.30.

ROYAL SOCIETY OF ARTS, at 8.—The Art of Miniature Painting: C. Davenport.

INSTITUTION OF MECHANICAL ENGINEERS, at 8.—The Applications of Polarised Light to Mechanical Engineering Problems of Stress Distribution: Prof. E. G. Coker.

TUESDAY, FEBRUARY 11.

ROYAL INSTITUTION, at 3.—The Heredity of Sex and some Cognate Problems: Prof. W. Bateson

INSTITUTION OF CIVIL ENGINEERS, at 8.—Durban Harbour, South Africa: C. W. Methven.—Natal Harbour Works: C. J. Crofts.

WEDNESDAY, FEBRUARY 12.

AERONAUTICAL SOCIETY, at 8.30.—The Law of Similarity connecting Models and Full-sized Machines: L. Bairdston.

ROYAL SOCIETY OF ARTS, at 8.—New Sources of Supply for the Manufacture of Paper: C. Beadle and H. P. Stevens.

THURSDAY, FEBRUARY 13.

ROYAL SOCIETY, at 4.30.—*Probable Papers*: A Cassegrain Reflector with Corrected Field: Prof. R. A. Sampson.—Studies of the Processes Operative in Solutions. XXV. The Influence of Non-electrolytes on

Solubility. The Nature of the Processes of Dissolution and Precipitation: Prof. H. E. Armstrong and Dr. J. V. Eyre.—Studies of the Processes Operative in Solutions. XXVI. The Disturbance of the Equilibrium in Solutions of Fructose by Salts and by Non-electrolytes: E. E. Walker.—The Excitation of γ Rays by the α Rays of Ionium and Radium: J. Chadwick and A. S. Russell.

INSTITUTION OF ELECTRICAL ENGINEERS, at 8.—Notes on Parallel Operation: A. R. Everest.

CONCRETE INSTITUTE, at 7.30.—Three Steel-frame Structures in London: S. Bylander.

ROYAL SOCIETY OF ARTS, at 4.30.—Kathiawar: Sir W. Lee-Warner.

MATHEMATICAL SOCIETY, at 8.—Figures in n -Dimensional Space analogous to Orthocentric Tetrahedra: T. C. Lewis.—A Property of the ζ -Function: J. E. Littlewood.—The Summability of a Fourier's Series: G. H. Hardy.—Trigonometrical Series which Converge Nowhere or almost Nowhere: G. H. Hardy and J. E. Littlewood.—A Theorem Concerning Power Series: H. Bohr.—The Theorem of Quadratic Reciprocity: P. J. Heawood.—The Irreducibility of Legendre's Polynomials: J. B. Holt.

FRIDAY, FEBRUARY 14.

ROYAL INSTITUTION, at 9.—New Gyroscopes and their Applications: Prof. Andrew Gray.

PHYSICAL SOCIETY, at 8.—Annual General Meeting.—The Dynamics of Pianoforte Touch: Prof. G. H. Bryan.

INSTITUTION OF MECHANICAL ENGINEERS, at 8.—Annual General Meeting.—Modern Condensing Systems: A. E. Leigh Scanes.

ROYAL ASTRONOMICAL SOCIETY, at 5.—Anniversary Meeting.

MALACOLOGICAL SOCIETY, at 8.—Annual Meeting.

SATURDAY, FEBRUARY 15.

ROYAL INSTITUTION, at 3.—The Properties and Constitution of the Atom: Sir J. J. Thomson, O.M.

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