

## BOOKS RECEIVED.

The Milk Question. By Prof. M. J. Rosenau. Pp. xiv+309. (London: Constable and Co., Ltd.) 7s. 6d. net.

Introduction to the Rarer Elements. By Dr. P. E. Browning. Third edition. Pp. xiii+232. (New York: John Wiley and Sons; London: Chapman and Hall, Ltd.)

Willing's Press Guide, 1913. Pp. xii+487. (London: J. Willing, Ltd.) 1s.

Weather Bound. By R. T. Smith. Pp. 320. (Birmingham: Cornish Bros., Ltd.) 15s. net.

The Value and Destiny of the Individual. The Gifford Lectures for 1912, delivered in Edinburgh University. By Dr. B. Bosanquet. Pp. xxxii+331. (London: Macmillan and Co., Ltd.) 10s. net.

Handbuch der Entomologie. Edited by Dr. C. Schröder. Lief. 1 to 3. (Jena: G. Fischer.) 5 marks each.

Das Bodenwasser und die Abkühlung des Meeres. By F. Nansen. Pp. 42. (Leipzig: Dr. W. Klinkhardt.)

The Sea West of Spitsbergen. The Oceanographic Observations of the Isachsen Spitsbergen Expedition in 1910. By B. Helland-Hansen and F. Nansen. Pp. 89+plates vi. (Christiania: J. Dybwad.)

Finländische hydrographisch-biologische Untersuchungen No. 10 Jahrbuch, 1911, enthaltend hydrographische Beobachtungen in den Finland umgebenden Meeren. Edited by Dr. R. Witting. Pp. 129+4 plates. (Helsingfors.)

Plant Diseases. By Dr. W. F. Bruck. Translated by Prof. J. R. Ainsworth-Davis. Pp. 152. (London: Blackie and Son, Ltd.) 2s. net.

## DIARY OF SOCIETIES.

## THURSDAY, JANUARY 16.

ROYAL SOCIETY, at 4.30.—The Effect of Junctions on the Propagation of Electric Waves along Conductors: Lord Rayleigh.—The Influence of Chemical Constitution upon Interfacial Tension and upon the Formation of Composite Surfaces: W. B. Hardy.—Duration of Luminosity of Electric Discharge in Gases and Vapours: Hon. R. J. Strutt.—Some Electrical and Chemical Effects of the Explosion of Azoinide: Rev. P. J. Kirkby and J. E. Marsh.—Factors Affecting the Measurement of Absorption Bands: H. Hartridge.—The Refraction and Dispersion of the Halogens, Halogen Acids, Ozone, Steam Oxides of Nitrogen and Ammonia; and the Causes of the Failure of the Additive Law: Clive Cuthbertson and Maude Cuthbertson.—Liquid Measurement by Drops: R. Donald.—The New Theory of Integration: Prof. W. H. Young.—Negative After-images with Pure Spectral Colours: Dr. G. J. Burch.—A New Method of Measuring the Torque produced by a Beam of Light in Oblique Refraction through a Glass Plate: Dr. G. Barlow.—The Positive Ionisation produced by Platinum and by certain Salts when Heated: Dr. F. Horton.

ROYAL INSTITUTION, at 3.—Birds of the Hill Country: Seton Gordon. LINNEAN SOCIETY, at 8.—A Visit to Madagascar in Search of Subfossil Lemnoids: The Hon. P. Methuen.—Les Caridines des Seychelles, avec des Observations sur leurs Variations: Prof. E. L. Bouvier.—Psychodidae of the Seychelles; Ephemera of the Seychelles: The Rev. A. E. Eaton.—Odonata of the Seychelles: H. Campion.—A New Land Leech from the Seychelles: W. A. Harding.—Some New British Plants: G. C. Druce.

ROYAL SOCIETY OF ARTS, at 4.30.—Agricultural Progress in Western India: G. F. Keatinge.

INSTITUTION OF MINING AND METALLURGY, at 8.—(1) Some Considerations on the Specification of Theodolites for Mines; (2) Specification of a Precision Theodolite (for Workings on Lodes of Medium Inclination and Narrow or Medium Thickness): L. H. Cooke.—Description of a Modern Lead Concentrating Mill, Broken Mill Junction North Mine, N.S.W.: S. C. Bullock.—The Blast Roasting of Sulphide Ores: J. H. Levings.

## FRIDAY, JANUARY 17.

ROYAL INSTITUTION, at 9.—Further Applications of the Method of Positive Rays: Sir J. J. Thomson;

INSTITUTION OF MECHANICAL ENGINEERS, at 8.—Indicators: J. G. Stewart.

## MONDAY, JANUARY 20.

ROYAL SOCIETY OF ARTS, at 8.—Liquid Fuel: Prof. Vivian B. Lewes. VICTORIA INSTITUTE, at 4.30.—The Fact of Prediction: Rev. J. Urquhart.

## TUESDAY, JANUARY 21.

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

ROYAL STATISTICAL SOCIETY, at 5.—The Population of England in the Eighteenth Century: Prof. E. C. K. Gonner.

MINERALOGICAL SOCIETY, at 5.30.—Optical Activity and Enantiomorphism of Molecular and Crystal Structure: T. V. Barker and J. E. Marsh.—Note on the Determination of the Optic Axial Angle of Crystals in Thin-

section: H. Collingridge.—Graphical Determinations of Angles and Indices in Zones: Dr. G. F. Herbert Smith.—The Goldschmidt Apparatus for Cutting Models of Crystals: J. Drugman.—A Nodule of Iron Pyrites: Prof. H. L. Bowman.

INSTITUTION OF CIVIL ENGINEERS, at 8.—The London and South-Western and Metropolitan District Railways' Widening between Acton Lane and Galena Road: F. A. Ogilvie.

ROYAL ANTHROPOLOGICAL INSTITUTE, at 8.15.

## WEDNESDAY, JANUARY 22.

GEOLOGICAL SOCIETY, at 8.—The Fossil Flora of the Marske Quarry (Yorkshire): H. Hamshaw Thomas. With Notes on the Stratigraphy: Rev. G. J. Lane.—The Derived Cephalopoda of the Holderness Drift: C. Thompson.

ROYAL SOCIETY OF ARTS, at 8.—Advertising: E. Street and L. Jackson.

## THURSDAY, JANUARY 23.

ROYAL SOCIETY, at 4.30.—Probable Papers: The Relation of the Islets of Langerhans to the Pancreatic Acini under Various Conditions of Secretory Activity: Dr. J. Homans.—The Metabolism of Lactating Women: E. Mellanby.—(1) Colour Adaptation; (2) Trichromatic Vision and Anomalous Trichromatism: Dr. F. W. Edridge-Green.—Transmission of Environmental Effects from Parent to Offspring in Simocephalus: W. E. Agar.—Contributions to the Histo-chemistry of Nerve; the Nature of Wallerian Degeneration: H. O. Feiss and W. Cramer.—Onychaster, a Carboniferous Brittle-star: I. B. J. Sollas.

ROYAL INSTITUTION, at 3.—Birds of the Hill Country: Seton Gordon.

INSTITUTION OF ELECTRICAL ENGINEERS, at 8.—The Use of a Large Lighting Battery in connection with Central Station Supply: F. H. Whysall.

## FRIDAY, JANUARY 24.

ROYAL INSTITUTION, at 9.—Recent Advances in Scientific Steel Metallurgy: Prof. J. O. Arnold.

PHYSICAL SOCIETY, at 5.

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