

ceous of the Peçora region.—P. **Zemiatčenskij**: The absorbent properties of Russian clays.—K. K. **Matvéev**: Radio-active minerals of the Borščovok range.—Ja. V. **Samojlov** and A. G. **Titov**: Ferro-magnesian concretions from the beds of the Black Sea, the Baltic, and the Barents Sea.

### BOOKS RECEIVED.

The Life of Sir Clements R. Markham, K.C.B., F.R.S. By Admiral Sir A. H. Markham. Pp. xi+384. (London: J. Murray.) 15s. net.

The Life of Sir Colin C. Scott-Moncrieff. Edited by Mary A. Hollings. Pp. xii+374. (London: J. Murray.) 12s. net.

Adolescence. By S. Paget. Pp. 59. (London: Constable and Co., Ltd.) 7d. net.

The Human Body. By Prof. H. N. Martin. Tenth edition, revised by Prof. E. G. Martin. Pp. xviii+649. (New York: H. Holt and Co.)

The Wheat Problem. By Sir W. Crookes. Third edition, with Preface, and Additional Chapter, bringing the Statistical Information up to date, and a Chapter on Future Wheat Supplies, by Sir R. H. Rew. Pp. xvi+100. (London: Longmans and Co.) 3s. 6d. net.

The American Indian. By C. Wissler. Pp. xiii+435. (New York: D. C. McMurtrie.)

The Self and Nature. By Prof. De Witt H. Parker. Pp. ix+316. (Cambridge, Mass.: Harvard University Press; London: H. Milford.) 8s. 6d. net.

Notions Fondamentales de Chimie Organique. By Prof. C. Mouren. Fifth edition. Pp. 548. (Paris: Gauthier-Villars et Cie.) 20 francs.

The Chemical Constitution of the Proteins. By Dr. R. H. A. Plimmer. In three parts. Part i., Analysis. Third edition. Pp. xii+174. (London: Longmans and Co.) 6s. net.

Treatise on Applied Analytical Chemistry. By Prof. V. Villavecchia and others. Translated by T. H. Pope. Vol. i. Pp. xvi+475. (London: J. and A. Churchill.) 21s. net.

Quantitative Chemical Analysis. By Prof. F. Clowes and J. B. Coleman. Eleventh edition. Pp. xxiv+580. (London: J. and A. Churchill.) 12s. 6d. net.

Therapeutic Immunisation. By Dr. W. M. Crofton. Pp. 224. (London: J. and A. Churchill.) 7s. 6d. net.

Reagents and Reactions. By Prof. E. Tognoli. Translated by C. A. Mitchell. Pp. viii+228. (London: J. and A. Churchill.) 6s. net.

Locke's Theory of Knowledge and its Historical Relations. By Prof. J. Gibson. Pp. xiv+338. (Cambridge: At the University Press.) 10s. 6d. net.

The Problem of Creation. By the Rt. Rev. J. E. Mercer. Pp. xiii+325. (London: S.P.C.K.) 7s. 6d. net.

The Vegetable Garden. By E. J. S. Lay. Pp. 144. (London: Macmillan and Co., Ltd.) 1s. 6d.

### DIARY OF SOCIETIES.

#### THURSDAY, DECEMBER 6.

ROYAL SOCIETY, at 4.30.—The Series of Legendre: Prof. W. H. Young.—The Discharge of Gases under High Pressures: L. Hartshorn.—Internal Ballistics: Lieut.-Col. A. G. Hadcock.—The Electrostatic Problem of a Conducting Sphere in a Spherical Cavity: Dr. Alex. Russell.—The Zeros of Bessel Functions: Prof. G. N. Watson.  
INSTITUTION OF ELECTRICAL ENGINEERS, at 6.—Electrical Cooking as applied to Large Kitchens: W. A. Gillott.  
CHEMICAL SOCIETY, at 8.—The Relation between Chemical Constitution and Physiological Action: Dr. F. L. Pyman.  
MATHEMATICAL SOCIETY at 5.—A New Method of describing a Three-bar Curve: Col. R. L. Hippley.—Proof of the Primality of  $N = \frac{1}{9}(10^{19} - 1)$ : Oscar Hoppe.—New Tauberian Theorems: Messrs. Hardy and Littlewood.

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—The Curves which lie on the Quartic Surface in Space of Four Dimensions and the corresponding Curves on the Cubic Surface and the Quartic with a Double Conic: C. V. Hanumanta Rao.—(1) The connection between Legendre Series and Fourier Series; (2) Series of Bessel Functions: Prof. W. H. Young.

#### MONDAY, DECEMBER 10.

ROYAL SOCIETY OF ARTS, at 4.30.—Progress in the Metallurgy of Copper: Prof. H. C. H. Carpenter.  
ROYAL GEOGRAPHICAL SOCIETY, at 8.30.—The Future of Siberia and her Neighbours: Col. Harold Swayne.

#### WEDNESDAY, DECEMBER 12.

ROYAL SOCIETY OF ARTS, at 4.30.—Technical Training for Disabled Soldiers and Sailors: Lord Charnwood.  
FARADAY SOCIETY, at 7.50.—Annual General Meeting.—At 8.—A Study of the Refractivities of Saturated and Unsaturated Compounds. I. and II.: Gervaise Le Bas.—The Thermal Properties of Sulphuric Acid and Oleum: Dr. Alfred W. Porter.—Iso-piestic Solutions: W. R. Bousfield, K.C.

#### THURSDAY, DECEMBER 13.

ROYAL SOCIETY, at 4.30.—*Probable Papers*: The Formation of Nitrites from Nitrates in Aqueous Solution by the Action of Sunlight and the Assimilation of the Nitrites by Green Leaves in Sunlight: B. Moore.—The Transition from Rostro-carinate Flint Implements to the Tongue-shaped Implements of River-terrace Gravels: J. R. Moir.  
LINNEAN SOCIETY, at 5.—Seeds with a Stony Endocarp and their Germination: A. W. Hill.—*Inter se* Experiments in Pheasant Crossing in evidence of Mendel's Law: Mrs. R. Haig Thomas.  
ROYAL SOCIETY OF ARTS, at 4.30.—The Trade of India with Russia, France, and Italy: D. T. Chadwick.  
OPTICAL SOCIETY, at 8.—Proposed Standard Optical Notation and Sign Convention: J. W. French.—Optical Nomenclature and Symbolism: T. Smith.  
INSTITUTION OF ELECTRICAL ENGINEERS, at 6.—Discussion on the Metric System. Introductory Papers by L. B. Atkinson and A. J. Stubbs.

#### FRIDAY, DECEMBER 14.

ROYAL ASTRONOMICAL SOCIETY, at 5.  
INSTITUTION OF MECHANICAL ENGINEERS, at 6.—The Use of Soap Films in Solving Torsion Problems: A. A. Griffith and G. I. Taylor.

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