

chromatin with that of its "receptor cell" had been observed, and no explanation of the phenomenon was offered.

PETROGRAD.

Imperial Academy of Sciences, October 19, 1916.—**M. D. Zalésskij**: The carbon flora discovered by V. N. Robinson and I. I. Nikšič in the N. Caucasus.—**A. A. Čuprov**: The mathematical expectancy of the coefficient of dispersion.—**V. V. Zaleskij**: The fate of the spermatozoa and the segmentation of the ovum of *Salpa africana*.—**I. A. Balanovskij**: The new variable in Hercules.—**L. S. Kolovrat-Červinskij**: The disengagement of the emanation from solid or fused radium salts.—**P. A. Zemiatsenskij**: Deposits of fireproof clay in the neighbourhood of Latna, on the Kiev-Voronež Railway, Lepecka (Tambov Government), and Čirikov, on the Griaze-Orlov Railway (Voronež Government).—**V. V. Redikorzev**: New pseudo-scorpions.—**V. A. Lindholm**: Contributions to the malacological fauna of the Government of Nižnij Novgorod.—**N. S. Kurnakov**: The discovery in Russia of potassium chloride or sylvine.

November 2, 1916.—**N. Ja. Cinger**: The most useful species of conic projections.—**S. I. Metalnikov**: The problem of the immortality of unicellular protozoa.—**N. A. Bush**: Valuable trees of the Caucasus.—**N. V. Nasonov**: Supplementary notes on *Ovis orientalis*, Gmel.—**A. Martynov**: Supplementary note on the Trichoptera fauna of the Crimea.

SECTION OF HISTORICAL SCIENCE AND PHILOLOGY, October 26, 1916.—**N. Ja. Marr**: The date of the Mosoch migration from Armenia to Svania.

November 9, 1916.—**K. A. Inostrancev**: The Charput inscription (561 H.).

BOOKS RECEIVED.

The High Price of Sugar and How to Reduce It. By H. H. Smith. Pp. iv+54. (London: John Bale, Ltd.) 1s. net.

Atoms. By Prof. J. Perrin. Translated by D. Ll. Hammick. Pp. xiv+211. (London: Constable and Co., Ltd.) 6s. net.

Laboratory Manual of General Chemistry, with Exercises in the Preparation of Inorganic Substances. By A. B. Lamb. Pp. vi+160+pp. for Notes. (Cambridge, Mass.: Harvard University Press.)

Australia. By Prof. J. W. Gregory. Pp. 156. (Cambridge: At the University Press.) 1s. 3d. net.

The Classics of International Law:—Synopsis Juris Gentium. By Prof. J. Wolfgang Textor. Edited by Prof. L. von Bar. Vol. i., A Reproduction of the First Edition. Vol. ii., A Translation of the Text. By J. P. Bate. (Washington: Carnegie Institution.)

The Interferometry of Reversed and Non-reversed Spectra. By Prof. C. Barus. Pp. 158. (Washington: Carnegie Institution.)

Sissano: Movements of Migrations Within and Through Melanesia. By W. Churchill. Pp. 181. (Washington: Carnegie Institution.)

A Naturalist in Borneo. By the late R. W. C. Shelford. Edited, with a biographical introduction, by Prof. E. B. Poulton. Pp. xxvii+331+plates xxxii. (London: T. Fisher Unwin, Ltd.) 15s. net.

DIARY OF SOCIETIES.

THURSDAY, JANUARY 11.

ROYAL GEOGRAPHICAL SOCIETY, at 5.30.—The Amazon River and Unexplored South America: J. Campbell Besley.

INSTITUTION OF ELECTRICAL ENGINEERS, at 8.—Principles Involved in Computing the Depreciation of Plant: F. Gill and W. W. Cook.

FRIDAY, JANUARY 12.

ROYAL ASTRONOMICAL SOCIETY, at 5.—Probable Motions in the Spiral Nebula M 51 (Canes Venatici) found with the Stere-Comparator.—S.

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Kostinsky.—A Determination of the Constant of Aberration: S. S. Hough.—(1) The Part played by Rotation in Cosmic Evolution: (2) Note on the Action of Viscosity on Gaseous and Nebular Masses: J. H. Jeans.—Observations made at Adelaide during the Annular Eclipse of the Sun, July 30, 1916: Adelaide Observatory.

MALACOLOGICAL SOCIETY, at 8.—*Fatella vulgata*, L., and its so-called Variety, *P. depressa*, Penn.: Rev. Dr. A. H. Cooke.—The Occurrence of Manganese in Mollusca: Dr. A. E. Boycott.—Note on the Holotype of *Crioceratites bowyerbanki*: J. de C. Sowerby and G. C. Crick.

MONDAY, JANUARY 15.

VICTORIA INSTITUTE, at 4.30.—Christian Mysticism: Very Rev. Dean Inge.

TUESDAY, JANUARY 16.

ROYAL INSTITUTION, at 3.—The Old Brain and the New Brain, and their Meaning: Prof. C. S. Sherrington.

ROYAL STATISTICAL SOCIETY, at 5.15.

MINERALOGICAL SOCIETY, at 5.30.—Tapiolite in the Pilbara Goldfield, Western Australia: E. S. Simpson.—Palaeophycology; the Organic Origin of some Minerals occurring in Sedimentary Rocks: J. V. Samojloff.—The Simondium Meteorite: Dr. G. T. Prior.

WEDNESDAY, JANUARY 17.

ROYAL MICROSCOPICAL SOCIETY, at 8.—Presidential Address: Alcide d'Orbigny, his Life and his Work: E. Heron-Allen.

ROYAL METEOROLOGICAL SOCIETY, at 5.—Annual General Meeting.—Presidential Address: The Winds of North Africa: Major H. G. Lyons.

ENTOMOLOGICAL SOCIETY, at 8.—Annual Meeting.

THURSDAY, JANUARY 18.

LINNEAN SOCIETY, at 5.—The Comparative Morphology of the Sorus of Ferns: Prof. F. O. Bower.

MATHEMATICAL SOCIETY, at 5.30.

ROYAL SOCIETY OF ARTS, at 4.30.—Between the Tigris and the Indus. The Ben-i-Israel: Sir T. H. Holdich.

CHEMICAL SOCIETY, at 8.—Alloys of Copper and Tin, Aluminium and Gold: Col. C. T. Heycock.

FRIDAY, JANUARY 19.

ROYAL INSTITUTION, at 5.30.—Soap Bubbles of Long Duration: Sir James Dewar.

INSTITUTION OF MECHANICAL ENGINEERS, at 6.

SATURDAY, JANUARY 20.

ROYAL INSTITUTION, at 3.—The Lakes and Mountains of Central Africa: A. R. Hinks.

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