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SOCIETIES AND ACADEMIES.

PARIS.

Academy of Sciences, September 23.—M. A. Grandier in the chair.—E. L. **Bouvier**: *Caridinopsis chevalieri*, and the genera of the Atyidae peculiar to tropical Africa.—Henri **Douvillé**: The Orbitolines and their connections.—A. **Verschaffel**: The earthquake of the night of September 14-15, 1912. An account of the phenomena observed at the Observatory of Abbazia.—Claude and **Driencourt**: The orthostathemscope or instrument for observing the passage through the zenith of the alignment of two stars on the celestial sphere.—Th. **De Donder**: The invariants of the calculus of variations.—N. **Lusin**: The absolute convergence of trigonometric series.—F. **Briner** and E. L. **Durand**: The conditions of formation of nitrous and nitric acids starting from the oxides of nitrogen and water; application of the law of mass action. Nitric oxide was compressed with solutions of nitric acid of varying concentrations; a general account of the changes noted is given, full details being reserved for a later paper.—Félix **Robin**: The crystallisation of metals by annealing. The metals examined included tin, lead, zinc, aluminium, copper, and iron. The grain developed by annealing was studied by etching with suitable liquids and microscopic examination.—H. **Jumelle** and H. **Perrier de la Bathe**: The cabbage palm of Madagascar.—M. **Chaillot**: The biology and anatomy of Labiates with subterranean stolons.—A. **Desmoulière**: The antigenic bodies in the Wassermann reaction. An account of the effects of the addition of cholesterol to the alcoholic extract of syphilitic liver. The sensibility and keeping powers are increased.—Maurice **Piettre**: The influence of some chemical compounds on the artificial melanines.

BOOKS RECEIVED.

The Simple Carbohydrates and the Glucosides. By Dr. E. F. Armstrong. Second edition. Pp. viii+171. (London: Longmans, Green and Co.) 5s. net. (Monographs on Biochemistry.)

Oxidations and Reductions in the Animal Body. By Dr. H. D. Dakin. Pp. viii+135. (London: Longmans, Green and Co.) 4s. (Monographs on Biochemistry.)

The Teratology of Fishes. By Dr. J. F. Gemmill. Pp. xvii+74+xxvi plates. (Glasgow: J. MacLehose and Sons.) 15s. net.

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Wild Flowers as They Grow. Photographed in Colour direct from Nature. By H. Essenhigh Corke, with descriptive text by G. Clarke Nuttall. Fourth series. Pp. viii+300. (London: Cassell and Co., Ltd.) 5s. net.

Mind and its Disorders. By Dr. W. H. D. Stoddart. Second edition. Pp. xvi+518. (London: H. K. Lewis.) 12s. 6d. net.

South America: Observations and Impressions. By James Bryce. Pp. xxv+611. (London: Macmillan and Co., Ltd.) 8s. 6d. net.

Greek Sculpture: One Hundred Illustrations. By J. Warrack. Pp. xxx+plates. (Edinburgh: O. Schulze and Co.) 3s. 6d. net.

Twelve Moons. By F. A. Bardswell. Pp. 91. (London: Elkin Matthews.) 2s. 6d. net.

Radnorshire. By L. Davies. Pp. xi+156. (Cambridge University Press.) 1s. 6d. (Cambridge County Geographies.)

Celluloid: its Manufacture, Applications, and Substitutes. By Masselon, Roberts, and Cillard. Translated from the French by Dr. H. H. Hodgson. Pp. xx+356. (London: C. Griffin and Co., Ltd.) 25s. net.

Modern Mine Valuation. By M. H. Burnham. Pp. xi+160. (London: C. Griffin and Co., Ltd.) 10s. 6d. net.

Leuchtende Pflanzen. By Dr. H. Molisch. Zweite Auflage. Pp. viii+198. (Jena: Gustav Fischer.) 7-50 marks.

Legends of Our Little Brothers: Fairy Lore of Bird and Beast. Retold by L. Gask. Pp. 268. (London: G. G. Harrap and Co.) 3s. 6d. net.

Modern Problems. By Sir Oliver Lodge. Pp. vii+320. (London: Methuen and Co., Ltd.) 5s. net.

Treatise on General and Industrial Inorganic Chemistry. By Dr. E. Molinari. Third edition. Translated by Dr. E. Feilmann. Pp. xvi+704. (London: J. and A. Churchill.) 21s. net.

The Birds of Africa. By G. E. Shelley. Vol. v., part ii. Pp. viii+165-502+plates. (London: H. Sotheran and Co.) 1l. 11s. 6d. net.

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