

tectonic of the Asturias; the signification of the Arnao mylonites.—P. E. B. Jourdain: Demonstration of a theorem on ensembles.—L. Schlusel: The value of the accelerations and velocities of dynamical actions registered by the dynamometer.—A. C. Vournasos: A new metastable form of antimony tri-iodide. Pure glycerol at its boiling point dissolves 20 per cent. of antimony tri-iodide, and deposits it on cooling as an amorphous powder, a fourth metastable modification of this substance. At 172° C. it is completely transformed into the stable form of hexagonal crystals.—R. Charpiat: The glauconite sands of the Lower Lutetian, in the north-east of the département of the Marne.—A. Lécaillon: The manner in which *Psammophila hirsuta* captures and carries its prey, and the rational explanation of the instinct of this Hymenoptera. The sense of smell is suggested as the means by which the prey is detected.—A. Durand: Correlation between the phenomena of condensation and smell. The author gives reasons for the view that water vapour plays a part in the mechanism of smell.

BOOKS RECEIVED.

The Young Observer's Handbook. By W. P. Westell. Pp. 317. (London: McBride, Nast, and Co., Ltd.) 7s. 6d. net.

Carnegie Institution of Washington Year-Book, No. 16. Pp. xvi+358. (Washington: Carnegie Institution.)

Club Types of Nuclear Polynesia. By W. Churchill. Plates xvii+pp. 173. (Washington: Carnegie Institution.)

Forecasting the Yield and the Price of Cotton. By Prof. H. L. Moore. Pp. vi+173. (New York: The Macmillan Co.; London: Macmillan and Co., Ltd.)

The Aviation Pocket-Book for 1918. By R. B. Matthews. Pp. xvi+362. (London: Crosby Lockwood and Son.) 6s. net.

Welfare and Housing. By J. E. Hutton. Pp. viii+192. (London: Longmans and Co.) 5s. net.

Carnegie Institution of Washington. Papers from the Department of Marine Biology. Vol. xii. Pp. v+258. (Washington: Carnegie Institution.)

The Interferometry of Reversed and Non-reversed Spectra. By Prof. C. Barus. Part ii. Pp. 146. (Washington: Carnegie Institution.)

European Treaties bearing on the History of the United States and its Dependencies to 1648. Edited by F. G. Davenport. Pp. vi+387. (Washington: Carnegie Institution.)

Applied Bacteriology. Edited by Dr. C. H. Brown- ing. Pp. xvi+291. (Oxford Medical Publications.) (London: H. Frowde and Hodder and Stoughton.) 7s. 6d. net.

DIARY OF SOCIETIES.

THURSDAY, APRIL 18.

ROYAL INSTITUTION, at 2.—Present-day Applications of Experimental Psychology: Lt.-Col. C. S. Myers.
ROYAL SOCIETY OF ARTS, at 4.30.—Water Power in India: A. Dickinson.
INSTITUTION OF MINING AND METALLURGY, at 5.30.
LINNEAN SOCIETY, at 5.—Narrative of the Percy Sladen Expedition to Brazil in 1913, with Lantern-slides: Prof. J. P. Hill.
INSTITUTION OF ELECTRICAL ENGINEERS, at 6.—Overseas Distribution of Engineering Appliances: L. Andrews.
CHEMICAL SOCIETY, at 8.—Hugo Müller Lecture: The Old and the New Mineralogy: Sir Henry Miers.
MATHEMATICAL SOCIETY, at 5.

FRIDAY, APRIL 19.

ROYAL INSTITUTION, at 5.30.—The Use of Soap Films in Engineering: Major G. I. Taylor.
INSTITUTION OF MECHANICAL ENGINEERS, at 6.

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SATURDAY, APRIL 20.

ROYAL INSTITUTION, at 3.—Musical Instruments Scientifically Considered: Prof. E. H. Barton.

MONDAY, APRIL 22.

ROYAL SOCIETY OF ARTS, at 4.30.—Military Explosives of To-day: J. Young.

ARISTOTELIAN SOCIETY, at 8.—Behaviour as a Psychological Concept: Prof. A. Robinson.

ROYAL GEOGRAPHICAL SOCIETY, at 8.30.—The Transkei: Miss M. H. Mason.

TUESDAY, APRIL 23.

ROYAL INSTITUTION, at 3.—Barrow-Explorers: Prof. A. Keith.

ROYAL STATISTICAL SOCIETY, at 5.15.—The Industrial Position of Italy: Prof. Commendatore Attilico and Capt. F. Giannini.

INSTITUTION OF CIVIL ENGINEERS, at 5.30.—Annual General Meeting.

ZOOLOGICAL SOCIETY, at 5.30.—Report on the Deaths in the Gardens during the Year 1917: Dr. J. A. Murray.—Exhibition of Specimens Illustrating the Effects of Rickets: Prof. Wood-Jones.

WEDNESDAY, APRIL 24.

ROYAL SOCIETY OF ARTS, at 4.30.—Mental Effects of the War and their Lessons in Social and Medical Reconstruction: Sir Robert Armstrong-Jones.

THURSDAY, APRIL 25.

ROYAL SOCIETY, at 4.30.—Bakerian Lecture: Experiments on the Production of Diamond: Sir Charles Parsons.

ROYAL INSTITUTION, at 3.—Rheims Cathedral: Sir Isambard Owen.

INSTITUTION OF ELECTRICAL ENGINEERS, at 6.—Large Batteries for Power Purposes: E. C. McKinnon.

FRIDAY, APRIL 26.

ROYAL INSTITUTION, at 5.30.—Food Production and English Land: Sir A. Daniel Hall.

PHYSICAL SOCIETY, at 5.—Notes on the Pulfrich Refractometer: J. Guild.—The Accuracy attainable with Critical Angle Refractometers: F. Simeon.—Cohesion: Dr. H. Chatley.

SATURDAY, APRIL 27.

ROYAL INSTITUTION, at 3.—Modern Investigation of the Sun's Surface: Prof. H. F. Newall.

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Editorial and Publishing Offices:

MACMILLAN AND CO., LTD.,
ST. MARTIN'S STREET, LONDON, W.C.2.

Advertisements and business letters to be addressed to the Publishers.

Editorial Communications to the Editor.

Telegraphic Address: PHUSIS, LONDON.

Telephone Number: GERRARD 8830.