

## BOOKS RECEIVED.

Fortschritte der naturwissenschaftlichen Forschung. Edited by Prof. E. Abderhalden. Achter Band. Pp. 308. (Berlin and Vienna: Urban and Schwarzenberg.) 15 marks.

Behaviour Monographs. Vol. ii., No. 1, Serial No. 6. The Delayed Reaction in Animals and Children. By W. S. Hunter. Pp. 86. (Cambridge, Mass.: H. Holt and Co.)

Cape of Good Hope. Department of Mines. Sixteenth Annual Report of the Geological Commission. 1911. Pp. 136+v. (Cape Town: Cape Times, Ltd.)

A Naturalist in Cannibal Land. By A. S. Meek. Edited by F. Fox. Pp. xviii+238+plates. (London: T. Fisher Unwin.) 10s. 6d. net.

The Living Plant. By Prof. W. F. Ganong. Pp. xii+478+plates. (New York: H. Holt and Co.) 3.50 dollars net.

The Child: its Care, Diet, and Common Ills. By Dr. E. M. Sill. Pp. viii+207. (New York: H. Holt and Co.) 1 dollar net.

The Fringe of the East. By H. C. Lukach. Pp. xiii+273. (London: Macmillan and Co., Ltd.) 12s. net.

Trans-Himalaya. By Sven Hedin. Vol. iii. Pp. xv+426+plates+maps. (London: Macmillan and Co., Ltd.) 15s. net.

A Dictionary of Applied Chemistry. By Sir E. Thorpe, assisted by eminent contributors. Revised and enlarged edition in five vols. Vol. iv. Pp. viii+727. (London: Longmans and Co.) 45s. net.

Ueber kausale und konditionale Weltanschauung und deren Stellung zur Entwicklungsmechanik. By W. Roux. Pp. 66. (Leipzig: W. Engelmann.) 1.50 marks.

Handbuch der vergleichenden Physiologie. Edited by H. Winterstein. Lief. 34. (Jena: G. Fischer.) 5 marks.

## DIARY OF SOCIETIES.

## THURSDAY, MAY 29.

ROYAL SOCIETY, at 4.30.—*Acineta tuberosa*; a Study on the Action of Surface Tension in Determining the Distribution of Salts in Living Matter: Prof. A. B. Macallum.—Morphology of Various Strains of the Trypanosome causing Disease in Man in Nyasaland. IV. The Mzimba Strain: Surg.-General Sir David Bruce, Major D. Harvey, Major A. E. Hamerton, and Lady Bruce.—Notes on *Toxoplasma gondii*: Helen L. M. Pixell.—An Investigation by Pedigree Breeding into the Polymorphism of *Papilio polytes*, Linn.: J. C. F. Fryer.—The Action of Radium Rays upon the Cells of Jensen's Rat Sarcoma: Dr. S. Russ and Dr. Helen Chambers.

ROYAL INSTITUTION, at 3.—Recent Chemical Advances. II. Chemistry in Space: Prof. W. J. Pope.

ROYAL SOCIETY OF ARTS, at 4.30.—Indian Section.—Irrigation Works in India: Sir John Benton, K.C.I.E.

SOCIETY OF DYERS AND COLOURISTS, at 8.—The Action of Ozone on Some Textile Fibres: Dr. C. Doré.—Some Defects in Silk Dyeing: Dr. L. L. Lloyd.

## FRIDAY, MAY 30.

INSTITUTION OF ELECTRICAL ENGINEERS, at 8.—Annual General Meeting. At 8.30.—Practical Application of Telephone Transmission Calculations: A. J. Aldridge

PHYSICAL SOCIETY, at 5.—The Origin of New Stars: Prof. A. W. Bickerton.—Electro-thermal Phenomena at the Contact of Two Conductors with a Theory of a Class of Radio-telegraph Detectors: Dr. W. H. Eccles.—The Evaluation of Certain Combinations of the Ber, Bei, and Allied Functions: S. Butterworth.—The Extraordinary Ray Resulting from the Internal Reflection of an Extraordinary Ray at the Surface of an Uniaxial Crystal: J. Walker.

## SATURDAY, MAY 31.

ROYAL INSTITUTION, at 3.—Radioactivity. II. The Origin of the Beta and Gamma Rays and the Connection between them: Prof. E. Rutherford.

## MONDAY, JUNE 2.

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

SOCIETY OF CHEMICAL INDUSTRY, at 8.—Precipitation in Aqueous and Colloidal Systems: W. P. Dreyer.—Some Experiments on the Theory of Electro Tanning: E. K. Rideal and U. R. Evans.—An Illustration of the Partial Pyrite Process: W. R. Schoeller.—The Estimation of Alcohol in Beer by Means of Malligand's Ebullioscope: J. C. Cain.—The Joint Action of Catalysing Agents. Dehydration of Ethyl Alcohol and Ethyl Ether: General W. Spatiew.

INSTITUTE OF ACTUARIES, at 5.

## TUESDAY, JUNE 3.

ROYAL INSTITUTION, at 3.—Recent Advances in the Production and Utilisation of Wheat in England: Prof. T. B. Wo d.

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ZOOLOGICAL SOCIETY, at 8.30.—Notes on Turacin and Turacin-bearers: Sir A. H. Church.—Observations on the Anatomy of the Shoe-bill (*Balaeniceps rex*): Dr. P. Chalmer's Mitchell.—Some Miocene Cirripedes of the Genera *Hexelasma* and *Scalpellum* from New Zealand: T. H. Withers.—The Classification and Phylogeny of the Calcareous Sponges, with a Reference List of all the Described Species, systematically arranged: Prof. A. Dendy and R. W. H. Row.—Contributions to the Anatomy of the Ophidia: Surg. J. C. Thompson.—Observations on Osteomalacia in the Zoological Collections of Manchester and Cleveland: Prof. T. Wingate Todd.

RÖNTGEN SOCIETY, at 8.15.—Reflection of X-rays: Prof. C. G. Barkla.—Experiments on the Reflection of X-rays: Dr. R. W. A. Salmond.

## WEDNESDAY, JUNE 4.

SOCIETY OF PUBLIC ANALYSTS, at 8.—An Electrochemical Indicator for Oxidisers: E. K. Rideal and U. R. Evans.—The Estimation of Tannin in Tea: H. L. Smith.—The Detection and Estimation of Nickel by means of  $\alpha$ -Benzildioxime: F. W. Atack.—The Analysis of Various East Indian Tanned Hides: M. C. Lamb.—Note on the Sterilisation of Rag Flock Samples: L. Reed.—A General Method for the Detection of Caramel: P. F. Thompson.

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

## THURSDAY, JUNE 5.

ROYAL SOCIETY, at 4.30.—Croonian Lecture: The Origin of Mammals: Dr R. Broom.

ROYAL INSTITUTION, at 3.—Recent Chemical Advances. III. The Structure of Crystals: Prof. W. J. Pope.

## FRIDAY, JUNE 6.

ROYAL INSTITUTION, at 9.—Reflection and Refraction of Light as Concealing and Revealing Factors in Sub-aquatic Life: F. Ward.

## SATURDAY, JUNE 7.

ROYAL INSTITUTION, at 3.—Radio-activity. III. The Radio-active State of the Earth and Atmosphere: Prof. E. Rutherford. (The Tyndall Lectures.)

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