

geological investigations on the Insubric line between the Tessino and the Tonale pass.

Feb. 9.—E. Gebauer-Fülneegg and E. Riess: The course of oxidation in aryl-sulpho-arylates.—E. Gebauer-Fülneegg, E. Riess, and S. Ilse: Studies on aryl-sulpho-chloride (2).—S. Oppenheim: The periods of sunspots: Besides the 11-year period there seem to be many others including a longer period of some 450 years comparable with the earth's magnetic period. As a variable star the sun may be compared to Mira Ceti and R. V. Tauri.—O. Abel: A contribution to the phylogenesis of horses: the phylogenetic position of *Hipparion* and *Neohipparion*. *Hipparion* is confirmed as a form between the Miocene and Quaternary horses; *Pliohippus* and *Plesippus* are apparently not direct ancestors of recent horses.—R. Girtler: The calculation of indeterminate kinetic-static systems.—R. Pösch (the late) Anthropological publications, vol. I. West African negroes were studied in prisoner-of-war camps.

Official Publications Received.

BRITISH.

Catalogue of Indian Insects. Part 14: Palpicornia. By A. d'Orchymont. Pp. iv+146. 2.8 rupees; 4s. 6d. Part 16: Cosmopterygidae. By T. Bainbridge Fletcher. Pp. v+33. 10 annas; 1s. Part 17: Yponomeutidae. By T. Bainbridge Fletcher. Pp. iv+26. 8 annas; 10d. (Calcutta: Government of India Central Publication Branch.)

Hampstead Garden Suburb. Programme of the Coming-of-Age Celebrations, June 23rd to 30th, 1928. Edited by W. Loftus Hare. Pp. 66. (London: F. Howard Doulton and Co., Ltd.) 6d.

FOREIGN.

Ministry of Public Works, Egypt: Physical Department. Helwan Observatory Bulletin No. 33: Time Determinations and Observations of Wireless-Time Signals, 1926, October and November. By P. A. Curry. Pp. 20. (Cairo: Government Publications Office.)

Bulletin of the American Museum of Natural History. Vol. 57, Art. 5: An Ornithological Survey of the Serra Do Itatiaia, Brazil. By Ernest G. Holt. Pp. 251-326 + plates 6-19. (New York City.)

CATALOGUES.

McGraw-Hill Books on Mathematics and Physics. (List 13.) Pp. 16. (London: McGraw-Hill Publishing Co., Ltd.)

A Catalogue of Important and Rare Books on Zoology and Geology: including the Entomological Library of G. T. Bethune-Baker and a Selection from the Library of W. de Selys Longchamps. (No. 417.) Pp. 130. (London: Bernard Quaritch, Ltd.)

Addenda List for General and Industrial Laboratory Apparatus Catalogue. Eighth edition. Pp. 40. (London: A. Gallenkamp and Co., Ltd.)

Catalogue of Microscopes. Part 5: Photomicrographic and Projection Instruments. Pp. 501-532. 32nd edition. Part 6: Petrological Microscopes. 32nd edition. Pp. 601-624. (London: W. Watson and Sons, Ltd.)

Catalogue de livres anciens et modernes rares ou curieux relatifs à l'Orient. (No. 7.) Pp. 62. (Paris: Librairie Adrien-Maisonneuve.)

Old and Modern Books: Bibliography, English and Foreign Literature, Voyages and Travels. (No. 21.) Pp. 66. (Newcastle-on-Tyne: William H. Robinson.)

The Taylor-Hobson Outlook. Vol. 3, No. 9, June. Pp. 81-92. (Leicester and London: Taylor, Taylor and Hobson, Ltd.)

Diary of Societies.

WEDNESDAY, JULY 11.

ROYAL MEDICO-PSYCHOLOGICAL ASSOCIATION (Annual Meeting) (at West Riding Mental Hospital, Wakefield) (continued on July 12 and 13).

PUBLIC LECTURE.

THURSDAY, JULY 12.

INSTITUTE OF PHYSICS (at Institution of Electrical Engineers, Savoy Place, W.C.2), at 8.—Dr. C. E. Kenneth Mees: Physics in Photography.

CONGRESSES.

JULY 9-14.

SEVENTH INTERNATIONAL CONGRESS OF PHOTOGRAPHY, 1928 (at the Imperial College of Science and Technology, South Kensington).—Dr. A. Steigmann: Theory of Photographic Sensitivity.—Dr. Lippo-Cramer: The Herschel Effect as a Regression Phenomenon.—L. A. Jones and V. C. Hall: On the Relation between the Time and Intensity in Photographic Exposure.—Dr. S. E. Sheppard and A. P. H. Trivelli: A Comparison of some Developers for Sensitometric Standards.—Dr. S. E. Sheppard and Crouch: A Machine for the Automatic Development of Sensitometric Strips.—L. A. Jones: Systematic Nomenclature in Photographic

Sensitometry.—L. A. Jones and Russell: The Expression of Plate Speed in Terms of Minimum Useful Gradient.—O. Sandvik: On the Measurement of Resolving Power of Photographic Materials.—L. A. Jones and Chambers: High-Intensity Time-Scale Sensitometer.—Dr. E. P. Wightman and Quirk: Intensification of the Photographic Latent Image.—Dr. A. Steigmann: Silver Iodide in the Full-Ammonia Emulsion.—Prof. Dr. Emil Baur: Sensitisation and Desensitisation.—Prof. Dr. A. Lottermoser: Observations and Measurements on the Light-Sensitivity of Silver Halide Sols.—Prof. Dr. Fritz Weigert: On the Light-Sensitivity of Photographic Layers.—T. Thorne Baker and Balmain: The Effect of Temperature on the Sensitivity of Selected Photographic Emulsions and the Influence of Wave-length on such Temperature Effect.—O. Bloch: The Interaction of the Silver Halides in Emulsion Form.—Dr. F. C. Toy, and others: On Turbidity.—Prof. Dr. J. Eggert: On Secondary Processes in the Exposure of Silver Halides.—Prof. Dr. R. Luther: Sensitometric Studies.—Dr. F. M. Hamer: A Chemical Study of Desensitisers. Part I. An Account of the known Desensitisers.—Dr. D. A. Spencer: The Ferro-Prussiate Process; The Ferro-Gallie Process; The Diazo-Type Process; A New Application of the Ferro-Gelatine Process; Printing in Colours with Diazo Compounds.—H. W. Lee: The Modern Super-Speed Lens.—S. Jasienski: The Stereoscopic Effect of High-Aperture, Long-Focus Objectives.—N. Fleming: The Photography of Sound Waves.—Dr. Anderson: The Testing of Photographic Shutters; Lens Interferometry.—Prof. Hartridge: The Focal-Plane Shutter.—Capt. C. J. P. Cave: The Photography of Inaccessible Interior Architectural Details with a Spot-Light.—G. Auborne Clarke: The Photography of Clouds.—Prof. E. G. Coker: Photography as an Aid to the Study of Mechanical Stresses.—O. G. S. Crawford: Archaeological Photography from the Air.—Capt. M. Hotine: On Photographic Surveying.—Prof. Nanius: On Positives by Reversal.—A. R. Hinks: The Work of the Wild Phototheodolite in the Shaksgram.—W. M. H. Greaves: Astronomical Spectrophotometry.—Dr. E. Viterbi: The Fine-grained Emulsion and its Application to Spectrography.—Mr. Elwell: Paper on and Demonstration of Talking Film.—A. J. Bull: Tone Rendering by Half-Tone Processes.—H. M. Cartwright: (1) The Progress of Photogravure Etching; (2) A Method of Colour Correction.—A. A. K. Tallent: Latest Applications of Pyro-Tanning Processes.—E. L. Turner: Modern Photo-Engraving Screens.—William Gamble: The Present Position and Future Possibilities of Photo-Engraving.—H. N. Durham: Mercury Printing Processes.—F. J. Tritton: The Uses of Colour Photography in the Printing Trade.—Prof. Dr. E. Lehmann: On his Two-Colour Process.—Dr. R. von Arx: Dye-transfer Process from Dye Mordant Images.—F. G. Tutton: The Value of the Chromoscope in Commercial Colour Photography.—Commander H. E. Rendall: A Paper on Tri-colour Cameras.—Dr. R. A. Houston: A Paper on the Colour Mechanism of the Eye.—Julius Rheinberg: Demonstration of Micro-Spectra Method of Colour Photography.—F. C. Tiney: Pictorial Photography: the Relation of Technical Advance.—H. Garnet and G. H. Oakden: The Original Binocular Stereoscopic Camera of John Benjamin Dancer.—Dr. E. Kuchinka: W. Fr. Voigtländer's Eight-inch Double-Objective, and other Large Objectives.

JULY 13, 14, AND 15.

MIND ASSOCIATION: ANNUAL MEETING AND JOINT SESSION WITH THE ARISTOTELIAN SOCIETY.

July 13.

At 5.—Mind Association (Annual Meeting) (at Clifton Hill House, Bristol), followed by a Joint Session with the Aristotelian Society, for which the following arrangements have been made:—

Friday, July 13.

At 8.—Chairman: Prof. J. A. Smith.—Address by Prof. G. C. Field.

Saturday, July 14.

At 10.—Chairman: Prof. Beatrice Edgell.—Symposium: The Nature of the Self and of Self-consciousness. Prof. G. Dawes Hicks, Prof. J. Laird, A. Dorward.

At 2.—Chairman: Prof. J. H. Muirhead.—Symposium: Bosanquet's Account of the General Will. A. D. Lindsay, Prof. H. J. Laski.

At 8.—Chairman: Prof. H. Wildon Carr.—Symposium: Time and Change. J. MacMurray, R. B. Braithwaite, Dr. C. D. Broad.

Sunday, July 15.

At 2.—Chairman: Prof. G. E. Moore.—Symposium: Is there a Moral End? Prof. J. L. Stocks, Prof. W. G. De Burgh, W. D. Ross.

At 8.—Chairman: Prof. T. P. Nunn.—Symposium: Materialism in the Light of Modern Scientific Thought. Prof. L. J. Russell, Miss L. S. Stebbing, Prof. A. E. Heath.

EXHIBITION.

MONDAY, JULY 9-SATURDAY, JULY 21.

ROYAL ANTHROPOLOGICAL INSTITUTE.—Exhibition of the Archeological Objects found by Miss G. Caton-Thompson in her Excavations in the Fayum, 1927-1928.

Editorial and Publishing Offices:

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

Editorial communications should be addressed to the Editor.

Advertisements and business letters to the Publishers.

Telephone Number: GERRARD 8830.

Telegraphic Address: PHUSIS, WESTRAND, LONDON.