

Air Ministry: Aeronautical Research Committee. Reports and Memoranda. No. 1230 (Ae. 385): Pressure Plotting a Streamline Body with Tractor Airscrew Running. By C. N. H. Lock and F. C. Johnson. (T. 2721.) Pp. 22+8 plates. 1s. net. No. 1234 (Ae. 389): Tests on Airship Models at Large Reynolds Numbers. By L. F. G. Simmons. (T. 2724.) Pp. 7+2 plates. 6d. net. (London: H.M. Stationery Office.)

The Scientific Proceedings of the Royal Dublin Society. Vol. 19 (N.S.), No. 26: The Uranyl Oxalate Method of Daylight Photometry and its Photo-Electric Standardization. By Dr. W. R. G. Atkins and Dr. H. H. Poole. Pp. 321-339. 1s. 6d. Vol. 19 (N.S.), No. 28: The Photo-Chemical and Photo-Electric Measurement of the Radiation from a Mercury Vapour Lamp. By Dr. W. R. G. Atkins and Dr. H. H. Poole. Pp. 355-364. 1s. (Dublin: Hodges, Figgis and Co.; London: Williams and Norgate, Ltd.)

Air Ministry: Aeronautical Research Committee. Reports and Memoranda. No. 1228 (Ae. 383): Full Scale Control Tests on Fokker F. VII 3M Monoplane. By J. K. Hardy. (T. 2715.) Pp. 8+7 plates. (London: H.M. Stationery Office.) 9d. net.

Ministry of Agriculture and Fisheries. Report on the Work of the Research and Education Division for the Year 1927-28. Pp. 91. (London: H.M. Stationery Office.) 3s. net.

Department of the Interior: North West Territories and Yukon Branch. Yukon: Land of the Klondike. By F. H. Kitto. Pp. 45. (Ottawa: F. A. Acland; London: High Commissioner of Canada.)

Bulletin of the British Cast Iron Research Association. No. 25, July. Pp. 141-184. (Birmingham.)

Battersea Polytechnic, Battersea Park Road, S.W.11. Technical College for Day Students, and Day School of Art and Crafts: Calendar, Session 1929-1930. Pp. 47+12 plates. 3d. Domestic Science Department and Training College: Full Time Day Instruction, Afternoon and Evening Classes, Session 1929-1930. Pp. 84+7 plates. 3d. Department of Hygiene and Public Health, Session 1929-30. Pp. 25+3 plates. 3d. Calendar of Evening and Afternoon Courses and Classes for the Session 1929-1930. Pp. 31+9 plates. Free. (London.)

The Proceedings of the Physical Society. Vol. 41, Part 5, No. 230, August 15. Pp. viii+431-605+ix-xxiv. (London.) 7s. net.

Journal of the Indian Institute of Science. Vol. 12A, Part 7: i. Formation of Heterocyclic Compounds from Diethylxanthic Formic Ester, by Praphulla Chandra Guha and Devendra Nath Datta; ii. Ring Closure of Hydra-Monothiodiocarbonamides with Acetic Anhydride; Formation of Iminothiazolones and Iminothioltriazoles, by Praphulla Chandra Guha and Taran Kanta Chakraborty. Pp. 79-104. (Bangalore.) 1.4 rupees.

FOREIGN.

Department of the Interior: U.S. Geological Survey. Professional Paper 144: The Copper Deposits of Michigan. By B. S. Butler and W. S. Burbank. Pp. xii+238+75 plates. 2.50 dollars. Professional Paper 154-B: The Fauna of the Middle Boone, near Batesville, Arkansas. By George H. Girty. (Shorter Contributions to General Geology, 1928.) Pp. ii+73-103+plates 9-12. 15 cents. Professional Paper 154-C: Salinity of the Water of Chesapeake Bay. By R. C. Wells, R. K. Bailey and E. P. Henderson. (Shorter Contributions to General Geology, 1928.) Pp. ii+105-152+plate 13. 15 cents. Professional Paper 154-D: Origin of the Siliceous Moway Shale of the Black Hills Region. By William R. Ruby. (Shorter Contributions to General Geology, 1928.) Pp. ii+153-170+plates 14-16. 10 cents. Professional Paper 154-E: Oil Shale in a Producing Oil Field in California. By H. W. Hoots. (Shorter Contributions to General Geology, 1928.) Pp. ii+171-173+plate 17. (Washington, D.C.: Government Printing Office.)

Californian Agricultural Extension Service. Circular 29: Control of Pocket Gophers and Moles in California. By Joseph Dixon. Pp. 16. (Berkeley, Calif.)

University of California Publications in Zoology. Vol. 30, No. 14: Mammals collected by Charles D. Brower at Point Barrow, Alaska. By E. Raymond Hall. Pp. 419-425. Vol. 30, No. 15: Pterylography of certain North American Woodpeckers. By William Henry Burt. Pp. 427-442. Vol. 32, No. 2: The Avifauna of Emeryville Shellmound. By Hildegarde Howarde. Pp. 301-394. (Berkeley, Calif.)

Transactions of the San Diego Society of Natural History. Vol. 5, No. 16: Notes on the Marine Pleistocene Deposits of San Diego County, California. By Frank Stephens. Pp. 245-256. Vol. 5, No. 17: A new Miocene Echinoid from California. By Hubert Lyman Clark. Pp. 257-262+plate 21. Vol. 5, No. 18: Loliolopsis Chiroctes, a new Genus and Species of Squid from the Gulf of California. By S. Stillman Berry. Pp. 263-282+plates 32-33. (San Diego, Calif.)

Koninklijk Magnetisch en Meteorologisch Observatorium te Batavia. Verhandelingen No. 8: Het Klimaat van Nederlandsch-Indië. Door Dr. C. Braak. Deel II, Aftleving 3: Buitengewesten behalve Sumatra. (With English Summaries.) Pp. vii+491-545+187-257+2 plates. (Wetvetreden.)

Scientific Papers of the Institute of Physical and Chemical Research. No. 193: On the Transition Probability between two States with Positive or Negative Energy in a Central Field due to Nuclear Charge $Z\alpha$. By Y. Sugita. Pp. 80. 1.00 yen. No. 197: On the Tautomerism of 2:6-Dithio-piperazine. By S. Ishikawa. Pp. 119-129. 25 sen. No. 198: The Near Infra-red Spectra of Helium and Mercury. By T. Takamine and T. Suga. Pp. 131-137. 20 sen. No. 199: A Study of the Helium Band Spectrum, III. By S. Imanishi. Pp. 139-149. 25 sen. (Tokyo: Iwanami Shoten.)

CATALOGUES.

Foster Optical and Radiation Pyrometers. (Book No. 45.) Pp. 44. (Letchworth: Foster Instrument Co.)

The Taylor-Hobson Outlook. Vol. 3, No. 14, September. Pp. 129-136. (Leicester and London: Taylor, Taylor and Hobson, Ltd.)

Wild-Barfield Electric Furnaces for all Industrial Purposes. Pp. 10. (London: Wild-Barfield Electric Furnaces, Ltd.)

The Nickel Bulletin. Vol. 2, No. 3, September. Pp. 65-96. (London: The Mond Nickel Co., Ltd.)

Laboratory Fittings, including "Technico" Standard Unit Type Benches. (List F, revised August.) Pp. 40. (London: A. Gallenkamp and Co., Ltd.)

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Diary of Societies.

FRIDAY, SEPTEMBER 27.

INSTITUTION OF MUNICIPAL AND COUNTY ENGINEERS (in County Hall, March), at 11.30 A.M.—Capt. G. E. Mathews: The Drainage of the Fens.

INSTITUTE OF MARINE ENGINEERS (at Olympia), at 6.30.—H. Barringer: Modern Tanker Practice (Lecture).

INSTITUTE OF BRITISH FOUNDRYMEN (Sheffield and District Section) (at King's Head Hotel, Sheffield), at 7.30.—G. L. Oxley: Presidential Address.

SATURDAY, SEPTEMBER 28.

INSTITUTION OF MUNICIPAL AND COUNTY ENGINEERS (at Town Hall, Wisbech), at 10.30 A.M.—S. Matthew: Notes on the Borough of Wisbech.—R. S. W. Perkins: Notes on the Work of the Highways Department of the Isle of Ely, C.C.

TUESDAY, OCTOBER 1.

LONDON NATURAL HISTORY SOCIETY (at Winchester House, E.C.), at 6.30.—Miss A. Hibbert-Ware: Field Notes on New Zealand Birds.

INSTITUTION OF AUTOMOBILE ENGINEERS (at Royal Automobile Club), at 8.—Prof. W. Morgan: The Member and the Institution (Presidential Address).

TELEVISION SOCIETY (at Engineers' Club, Coventry Street), at 8.—H. S. Ryland: Talking-Films.

SOCIETY OF CHEMICAL INDUSTRY (London Section).—H. A. Sloman: A New Method for the Production of Pure Beryllium Oxide from Beryllium Ores.—R. Taylor: Isolation of Helium from Monazite Sand.

WEDNESDAY, OCTOBER 2.

SOCIETY OF PUBLIC ANALYSIS AND OTHER ANALYTICAL CHEMISTS (at Chemical Society), at 8.—Dr. H. E. Cox: Chemical Tests in Relation to Fur Dermatitis.—J. H. Coste: Demonstration of a Nomogram for Use in Gas Analysis.—P. S. Arup: The Composition of Irish Winter Butter.—Dr. W. R. Schoeller and H. W. Webb: Investigations into the Analytical Chemistry of Tantalum, Niobium, and their Mineral Associates. XVI. Observations on Tartaric Hydrolysis. XVII. The Quantitative Precipitation of the Earth Acids and certain other Oxides from Tartrate Solution.

ENTOMOLOGICAL SOCIETY OF LONDON, at 8.

THURSDAY, OCTOBER 3.

SOCIETY OF ENGINEERS (at Geological Society), at 6.—W. J. Hadfield: Some Road Questions.

SOCIETY OF CHEMICAL INDUSTRY (Bristol Section), at 7.30.—Dr. H. Levinstein: Presidential Address.

FRIDAY, OCTOBER 4.

JUNIOR INSTITUTION OF ENGINEERS, at 7.30.—C. J. Hill: Engineering Experiences on a Tea Estate in Assam.

SATURDAY, OCTOBER 5.

MATHEMATICAL ASSOCIATION (London Branch) (at Bedford College), at 3.—Dr. P. B. Ballard: A Talk about Modern Methods.

GILBERT WHITE FELLOWSHIP (at 6 Queen Square, W.C.1), at 3.—E. A. Martin: Gilbert White and his Village.

ANNUAL MEETING.

MONDAY, SEPTEMBER 30, TO SATURDAY, OCTOBER 5.

BRITISH MYCOLOGICAL SOCIETY (at Bristol).

Monday, Sept. 30, at 8.—Reception by Prof. and Mrs. Darbishire.

Tuesday, Oct. 1, at 10 A.M.—Foyer.

At 8.45.—Annual General Meeting.

Wednesday, Oct. 2.—Visit to Long Ashton Research Station.

At 8.45.—Miss E. M. Wakefield: Fungi Exotici: Past Work and Present Problems (Presidential Address).

Thursday, Oct. 3, at 11 A.M.—Foyer.

At 8.—J. Ramsbottom: The Influence of Fungi on Life in General (Popular Open Lecture).

Friday, Oct. 4, at 11.30 A.M.—Foyer.

At 8.45.—Carleton Rea: Comments on the Finds of the Week.

CONFERENCE.

OCTOBER 10 TO 12.

INTERNATIONAL ASSOCIATION FOR THE PREVENTION OF TUBERCULOSIS (at Connaught Hall, Newcastle-upon-Tyne).

Thursday, Oct. 10.—Dr. H. Mess: Tuberculosis on Tyneside: a Sociological Study.

Dr. E. Rist and others: The Factors that produce Pulmonary Tuberculosis.

Friday, Oct. 11.—Dr. W. Brand: A Scheme of National Propaganda regarding Tuberculosis.

Dr. A. H. Macpherson: Combined Treatment and Technical Education of Tuberculous Youths.

Dr. T. Beattie and Dr. F. Hewat: The Teaching of Tuberculosis to Undergraduates.

Dr. W. H. Dickinson: The Training of Tuberculosis Medical Officers.

Dr. H. Williams: Methods of Medical Propaganda regarding Tuberculosis.

Dr. W. Guy: Dentistry in Relation to Tuberculosis.