

Official Publications Received.

BRITISH.

Hull Museum Publications. No. 145: Record of Additions, No. 70. Edited by T. Sheppard. Pp. 47. No. 146: Hull's Art Treasures. By T. Sheppard. Pp. 56+15 plates. No. 147: Catalogue to the Hull Printing Trades Exhibition, held at the Museum of Commerce and Transport, High Street, Hull, from March 17th to April 9th, 1927. Pp. 40+xxxvi. (Hull.)

Canada. Department of Mines: Mines Branch. Helium in Canada. By R. T. Elworthy. (No. 679.) Pp. iv+64+2 plates. (Ottawa: F. A. Acland.) 20 cents.

Aeronautical Research Committee: Reports and Memoranda. No. 1055 (Ae. 238): Tests on Handley Page Aerofoil A.1. and R.A.F. 31. Communicated by Messrs. Handley Page, Ltd. (A.3.a. Aerofoils General, 159, 160, 161.—T. 2213-14-15.) Pp. 32+11 plates. 1s. 3d. net. No. 1058 (Ae. 240): D. M. Smith's Method for the Determination of the Transverse Frequencies of Vibration of Uniform Beams. By T. W. K. Clarke and V. M. Falkner. (D.1. Special Technical Questions, 180.—T. 2295.) Pp. 9+2 plates. 9d. net. No. 1067 (Ae. 249): On the Contraction of the Slipstream of an Airscrew. By H. Glauert. (A.3.d. Airscrews, 90.—T. 2237.) Pp. 11. 6d. net. (London: H.M. Stationery Office.)

University Grants Committee. Returns from Universities and University Colleges in Receipt of Treasury Grant 1925-1926. Pp. 24. (London: H.M. Stationery Office.) 3s. net.

Pharmaceutical Society of Great Britain: Pharmacological Laboratories. First Annual Report, 1926. Pp. 7. (London.)

Journal of the Royal Statistical Society. Vol. 90, Part 2. Pp. x+225-432. (London.) 7s. 6d.

The University of Leeds: Department of Coal Gas and Fuel Industries (with Metallurgy). Report of the Lively Professor for the Sessions 1924-25 and 1925-26. Pp. 14. (Leeds.)

FOREIGN.

Proceedings of the Imperial Academy. Vol. 3, No. 2, February. Pp. iii-iv+45-114. (Uyeno Park, Tokyo.)

University of California Publications in American Archaeology and Ethnology. Vol. 23, No. 4: Arrow Release Distributions. By A. L. Kroeber. Pp. 288-296. (Berkeley, Calif.: University of California Press; London: Cambridge University Press.) 25 cents.

Columbia University. Bulletin of Information, Twenty-seventh Series, No. 19: Professional Courses in Ophthalmology; Announcement 1927-1928. Pp. 30+3 plates. (New York City.)

United States Department of Agriculture. Department Bulletin No. 1472: Chemotropic Tests with the Screw-Worm Fly. By D. C. Parman, F. C. Bishopp, E. W. Laake, F. C. Cook and R. C. Roark. Pp. 32. (Washington, D.C.: Government Printing Office.)

Department of the Interior: U.S. Geological Survey. Water-Supply Paper 550: Surface Water Supply of the United States, 1922. Part 10: The Great Basin. Pp. v+192+2 plates. 10 cents. Bulletin 790-B: The 'Palouse Soil' Problem, with an Account of Elephant Remains in Wind-Borne Soil on the Columbia Plateau of Washington. By Kirk Bryan. (Contributions to the Geography of the United States, 1926.) Pp. ii+21-45+plates 4-7. (Washington, D.C.: Government Printing Office.)

Proceedings of the United States National Museum. Vol. 71, Art. 1: Description of a new Species of Fresh-water Copepod of the Genus *Moraria* from Canada. By Arthur Willey. (No. 2673.) Pp. 12. Vol. 70, Art. 4: Miscellaneous Descriptions of new Parasitic Hymenoptera, with some Synonymical Notes. By A. B. Gahan. (No. 2676.) Pp. 39+1 plate. Vol. 71, Art. 6: A new Genus and Two new Species of South American Fresh-water Mussels. By William B. Marshall. (No. 2678.) Pp. 4+2 plates. (Washington, D.C.: Government Printing Office.)

CATALOGUES.

The West Indies: being a Catalogue of Books, Maps and Engravings relating to British and Foreign Possessions in the West India Islands. (No. 495.) Pp. 42. (London: Francis Edwards.)

Catalogue of Secondary and Higher Text-Books. Pp. iv+208. (London: G. Bell and Sons, Ltd.)

Errata List No. 1. Pp. 8. Circular 251A: Laboratory Coats, Aprons and Short Jackets. Pp. 2. Circular 253A: Standard Volumetric Glassware. Pp. 2. Circular 255: The "Alltest" Multi-Range Portable Moving Coil Instrument. Pp. 2. Circular 256: New Electrical Apparatus for the Determination of Molecular Weights by Rast's Camphor Method. Pp. 1. Circular 262A: Monax Laboratory Glassware. Pp. 4. "Schola" Beakers and Flasks. Pp. 3. (London: A. Gallenkamp and Co., Ltd.)

Illustrated Price List of Apparatus for Radiology (Abridged). 1927 edition. Pp. 64. (London: Newton and Wright, Ltd.)

Rare and Valuable Books. (No. 17.) Pp. 126. (Newcastle-on-Tyne: William H. Robinson.)

Diary of Societies.

SATURDAY, MAY 28.

INSTITUTION OF MUNICIPAL AND COUNTY ENGINEERS (South Wales District Meeting) (at Town Hall, Newport), at 9.30 a.m.

NORTH OF ENGLAND INSTITUTE OF MINING AND MECHANICAL ENGINEERS (Associates and Students Section) (at Neville Hall, Newcastle-upon-Tyne), at 8.—W. S. Armstrong: Variable Speed Gears and their Application for Colliery Purposes.—Paper open for further discussion: The Ventilation of a Pyrites Mine, with Special Reference to Fire-fighting, Safety and Rescue-work, R. White.

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MONDAY, MAY 30.

VICTORIA INSTITUTE (at Central Buildings, Westminster), at 4.30.—Rev. Prof. R. D. Wilson: The Radical Criticism of the Psalter.
SURVEYORS' INSTITUTION (Annual General Meeting), at 5.
ROYAL INSTITUTE OF BRITISH ARCHITECTS, at 8.—T. Hastings: Devonshire House Buildings.
ROYAL GEOGRAPHICAL SOCIETY (at Æolian Hall), at 8.30.—W. F. P. Burton: Central Katanga.

TUESDAY, MAY 31.

ROYAL SOCIETY OF ARTS (Dominion and Colonial Meeting), at 4.30.—Dr. T. Baldasano: Spanish Morocco.
ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN, at 7.—E. A. Bierman: (a) The Development of Chloro-Bromide Papers; (b) The Exposure of Colour-Screen Plates.

WEDNESDAY, JUNE 1.

ROYAL SOCIETY OF MEDICINE (Surgery Section), at 5.—Sir James Berry, G. Turner, and others: Discussion on The Treatment of Cleft Palate by Operation.
ROYAL MICROSCOPICAL SOCIETY, 7.30 to 10.—Annual Pond Life and General Microscopical Exhibition.
ENTOMOLOGICAL SOCIETY OF LONDON, at 8.—Dr. H. Scott: Narrative of an Entomological Expedition in Central Abyssinia.

THURSDAY, JUNE 2.

GENETICAL SOCIETY (Annual General Meeting) (at Linnean Society), at 3.—Dr. R. A. Fisher: Light and Dark Lines in Pied Mice.—C. Diver: The Problem of Natural Selection in Relation to Helix (Cepæa).—Prof. R. R. Gates and Miss M. L. Sheffield: On Meiotic Arrangements in *Oenothera* and their Bearing on Segregation.—W. C. F. Newton: Sex in *Silene Otites* Agg.
ROYAL SOCIETY, at 4.30.—Prof. S. Chapman and A. E. Ludlam: A Theoretical Discussion of certain Elastic Constants of Calcite and Crystalline Sodium Nitrate.—R. W. Fenning and H. T. Tizard: The Dissociation of Carbon Dioxide at High Temperatures.—L. H. Callendar: The Influence of Boundary Films on Corrosive Action.—To be read in title only.—N. R. Sen: On Fresnel's Convection Coefficient in General Relativity.—C. F. Elam: Tensile Tests on Alloy Crystals.—A. J. Bradley and J. Thewlis: The Crystal Structure of a Manganese.
CHEMICAL SOCIETY, at 8.—U. R. Evans: The Passivity of Metals. Part I. The Isolation of the Protective Film.—Prof. T. M. Lowry and R. R. Goldstein: Studies of Valency. Part VIII. The Molecular Structure of Vernon's Dimethyltellurium Salts.—E. Roberts and E. E. Turner: The Factors Controlling the Formation of Some Derivatives of Quinoline, and a New Aspect on the Problem of Substitution in the Quinoline Series.

INSTITUTION OF MUNICIPAL AND COUNTY ENGINEERS (Scottish Meeting) (at Dunfermline).

FRIDAY, JUNE 3.

PHYSICAL SOCIETY OF LONDON (at Imperial College of Science), at 5.—Dr. E. H. Rayner: The Forthcoming Eclipse of the Sun (Lecture).
ROYAL INSTITUTION OF GREAT BRITAIN, at 9.—Dr. G. M. Trevelyan: Carlyle as an Historian.
ROYAL SOCIETY OF MEDICINE (Social Evening), at 9.30.—Dr. G. W. C. Kaye: X-rays, and some of their Uses.
INSTITUTION OF MUNICIPAL AND COUNTY ENGINEERS (Scottish Meeting) (at Dunfermline).

SATURDAY, JUNE 4.

INSTITUTION OF MUNICIPAL AND COUNTY ENGINEERS (Scottish Meeting) (at Dunfermline).
INSTITUTION OF MUNICIPAL AND COUNTY ENGINEERS (South-Eastern District Meeting) (at Maidstone).

PUBLIC LECTURES.

SUNDAY, MAY 29.

GUILDHOUSE (Eccleston Square, S.W.), at 3.30.—Prof. J. Garstang: Recent Discoveries in Palestine.

TUESDAY, MAY 31.

CHELSEA PHYSIC GARDEN (Swan Walk, Chelsea Embankment), at 5.—B. Gerritzen: The Growing, Marketing, and Exporting of Fruit and Vegetables in the Netherlands (Chadwick Lecture).

THURSDAY, JUNE 2.

INSTITUTE OF PATHOLOGY AND RESEARCH, ST. MARY'S HOSPITAL, at 5.—Prof. C. A. Lovatt Evans: The Alkalinity of the Blood.

CONVENTIONS.

JUNE 6 TO 9.

CONVENTION OF CANADIAN CHEMISTS (at Quebec).

JUNE 6 TO 11.

PHOTOGRAPHIC CONVENTION OF THE UNITED KINGDOM (at Warwick).
Monday, June 6.—Afternoon.—Welcome by the Mayor of Warwick. Installation of President. Presidential Address. Annual General Meeting.
Tuesday, June 7.—Evening.—H. Baker: Lecture.
Wednesday, June 8.
Thursday, June 9.—Evening.—A. S. Newman: Lecture.
Friday, June 10.—Evening.—A. Keighley: Lecture.
Saturday, June 11.