

Official Publications Received.

BRITISH.

- Report on the Health of the Army for the Year 1926. Vol. 62. Pp. iv+136. (London: H.M. Stationery Office.) 3s. 6d. net.
- Students from other Countries in the Universities and University Colleges of Great Britain and Ireland, Session 1927-28. Pp. 33. (London: Universities Bureau of the British Empire.) 1s.
- The Carnegie Trust for the Universities of Scotland. Twenty-sixth Annual Report (for the Year 1926-27) submitted by the Executive Committee to the Trustees on 8th February 1928. Pp. iv+82. (Edinburgh.)
- Bird Sanctuaries in Royal Parks in Scotland. Pp. 10. (Edinburgh and London: H. M. Stationery Office.) 6d. net.
- Proceedings of the Royal Society of Edinburgh, Session 1927-1928. Vol. 48, Part 1, No. 1: The Action of "Active" Nitrogen on Iodine Vapour. By L. H. Basson and R. W. Armour. Pp. 9. 9d. Vol. 48, Part 1, No. 2: Contribution to the Studies of the Origin of European Sheep. By B. Kaczkowski. Pp. 10-14. 6d. (Edinburgh: Robert Grant and Son.)
- The Journal of the Institution of Electrical Engineers. Edited by P. F. Rowell. Vol. 66, No. 374, February. Pp. 165-240+xxxii. (London: E. and F. N. Spon, Ltd.) 10s. 6d.
- The Quarterly Journal of the Geological Society. Vol. 83, Part 5, No. 332. Pp. 653-815+xx. (London: Longmans, Green and Co., Ltd.) 7s. 6d.
- New Zealand Institute. Reference List of the Scientific Periodicals in the Libraries of New Zealand. Compiled by Gilbert Archey. Pp. 46. (Auckland, N.Z.) 5s.
- 1926 (Second Session), Legislative Assembly: New South Wales. Report (together with Appendices) of the Minister of Public Instruction for the Year 1925. Pp. 34. (Sydney, N.S.W.: Alfred James Kent.) 2s. 3d.
- Hull Museum Publications. No. 144: Index to Hull Museum Publications, Nos. 96-143. Edited by T. Sheppard. Pp. 24. No. 150: The Mammals, Birds and Insects of East Yorkshire. (A Series of British Broadcasting Talks to School Children.) By T. Sheppard. Pp. 24. No. 151: Record of Additions. Edited by T. Sheppard. Pp. 31. No. 152: Exhibition of Contemporary British Sculpture (The Museums Association Circulating Collection), Wilberforce Museum, 11th February to 10th March 1928. Pp. 8. (Hull.)

FOREIGN.

- Proceedings of the United States National Museum. Vol. 72, Art. 11: Rossite and Metarossite; two new Vanadates from Colorado. By William F. Foshag and Frank L. Hess. (No. 2707.) Pp. 12. Vol. 72, Art. 22: On newly discovered Meteoric Irons from the Wallapai (Hualapai) Indian Reservation, Arizona. By George P. Merrill. (No. 2718.) Pp. 4+3 plates. (Washington, D.C.: Government Printing Office.)
- Occasional Papers of the Bingham Oceanographic Collection. No. 1: A Contribution to the Theoretical Analysis of the Schooling Behaviour of Fishes. By Albert Eide Parr. Pp. 32. (New York City: Bingham Oceanographic Collection.)
- Bulletin of the Bingham Oceanographic Collection. Vol. 1, Art. 2: Scientific Results of the First Oceanographic Expedition of the *Pawnee*, 1925. Crustacea from Tropical East American Seas. By Lee Boone. Pp. 147. Vol. 3, Art. 2: Scientific Results of the Third Oceanographic Expedition of the *Pawnee*, 1927. The Stomatod Fishes of the Suborder Gymnophotodermi (*Astronesthididae*, *Melanostomiidae*, *Idiacanthidae*), with a complete Review of the Species. By Albert Eide Parr. Pp. 123. (New York City.)
- Memoirs of the Bernice P. Bishop Museum. Vol. 9, No. 3: Jaws and Teeth of Ancient Hawaiians. By H. G. Chappel. Pp. 20+4 plates. Vol. 9, No. 4: Observations on Hawaiian Sponatolgy. By Louis R. Sullivan. Prepared for publication by Clark Wissler. (Bayard Dominick Expedition, Publication No. 13.) Pp. 76+5 plates. Bulletin 42: Hand-crafts of the Society Islands. By Willowdean Chatterton Handy. Pp. 118+16 plates. Bulletin 43: Artemisia, Scaevola, Santalum and Vaccinium of Hawaii. By C. Skottsberg. Pp. 89+8 plates. Bulletin 44: Vegetation of Pacific Equatorial Islands. By Erling Christopherson. (Whippoorwill Expedition, Publication No. 2.) Pp. 79+7 plates. (Honolulu, Hawaii.)
- National Research Council. Organization and Members, 1927-1928. Pp. 64. (Washington, D.C.: National Academy of Sciences.)
- National Research Council of Japan. Japanese Journal of Mathematics: Transactions and Abstracts. Vol. 4, No. 3. Pp. 103-213. Japanese Journal of Botany: Transactions and Abstracts. Vol. 3, No. 4. Pp. vi+267-349+77-122. (Tokyo.)
- Journal of the Faculty of Science, Imperial University of Tokyo. Section 1: Mathematics, Astronomy, Physics, Chemistry. Vol. 1, Part 10. Pp. 371-416. 1.50 yen. Section 4: Zoology. Vol. 1, Part 4. Pp. 243-275. 0.80 yen. (Tokyo.)
- Journal of the College of Agriculture, Hokkaido Imperial University, Sapporo, Japan. Vol. 18, Part 5: Untersuchungen über die natürliche Waldverjüngung bei Larix Dahurica Turcz. Von Shuzo Goto. Pp. 207-306+Tafeln 16-18. (Tokyo: Maruzen Co., Ltd.)
- Library of Congress. Report of the Librarian of Congress for the Fiscal Year ending June 30, 1927. Pp. vi+302+15 plates. (Washington, D.C.: Government Printing Office.)
- First Pan Pacific Conference on Education, Rehabilitation, Reclamation and Recreation, called by the President of the United States of America in conformity with a Joint Resolution of the Senate and House of Representatives of the United States and held under the Auspices of the Department of the Interior at Honolulu, Hawaii, April 11 to 16, 1927. Report of the Proceedings. Pp. 493. (Washington, D.C.: Government Printing Office.) 1 dollar.

CATALOGUE.

Sands, Clays and Economic Minerals for all Industrial Purposes. Fourth edition. Pp. 32. (Chatteris: Algernon Lewin Curtis.)

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Diary of Societies.

SATURDAY, MARCH 3.

- ROYAL INSTITUTION OF GREAT BRITAIN, at 3.—C. Dodgson: The Life and Work of Albrecht Dürer (II).
- BRITISH PSYCHOLOGICAL SOCIETY (at Royal Anthropological Institute), at 3.—Dr. Saidullah: A Note on the Theory of "Shape" in the Light of some Recent Experimental Work.—E. R. Clarke: The Evaluation of the Heterogeneity of the Binet Tests and the Resulting Fallacy of the I.Q.
- INSTITUTE OF BRITISH FOUNDRYMEN (Lancashire Branch) (at College of Technology, Manchester), at 4.—Prof. C. H. Desch: Crystallisation in Non-ferrous Castings (Lecture).
- HULL ASSOCIATION OF ENGINEERS (at Technical College, Hull), at 7.15.—A. W. Purchas: Theory and Practice in the Engine and Boiler Rooms.

MONDAY, MARCH 5.

- ROYAL SOCIETY OF EDINBURGH, at 4.30.—Prof. H. G. Cannon: On the Feeding Mechanism of the Shrimp, *Chirocephalus diaphanus*.—Dr. C. H. O'Donoghue and Miss Eileen (Bulman) Abbott: The Blood Vascular System of the Spiny Dogfish, *Squalus acanthias*, Linné, and *Squalus sucklii*, Gill.—Dr. S. Williams: Sporangial Variation in the Osmundaceae.—Dr. C. W. Wardlaw: Size in Relation to Internal Morphology. No. 3, The Vascular System of Roots.—J. Caldwell: Translocation.
- ROYAL INSTITUTION OF GREAT BRITAIN, at 5.—General Meeting.—At 5.15.—Prof. E. Schrödinger: Wave Mechanics (I).
- INSTITUTE OF AUTOMOBILE ENGINEERS (Bristol Centre) (at Merchant Venturers' Technical College, Bristol), at 6.45.—G. L. Ensor: Notes on the Single Sleeve-Valve Principle.
- INSTITUTE OF METALS (Sheffield Local Section) (jointly with Kindred Societies) (in Non-Ferrous Section, Applied Science Department, Sheffield University), at 7.30.—Dr. S. Z. de Ferranti: Electricity in the Service of Man.
- ROYAL INSTITUTION OF BRITISH ARCHITECTS, at 8.—G. H. Jack: Ancient Bridges.
- SOCIETY OF CHEMICAL INDUSTRY (London Section) (at Chemical Society), at 8.—Prof. G. T. Morgan, R. Taylor, and T. J. Hedley: Syntheses under High Pressure.
- SURVEYORS' INSTITUTION (at Institution of Civil Engineers), at 8.—P. J. Waldram: The Estimation of Damage in Ancient Lights Disputes.
- ROYAL GEOGRAPHICAL SOCIETY (at Eolian Hall), at 8.30.—D. R. G. Cameron: Across the Sahara from Kano to Warghla.
- INSTITUTE OF THE RUBBER INDUSTRY (London and District Section) (at Engineers' Club, Coventry Street, W.1).—L. J. Lambourn: Methods used for Determining Abrasion with Particular Reference to the Relation between Road Performance and Laboratory Results.

TUESDAY, MARCH 6.

- ELECTRICAL ASSOCIATION FOR WOMEN (at Oxford Circus House, 245 Oxford Street, W.1), at 3.—M. A. Hussey: The Home Electric Laundry.
- ROYAL COLLEGE OF PHYSICIANS OF LONDON, at 5.—Dr. F. A. E. Crew: Individual, Familial, and Racial Differences in respect of Immunities and Disease Resistance (Milroy Lectures) (II).
- ROYAL INSTITUTION OF GREAT BRITAIN, at 5.15.—Prof. J. S. Huxley: The Behaviour of Animals (III).
- ZOOLOGICAL SOCIETY OF LONDON, at 5.30.—Dr. H. Harold Scott: (a) Report on the Deaths occurring in the Society's Gardens during the year 1927; (b) Carcinoma of the Tonsil in a Common Wolf (*Canis lupus*).—Major M. Connolly: On a Collection of Land and Freshwater Mollusca from Southern Abyssinia.—Enid K. Sikes: The External Morphology and Life-history of the Coccid Bug *Othezia urticae* Linn.
- INSTITUTE OF CIVIL ENGINEERS, at 6.
- LONDON NATURAL HISTORY SOCIETY (at Winchester House, E.C.), at 6.30.—J. C. Robbins: Hibernation of Insects.—R. W. Hale: Beaks and Bills of British Birds.
- INSTITUTE OF ELECTRICAL ENGINEERS (North Midland Centre) (at Hotel Metropole, Leeds), at 7.—D. S. Munro: Modern Electric Wiring, particularly as applied to Small Houses.
- INSTITUTE OF ELECTRICAL ENGINEERS (North-Western Centre) (at Engineers' Club, Manchester), at 7.—E. C. McKinnon: Storage Batteries in relation to Modern Supply of Electric Lighting and Power.
- ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN (Pictorial Group), at 7.
- INSTITUTE OF AUTOMOBILE ENGINEERS (Coventry Graduates' Meeting) (at Broadgate Café, Coventry), at 7.15.—A. E. Collins: The Problem of Selling Cars.
- INSTITUTE OF METALS (North-East Coast Local Section) (at Armstrong College, Newcastle-upon-Tyne), at 7.30.—Annual General Meeting and Exhibition of Metallurgical Preparations and Products.
- NORTH-EAST COAST INSTITUTION OF ENGINEERS AND SHIPBUILDERS (Middlesbrough Branch) (at Cleveland Scientific and Technical Institution, Middlesbrough), at 7.30.—C. H. Cooke: Lubrication.
- INSTITUTE OF AUTOMOBILE ENGINEERS (at Royal Society of Arts), at 7.45.—Dr. F. W. Lauchester: Automobile Steering Gear—Problems and Mechanism.
- ROYAL SOCIETY OF MEDICINE (Orthopaedics Section), at 8.30.—H. Platt and others: Discussion on The Treatment of Acute Osteomyelitis.
- INSTITUTE OF THE RUBBER INDUSTRY (Liverpool Section) (in Common Hall, Dale Street, Liverpool).—R. M. Fitzpatrick: Rubber Footwear Manufacture.

WEDNESDAY, MARCH 7.

- INSTITUTE OF METALS (Annual General Meeting) (at Institution of Mechanical Engineers), at 10 A.M.—Presidential Address.—S. Beckinsale and H. Waterhouse: The Deterioration of Lead Cable Sheathing by Cracking, and its Prevention.—Dr. M. Haas: The Dilatometric Study of Light Metals.—Dr. Ezer Griffiths and F. H. Schofield: The