

## Official Publications Received.

Department of Commerce: U.S. Coast and Geodetic Survey. Serial No. 285: Tides and Currents in New York Harbor. By H. A. Marnier. (Special Publication No. 111.) Pp. v+174. (Washington: Government Printing Office.) 30 cents.

The Carnegie Foundation for the Advancement of Teaching. Nineteenth Annual Report of the President and of the Treasurer. Pp. vii+236. (New York.)

Ministry of Agriculture, Egypt: Technical and Scientific Service. Bulletin No. 47: Cotton Growing in relation to Climate in Egypt and the Sudan. By C. B. Williams. Pp. ii+31+9 plates. Bulletin No. 56: The Buff-Backed Egret (*Ardea Ibis*, L., Arabic *Abu Qerdan*) as a Factor in Egyptian Agriculture. By T. W. Kirkpatrick. Pp. ii+28. (Cairo: Government Publications Office.) 5 P.T. each.

Board of Education. Syllabus of the Science Scholarships Examination, 1926. Pp. 24. (London: H.M. Stationery Office.) 6d. net.

Sixth Annual Report of the Governors of the Imperial Mineral Resources Bureau. Pp. 25. (London.)

Stonyhurst College Observatory. Results of Geophysical and Solar Observations, 1924; with Report and Notes of the Director, Rev. A. L. Cortie. Pp. xix+44. (Blackburn.)

The University of Chicago: Publications of the Yerkes Observatory. Vol. 3, Part 4: The Forms and Motions of the Solar Prominences. By Edison Pettit. Pp. v+205-240+plates 27-37. (Chicago: University of Chicago Press.)

University Grants Committee. Report, including Returns from Universities and University Colleges in Receipt of Treasury Grant, Academic Year 1923-1924. Pp. 44. (London: H.M. Stationery Office.) 3s. 6d. net.

The Journal of the Royal Anthropological Institute of Great Britain and Ireland. Vol. 54, 1924, July to December. Pp. 211-370+15+x. (London: Royal Anthropological Institute.) 15s. net.

United States Department of Agriculture. Department Bulletin No. 1281: Relative Utilization of Energy in Milk Production and Body Increase of Dairy Cows. By J. August Fries, Winifred Waite Braman and Donald C. Cochrane. Pp. 36. (Washington: Government Printing Office.) 10 cents.

Department of the Interior: Bureau of Education. Bulletin, 1924, No. 31: Statistics of State School Systems, 1921-22. Prepared under the Direction of Frank M. Phillips. Pp. 42. 5 cents. Bulletin, 1924, No. 38: Statistical Survey of Education, 1921-1922. By Frank M. Phillips. Pp. 30. 5 cents. Bulletin, 1924, No. 35: The Trend of College Entrance Requirements, 1913-1922. By Harry Charles McKown. Pp. iv+172. 20 cents. (Washington: Government Printing Office.)

Records of the Albany Museum. Vol. 3, Part 4, March 6th. Pp. 257-368+plates 9-19. (Grahamstown.) 10s.

Ministry of Public Works, Egypt: Physical Department Paper No. 17: The Upper Currents of the Atmosphere in Egypt and the Sudan. By L. J. Sutton. Pp. iv+136+13 plates. (Cairo: Government Publications Office.) 10 P.T.

Reports of the Council and Auditors of the Zoological Society of London for the Year 1924, prepared for the Annual General Meeting to be held at the Society's Offices in Regent's Park on Wednesday, April 29th, 1925. Pp. 79. (London.)

Ministry of Agriculture, Egypt: Technical and Scientific Service. Bulletin No. 54: Notes on the Fungus *Rhizopus Nigricans* Ehr., in Relation to Insect Pests of the Cotton Plant in Egypt. By T. W. Kirkpatrick. Pp. ii+28. (Cairo: Government Publications Office.) 5 P.T.

British Museum (Natural History). British Birds: Summer Visitors. Series No. 2, Set C13. 5 picture postcards. 1s. Series No. 3, Set C14. 5 picture postcards. 1s. British Flowering Plants. Series No. 5, Set F8. 5 picture postcards. 1s. Series No. 6, Set F9. 5 picture postcards. 1s. Crustacea. Series No. 1: Crabs and Lobsters. Set L3. 5 picture postcards. 6d. Colour Changes in Flatfishes. Set M2. 5 picture postcards. 6d. (London: British Museum (Natural History).)

## Diary of Societies.

SATURDAY, APRIL 25.

ROYAL INSTITUTION OF GREAT BRITAIN, at 8.—W. P. Pycraft: Use and Disuse and their Effect on the Bodily Structure of Animals (I.).

MONDAY, APRIL 27.

ROYAL IRISH ACADEMY, at 4.15.

INSTITUTE OF ACTUARIES, at 5.—W. Palin Elderton and A. H. Rowell: Some Approximations from Valuation Statistics.

INSTITUTION OF MECHANICAL ENGINEERS (Graduates' Section, London), at 7.—Exhibition of Industrial Kinematograph Films.

INSTITUTION OF ELECTRICAL ENGINEERS (North-Eastern Centre) at Armstrong College, Newcastle-on-Tyne, at 7.15.—Annual General Meeting.

INSTITUTION OF AUTOMOBILE ENGINEERS (Scottish Centre) (at Royal Technical College, Glasgow), at 7.30.—M. Platt: The Accessibility of the Pleasure Car Chassis.

ROYAL SOCIETY OF ARTS, at 8.—Prof. J. S. S. Brame: Motor Fuels (Howard Lectures) (II.).

ROYAL SOCIETY OF MEDICINE (Odontology Section), at 8.—Clinical Evening.

FARADAY SOCIETY (at Chemical Society), at 8.—A. E. Ollard: Adhesion of Deposited Nickel to the Base Metal.—H. Sutton: The Brittleness of Zinc Plated Steel.—W. A. Naish: The Partition of Silver between Lead and Zinc.—H. J. Poole: The Elasticity of Gelatin Jellies and its Bearing on their Physical Structure and Chemical Equilibria.—Dr. E. K. Rideal: Note on the Reduction Potential of Dicyanquinhydrone.—D. B. Macleod: (a) Some Physical Properties of Water; (b) The Relation between the Viscosities of Liquids and their Molecular Weight.

ROYAL GEOGRAPHICAL SOCIETY (at Aeolian Hall), at 8.30.—C. P. Skrine: The Alps of Kungur.

TUESDAY, APRIL 28.

ROYAL DUBLIN SOCIETY (at Royal College of Surgeons, Dublin), at 4.15.—Dr. H. H. Poole: The Use of Photo-Electric Cells in Submarine Photometry.

ROYAL INSTITUTION OF GREAT BRITAIN, at 5.15.—Prof. J. Barcroft: Some Effects of Climate on the Circulation (II.).

ROYAL SOCIETY OF MEDICINE (Medicine Section), at 5.30.—Prof. E. Leschke: Metabolism and the Sympathetic System.

INSTITUTE OF MARINE ENGINEERS, at 6.30.—D. M. Proctor: Steam Accumulation.

INSTITUTION OF AUTOMOBILE ENGINEERS (at Royal Society of Arts), at 7.—M. Platt: The Accessibility of the Pleasure Car Chassis.

INSTITUTION OF ELECTRICAL ENGINEERS (North Midland Centre) (at Hotel Metropole, Leeds), at 7.—Annual General Meeting.

ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN (Kinematograph Group), at 7.—C. Friese-Greene: Latest Improvements in the Friese-Greene Colour Process.

INSTITUTE OF METALS (North-East Coast Local Section) (at Armstrong College, Newcastle-on-Tyne), at 7.30.—Annual General Meeting.

WEDNESDAY, APRIL 29.

INSTITUTION OF ELECTRICAL ENGINEERS (South Midland Centre) (at Birmingham University), at 7.

ROYAL SOCIETY OF ARTS, at 8.—Dr. A. Balfour: The Trend of Modern Hygiene.

THURSDAY, APRIL 30.

ROYAL INSTITUTION OF GREAT BRITAIN, at 5.15.—F. Kingdon Ward: Plant Hunting on the Roof of the World.

CHILD-STUDY SOCIETY (at Royal Sanitary Institute) (Annual Meeting), at 5.30.—At 6.—Dr. C. W. Kimmins: Progress of Child Study in America.

INSTITUTION OF CIVIL ENGINEERS (Birmingham and District Association) (at Chamber of Commerce, Birmingham), at 6.

FRIDAY, MAY 1.

ROYAL INSTITUTION OF GREAT BRITAIN, at 5.—Annual Meeting.

SOCIETY OF CHEMICAL INDUSTRY (Manchester Section) (at 16 St. Mary's Parsonage, Manchester), at 7.—Dr. S. S. Zilva: Recent Progress in Vitamin Research.

ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN, at 7.—Pictorial Group.

JUNIOR INSTITUTION OF ENGINEERS, at 7.30.—A. A. Fairfax: Pumps and Pumping Problems.

GEOLOGISTS' ASSOCIATION (at University College), at 7.30.

PHILOLOGICAL SOCIETY (Anniversary Meeting) (at University College), at 8.—Presidential Address.

ROYAL SOCIETY OF MEDICINE (Anaesthetics Section), at 8.30.—Annual General Meeting.

ROYAL INSTITUTION OF GREAT BRITAIN, at 9.—Prof. W. L. Bragg: Crystalline Structure of Inorganic Salts.

SATURDAY, MAY 2.

ROYAL SOCIETY OF MEDICINE (Otolology Section), at 10.30.—Annual General Meeting.

ROYAL INSTITUTION OF GREAT BRITAIN, at 8.—W. P. Pycraft: Use and Disuse and their Effect on the Bodily Structure of Animals (II.).

## FREE PUBLIC LECTURES.

MONDAY, APRIL 27.

KING'S COLLEGE, at 5.30.—Prof. R. Chambers: Recent Advances in the Study of Living Cells. (Succeeding Lectures on April 28 and 29.)—Prof. R. Dyboski: History and Geography of the New Polish State.

WEDNESDAY, APRIL 29.

INSTITUTE OF PHYSICS (at Royal Society), at 5.30.—Dr. W. Makower: Physics in the Rubber Industry, with special reference to Tyre Manufacture.

THURSDAY, APRIL 30.

KING'S COLLEGE, at 6.30.—Dr. O. Vočadlo: The Czechoslovak Republic To-day: Geography of the State.

FRIDAY, MAY 1.

UNIVERSITY COLLEGE, at 11.—Prof. A. V. Hill: The Physiology of Muscle and Nerve. (Succeeding Lectures on May 8, 15, 22.)

KING'S COLLEGE, at 5.—Dr. A. W. Rogers: Physical Features of South Africa in relation to its Geological Structure and History. (Succeeding Lectures on May 8 and 15.)—At 5.30.—Prof. F. J. Cole: The History of Protozoology. (Succeeding Lecture on May 8.)