# Official Publications Received.

## BRITISH.

Journal of the Indian Institute of Science. Vol. 13A, Part 12: i. The Spike-Disease of Dodonaea viscosa, by B. N. Sastri and N. Narayana; ii. Studies in the Proteins of Indian Foodstuffs, Part 3: The Globulins of Bengal Gram (*Ucier aristinum*, Linn.) and Horse Gram (*Dolichos biforus*), by Nuggihalii Narayana. Pp. 147-158. (Bangalore.) 12 annas. Records of the Geological Survey of India. Vol. 63, Part 4. Pp. 379-450+1i+plates 10-19. (Calcutta: Government of India] Central Publication Branch.) 2.12 rupees; 5s. International Geological Congress. Compter endu of the XV Session, South Africa, 1929. Vol. 1. Pp. xiv+314+42 plates. Vol. 2: Scientific Communications. Pp. x+688+97 plates. (Pretoria: Wallachs, Ltd.) 40s.

40s. Board of Education. Report of the Consultative Committee on the Primary School. Pp. xxix+290. (London: H.M. Stationery Office.)

2s. 6d. net.

2s. 6d. net. The Carnegie Trust for the Universities of Scotland. Twenty-ninth Annual Report (for the Year 1929-30) submitted by the Executive Committee to the Trustees on 11th February 1931. Pp. iv+94. (Edinburgh.) Royal Society of Arts. Report on the Competition of Industrial Designs, 1930. Pp. 52. (London.) Ollsgoil Na h-Eireann (The National University of Ireland). Calendar for the Year 1930. Pp. viii+298+511+222. (Dublin.) The First Annual of the Pure Rivers Society, 1930. Pp. 60. (London.) Is.

1s.

An Index to Acts of Parliament and Statutory Rules and Orders affecting the Chemical Industry. Published for the Association of British Chemical Manufacturers. Pp. 24. (Cambridge: W. Heffer and Sons, Ltd.) 2s. net. FOREIGN

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 United States Department of the Interior: Geological Survey. Pro-fessional Paper 100: The Coal Fields of the United States. General Introduction, by Marius R. Campbell; Ohio, by J. A. Bownocker. Pp. (iv+101+9 plates. Professional Paper 160: Geological Sittory of the Yosemite Valley. By François E. Matthes. Pp. vi+187+52 plates. 1.10 dollars. (Washington, D.C.: Government Printing Office.)

 United States Department of the Interior: Geological Survey. Water-Supply Paper 623: Surface Water Supply of the United States, 1926. Part 3: Ohio River Basin. Pp. vi+433. 50 cents. Water-Supply Paper 628: Surface Water Supply of the United States, 1927. Part 6: Missouri River Basin. Pp. vi+216. 20 cents. Water-Supply Paper 646: Surface Water Supply of the United States, 1927. Part 7: Lower Mississippi River Basin. Pp. vi+198. 20 cents. Water-Supply Paper 645: Surface Water Supply of the United States, 1927. Part 7: Lower Mississippi River Basins. Pp. vi+117. 20 cents. Water-Supply Paper 645: Surface Water Supply of He United States, 1927. Part 7: Lower Mississippi River Basins. Pp. vi+117. 20 cents. Water-Supply Paper 645: Surface Water Supply of Hawaii, July 1, 1926, to June 80, 1927. Pp. vi-151. 25 cents. (Washington, D.C.: Government Printing Office.)

 United States Department of the Interior. Fifty-first Annual Report of the Director of the Geological Survey to the Secretary of the Interior, 1930. Pp. ii+91+1 plate. (Washington, D.C.: Government Printing Office.)

 Differention
 States National Museum, Report on the Progress and Condition of the United States National Museum of the Director of the Geological Survey to the Secretary of the Interior, 1930. Pp. ii+91+1 plate. (Washington, D.C.: Government Printing Office.)

#### CATALOGUE.

Catalogue of Rare Books. (No. 32.) Pp. 71. (London: William H. Robinson, Ltd.)

## Diary of Societies.

## FRIDAY, MARCH 20.

ASSOCIATION OF ECONOMIC BIOLOGISTS (in Botany Lecture Room, Imperial Associations of Economic BioLogists (in Bitany Lecture Room, Imperial College of Science and Technology), at 2.30. - Dr. A. C. Thaysen: Retrospects and Prospects of the Economic Application of Micro-biology.--H. J. Bunker; A General Review of the Microbiology of Cellulose and its Associated Compounds. Royal Scotery of MEDICINE (Balneology and Climatology Section), at 5.--Dr. W. Edgecombe and others: Discussion on Osteoarthritis. LONDON SOCHETY (at Royal Society of Arts), at 5.--Lord Moynihan: Ancient Methods of Surgery.

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- PHYSICAL SOCIETY (at Imperial College of Science) (Annual General Meet-ing), at 5.—Presentation of Duddell Medal, 1930, to Sir J. Ambrose Fleming.
- Fleming. Royal SANTARY INSTITUTE (at Technical College, Lincoln), at 5.—L. O. Need and others: Discussion on Houseboats on Inland Waterways.—S. C. Baggott and others: Discussion on Refuse Collection and Disposal. Royal Collect or SURGEONS of ENGLAND, at 5.—Sir Arthur Keith: Demonstration of the Anatomy and Nerve Supply of the Diaphragm. INSTITUTION of MECHANICAL ENGINEERS, at 6.—R. S. Allen and W. E. W. Millington: Modern Methods of raising Water from Underground Sources.
- Source
- NORTH-EAST COAST INSTITUTION OF ENGINEERS AND SHIPBUILDERS (at Mining Institute, Newcastle-upon-Tyne), at 6.-T. Millican: Corrosion with Reference to Boilers.
- Mining Institute, Newcastle-upon-Tyne), at 6.-T. Millican: Corrosion with Reference to Boilers.
  INSTITUTION OF ELECTRICAL ENGINEERS (Meter and Instrument Section) (Informal Meeting), at 6.30.-W. Lawson and others: Discussion on Should the Bottom Bearings of Meters be Oiled?-W. Holmes and others: Discussion on Are Cobalt Steel Magnets Desirable for Use as Permanent Magnets for Instruments?-LL.CO. K. Edgeunbe and F. Hope-Jones: Discussion on Are Synchronous Motors or Clocks More Suitable for Time Service?-J. W. Record and W. Phillips: Discussion on Are Long Scales Preferable to Short in Indicating Instruments?
  SOCIETY OF DYERS AND COLOURISTS (London Section) (at Dyers' Hall, E.C.), at 6.45.-Capt. Whiteman: Spray Dyeing.
  INSTITUTE OF CHEMISTRY (Manchester), at 7.-Prof. R. M. Caven: Lecture. (INSTITUTION OF MECHANICAL ENGINEERS (jointly with Institution of Automobile Engineers) (at Merchant Venturers' Technical College, Breisel), at 7.-Drof. R. Spreimens.
  SOCIETY OF OREMIAL INDUSTRY (Newcastle Section) (at Armstrong College, Newcastle-upon-Tyne), at 7.30.-H. W. Howes: Fyrex Glasses; their Properties and Uses.
  SUNDER INSTITUTION OF ENGINEERS, at 7.30.-W. S. Roberts: Some Token Systems of Railway Signalling.

- Systems of Railway Signalling. ROYAL SOCIETY OF MEDICINE (Electro-Therapeutics Section), at 8.30.-Dr. Chalmers Watson: Radiation in Relation to Human and Animal
- Dr. Onalmers watcon, Association, at 9.—Prof. E. N. da C. Andrade : Royal Institution of GREAT BRITAIN, at 9.—Prof. E. N. da C. Andrade : Sound, Sand, and Smoke : New Light on Old Problems. GEOLOGISTS' ASSOCIATION (North-East Lancashire Group) (at Technical College, Blackburn).—J. Ranson : The Structure of the Alps (Lecture).

## SATURDAY, MARCH 21.

- SATURDAY, MARCH 21. BRITISH MYCOLOGICAL SOCIETY (in Botanical Department, University College), at 11 A.M.-Miss D. Ashworth : Development of Spores in Choanophoracee..-Miss M. Brett: Reversible Saltation in *Stemphylium*. --P. H. Gregory : The *Fusarium* Bulb-rot of *Narcissus.*--W. M. Ware : Mushroom Growing: its Scientific and Practical Aspects. INSTITUTION OF MUNICIPAL AND COUNTY ENGINEERS (Yorkshire and North Western Districts) (at College of Technology, Manchester), at 2.30.--Dorman, Long and Co., Ltd. : The Building of the New Tyne Bridge, The Building of Imperial Chemical House, and The Sydney Harbour Bridge. Mathematical Association (at Bedford College), at 3.-S. Inman: Contracted Methods in Arithmetic. ROYAL INSTITUTION OF GREAT BRITAIN, at 3.-Lord Rutherford : Recent Researches on the Alpha-Rays (3).

- Researches on the Alpha-Rays (3). RURAL RECONSTRUCTION ASSOCIATION (at 26 Bedford Square), at 3.-R. Borlase Matthews: The Importance of Electrical Development to the Countryside.--M. Fordham: Marketing and Employment.

#### MONDAY, MARCH 23.

- ROYAL COLLEGE OF SURGEONS OF ENGLAND, at 5.-R. T. Payne: Demon-stration on Pathological Specimens Relating to Diseases of the Gall-Bladder and Extra-hepatic Biliary Passages. INSTITUTION OF MECHANICAL ENGINEERS (Annual Meeting), at 6.45.-
- Short Papers. INSTITUTION OF ELECTRICAL ENGINEERS (North-Eastern Centre) (at Arm-
- INSTITUTION OF ELECTRICAL ENGINEERS (North-Eastern Centre) (at Arm-strong College, Newcastle-upon-Tyne), at 7. INSTITUTION OF ELECTRICAL ENGINEERS (South Midland Centre) (at Birmingham University), at 7.-J. W. Rissik and H. Rissik : Heavy-Dutk Rectifiers and their Application to Traction Substations. INSTITUTE OF FUEL (at Institution of Civil Engineers), at 7.30.-R. A. BURTOWS : Self-help in the Coal Industry. BRITISH KINEMATOREAPH SOCIETY (at Film House, Wardour Street), at 7.45.-L. ROWSON: Some Aspects of Camera Work in Hollywood. ROYAL SOCIETY OF ARTS, at S.-Capt. A. G. D. West: The Recording and Reproducing of Sound (Cantor Lectures) (3). ROYAL SOCIETY OF MEDICINE (Odontology Section), at 8.-Clinical Meeting.

- ROYAL SOCIETY OF MEDICINE (Unontology Section), at c.—Onincar Meeting.
  ROYAL GEOGRAPHICAL SOCIETY, at S.30.—Dr. C. Christy: Liberia in 1930.
  SOCIETY OF CHEMICAL INDUSTRY (Yorkshire Section) (Annual General Meeting) (at Leeds).—H. J. Pooley and others: Discussion on the Activities of the Society.

#### TUESDAY, MARCH 24.

- ROYAL SOCIETY OF ARTS, at 4.80.—Dominions and Colonies Meeting. ROYAL SOCIETY OF ARTS, at 4.80.—Dominions and Colonies Meeting. ROYAL SOCIETY OF MEDICINE (Medicine Section), at 5.—Dr. Janet Vaughan, Dr. S. C. Dyke, Dr. J. F. Wilkinson, and others : Discussion on The Value of Liver in Treatment. ROYAL COLLEGE OF PHYSICIANS OF LONDON, at 5.—Sir William Willcox : TOXIC Jaundice (Lumleian Lectures) (2). ROYAL INSTITUTION OF GREAT BRITAIN, at 5.15.—Dr. C. D. Darlington : The Cytological Theory of Heredity and Variation (8). EUGENICS SOCIETY (at Linnean Society), at 5.30.—W. Palin Elderton : Heredity and Insurance.
- Heredity and Insurance. Instruction of Civil Encirkers, at 6.-G. C. Minnitt: The Washaway and Reconstruction of the Nerbudda Bridge on the Great Indian Peningula Railway.-The late P. Allan: The George's River Bridge, New South Wales.