large iron requirements of the rice plant, Oryza sativa. -J. Hepperger: The influence of the attraction of the earth on the frequency of meteors.--O. Dischendorfer and H. Grillmayer: Investigations in the domain of photo-chemistry (iii.). On betuline.—F. Seidl: Investigations on 'self-sounding' crystals. A possibility of the transformation of electric into acoustic vibrations finding application in a telephone without diaphragm.—K. Przibram: The interpretation of the coloration of salts.

Official Publications Received.

Department of Commerce: Bureau of Standards. Scientific Papers of the Bureau of Standards, No. 521: Measurements of the Index of Refraction of Glass at High Temperatures. By C. G. Peters. Pp. 635-659. (Washington, D.C.: Government Printing Office.) 10 cents.

A Bibliography of Indian Geology, Part 4. Paleontological Index. Compiled by T. H. D. La Touche. Pp. iv+vii+414. (Calcutta: Government of India Central Publication Branch.) 7-14 rupees; 11s. 6d.
Records of the Botanical Survey of India. Vol. 3, No. 4: Freshwater Algæ from India. By Dr. Nellie Carter. Pp. 262-302+2 plates. (Calcutta: Government of India Central Publication Office.) 14 annas; 1s. 6d.

Report of the Felsted School Scientific Society for the Years 1924 and 1925. (No. 29.) Pp. 33. (Chelmsford.)
Southern Rhodesia. Report of the Director, Geological Survey, for the Year 1925. Pp. 5. (Salisbury, Southern Rhodesia).
Union of South Africa: Department of Agriculture. Bulietin No. 2 of 1925: Some further Remarks on Tobacco Cultivation for Nicotine. By J. Vernell Cutler and J. J. Theron and J. du P. Oosthuizen. (Division of Chemistry Series No. 45.) Pp. 23. 3d. Science Bulletin No. 36: Some Experiments on the Solubility of Saldanha and Grahamstown Phosphates in the soil. By A. Stead. (Division of Chemistry Series No. 55.) Pp. 15. 3d. Science Bulletin No. 48: Some Factors influencing the Keeping Quality of Butter. By D. J. Retief. Pp. 2°. Science Bulletin No. 44: A Biometrical Analysis of Merino Wools. By Prof. J. E. Duerdend V. Bosman. Pp. 16. Science Bulletin No. 46: Cool erative Fertiliser Experiments with Potatoes. By Thos. D. Hall. (Division of Stationery Office.)

and V. Bosman. Pp. 16. Science Bulletin No. 46: Co-ojerative Fertiliser Experiments with Potatoes. By Thos. D. Hall. (Division of Chemistry Series No. 65.) Pp. 11. (Pretoria: Government Printing and Stationery Office.)
Ingeniörsvetenskapsakademien. Handlingar Nr. 43: Radio Wave Propagation. By E. F. W. Alexanderson. Pp. 10. (Stockholm: Svenska Bokhandelscentralen A.-B.) 0-70 kr.
British Museum (Natural History). Picture Postcards. Set F12: British Museum (Natural History). Picture Postcards. Set F12: British Flowering Plants, Series No. 9. 5 cards in colour. 1s. Set F14: British Flowering Plants, Series No. 10. 5 cards in colour. 1s. Set F15: British Flowering Plants, Series No. 11. 5 cards in colour. 1s. Set F16: British Flowering Plants, Series No. 11. 5 cards in colour. 1s. Set F17: British Flowering Plants, Series No. 11. 5 cards in colour. 1s. Set F17: British Orchids, Series No. 2. 5 cards in colour. 1s. (London: British Museum (Natural History).)

New Zealand State Forest Service. Bulletin No. 4: Monograph on the New Zealand Beach Forests. Part 1: The Ecology of the Forests and Taxonomy of the Beeches. By Dr. L. Cockayne. Pp. 71. (Wellington, N.Z.: W. A. G. Skinner.) 4s.

Ministry of Agriculture, Egypt: Technical and Scientific Service. Bulletin No. 62: Report on a Mission to California (U.S.A.) to study New Methods of Fumigation of Citrus Trees. By Neguib Eff. Iscander. Pp. ii+41. (Cairo: Government Publications Office.) 5 p.T.

Proceedings of the United States National Museum. Vol. 68, Art 14: Termites collected on the Mulford Biological Exploration to the Amazon Basin, 1921-1922. By Thomas E. Snyder. (No. 2615.) Pp. 76+3 plates. (Washinston, D.C.: Government Printing Office.)

Navy (Health). Statistical Report of the Health of the Navy for the Year 1923. Pp. v+149. (London: H.M. Stationery Office.) 5s. net. Proceedings of the Royal Society of Edinburgh, Session 1925-1926. Vol. 46. Part 2, No. 17: Some Hyperspace Harmonic Analysis Problems introducing Extensions of Mathieu's Equation. By Prof. Pierre H

Diary of Societies.

SATURDAY, JUNE 19.

Institution of Municipal and County Engineers (North-Eastern District) (at Town Hall, Stockton-on-Tees), at 10.45.—W. A. Smith: The North Tees Joint Town Planning Scheme and Notes on Stockton-on-Tees Housing Schemes.—J. P. Wakeford: Notes on Stockton and some of its Municipal Works.

MONDAY, JUNE 21.

ROYAL SOCIETY OF EDINBURGH, at 4.30.—Prof. W. H. Lang: Contributions to the Study of the Old Red Sandstone Flora of Scotland. III. On Hostimella (Psilophyton) Thomsoni; IV. On a Specimen of Protolophidoendron from the Middle Old Red Sandstone of Caithness; V. On the Identification of the 'Large Stems' in the Carmyllie Beds of the Lower Old Red Sandstone as N. matophyton.—S. Williams: A Critical Examination of the Viltaries.—Dr. F. R. Cowper Reed: Some New Ordovician and Silurian Fossils from Girvan.—Prof. Graham Kerr: Note on the Fossil Fang of an Extinct Snake.—To he read by title:—J. M. Whittaker: On a Polarised Light Quantum.—Dr. W. W. Taylor: (a) Note on a Theory of von Weimarn; (b) Ferric Hydrovide and the Lyotrope Series. Lyotrope Series.

Aristotelian Society (at University of London Club), at S.—F. H.

Cecil Brock: Implications of the Philosophy of Bergson.

ROYAL INSTITUTE OF BRITISH ARCHITECTS, at 8.30.—Presentation of the

Royal Gold Medal.

INSTITUTION OF HEATING AND VENTILATING ENGINEERS (Summer Meeting, Scarborough) (continued on June 22 and 23).

INSTITUTION OF NAVAL ARCHITECTS (in Belgium) (continued until June 27).

TUESDAY, JUNE 22.

PREHISTORIC SOCIETY OF EAST ANGLIA (at Royal Anthropological

Institute), at 2.30.
ROYAL SOCIETY OF MEDICINE, at 5.30.—General Meeting

OYAL ANTHROPOLOGICAL INSTITUTE, at 8.30.—V. Gordon Childe: The First Colonisation of Central Europe.

WEDNES! AY, JUNE 23.

ROYAL COLLEGE OF PHYSICIANS, EDINBURGH, at 5.—Dr. J. Cowan: The Failing Heart (George Alexander Gibson Lecture) (1).

GEOLOGICAL SOCIETY OF LONDON, at 5.30.—Prof. H. F. Osborn: Methods and Results of American Museum Explorations in the Gobi Desert of

Mongolia (Lecture).
Radio Society of Great Britain (at Institution of Electrical

HADIO SOCIETY OF GREAT BRITAIN (at Institution of Electrical Engineers), at 6. NEWCOMEN SOCIETY FOR THE STUDY OF THE HISTORY OF ENGINEERING AND TECHNOLOGY (Summer Meeting at Norwich) (continued on June 24 and 25). INSTITUTION OF MUNICIPAL AND COUNTY ENGINEERS (at Bristol) (continued until June 26).

THURSDAY, JUNE 24.

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Institution of Electrical Engineers, at 3.30.—Sir Oliver Lodge: The History and Development of the Telephone (Lecture). Royal Society, at 4.30.—J. C. McLennan and A. B. McLay: On the Structure of the Arc Spectrum of Gold.—J. C. McLennan and H. G. Smith: On the Series Spectrum of Gold.—J. C. McLennan and H. G. Smith: On the Series Spectrum of Gold.—J. C. McLennan and H. G. Smith: On the Series Spectrum of Reladium.—A. M. Tyndall and L. R. Phillips: The Mobility of Ions in Air. Part III.—L. C. Jackson: Investigations on Paramagnetism at Low Temperatures. Part II.—Sybil Cooper and D. Denny-Brown: Responses to Rhythmical Stimulation of the Cerebral Cortex.—Papers to be read in title only:—Karl Pearson: Researches on the Mode of Distribution of the Constants of Samples taken at Random from a Bivariate Normal Population.—Lord Rayleigh: Further Spectroscopic Studies on the Luminous Vapour distilled from Metallic Arcs.—Sir William Hardy: A Microscopic Study of the Freezing of Gel. Part I. and Part II.—Sir William Hardy and Millicent Nottage.—Studies in Adhesion. I.—T. Moran: The Freezing of Gelatin Gels.—W. Jevons: The More Refraugible Band System of Cyanogen as developed in Active Nitrogen.—J. A. V. Butler: The Equilibrium of Heterogeneous Systems including Electroytes. Part I.—(The late) Mrs. Hertha Ayrton: Primary and Secondary Vortices in Oscillating Fluids. Their Connexion with Skin Friction.—T. T. H. Verschoyle: Isotherms of Hydrogen, of Nitrogen, and of Hydrogens.—E. W. Marchant and J. L. Miller: The Loss of Energy in Metal Plates of Finite Thickness, due to Eddy Currents produced by Alternating Magnetic Fields.—W. Sucksmith and H. H., Potter: On the Specific Heat of Ferromagnetic Substances.—L. B. Pfeil: The Effect of Occluded Hydrogen on the Tensile Strength of Iron.—T. E. Allibone: The Infrared Secondary Spectrum of Hydrogen.—D. C. Rose: The Scattering of Alpha Particles through Small Angles.—V. H. Stott, D. Turner, and H. A. Sloman: Effects of Thermal Treatment on Glass as shown by Precis

FRIDAY, JUNE 25.

Physical Society of London (at Imperial College of Science), at 5.
DIESEL ENGINE USERS' Association (at Caxton Hall, Westminster).—
J. E. Stackford: Some Deleterious Properties of Lubricating Oils.

SATURDAY, JUNE 26.

British Psychological Society (at University College, Gower Street, London, W.C.1), at 3.—Prof. C. Spearman: The Passing of the Psychology of 'Shapes' (Gestalten) into that of 'Wholes' (Ganzheiten).—Rex Knight: Modern Theories of the Self.