

## Official Publications Received.

Office Scientifique et Technique des Pêches Maritimes. Notes et Mémoires, No. 12: La Coopération de la Navigation Aérienne aux Pêches Maritimes. Extrait des Rapports sur les sorties en Dirigeable et en Avion effectuées les 25 Août et 1er Septembre, 1921. Par H. Heldt. Pp. 8. 3 francs. Notes et Mémoires, No. 13: Recherches sur la Variation de l'Iode. Chez les principales Laminaires de la Côte bretonne. Par M. P. Freundler and Mlle. Y. Menager. Pp. 24. 4 francs. (Paris: Ed. Blondel la Rougerie.)

Annual Report of the Department of Fisheries, Bengal and Bihar and Orissa, for the Year ending 31st March, 1921. Pp. vi+10+2 (Calcutta: Bengal Fishery Department.) 5 annas.

Ministry of Interior: Department of Refugees. Publication No. 6: The League of Nations and the Greeks and Armenians in Turkey. Pp. 62. (Constantinople.)

Imperial Department of Agriculture for the West Indies. Sugar-Cane Experiments in the Leeward Islands. Report on Experiments conducted in Antigua, St. Kitts-Nevis, and Montserrat in the Season 1919-20. Part 1: Experiments with Varieties of Sugar-Cane. Part 2: Manurial Experiments with Sugar-Cane. Pp. iv+57. (Barbados: Department of Agriculture.) 1s.

Memoirs of the Department of Agriculture, Trinidad and Tobago. No. 2: A Catalogue of the Trinidad Lepidoptera Rhopalocera (Butterflies). By W. J. Kaye. Pp. 163. (Trinidad.) 2s. 6d.

The Carnegie Trust for the Universities of Scotland. Twentieth Annual Report (for the Year 1920-21) submitted by the Executive Committee to the Trustees on 8th February, 1922. Pp. iv+63. (Edinburgh: The Carnegie Trust, Merchants' Hall.)

Comité International des Poids et Mesures. Procès-Verbaux de Séances. Deuxième série, Tome 9, Session de 1921. Pp. viii+110. (Paris: Gauthier-Villars et Cie.)

Madras Fisheries Department. Bulletin No. 12: Administration Report, 1918-19, and The Outrigger Canoes of Indonesia, by James Hornell; A Statistical Analysis of an Inshore Fishing Experiment at Madras, 1919, by M. Ramaswami Nayudu; Reports on the Fisheries of the Nilgiris, by the late H. C. Wilson; Notes on the Cichlid Fishes of Malabar, by N. P. Panikkar. Pp. iv+166+16 plates. (Madras: Government Press.) 4 rupees.

## Diary of Societies.

## THURSDAY, FEBRUARY 16.

ROYAL INSTITUTION OF GREAT BRITAIN, at 3.—Prof. A. G. Perkin: Dyeing: Ancient and Modern (1).

ROYAL SOCIETY, at 4.30.—Prof. L. Hill, D. H. Ash, and J. A. Campbell: The Heating and Cooling of the Body by Local Application of Heat and Cold.—Prof. J. B. Cohen, C. H. Browning, R. Gaunt, and R. Gulbransen: Relationships between Antiseptic Action and Chemical Constitution, with Special Reference to Compounds of the Pyridine, Quinoline, Acridine, and Phenazine Series.—D. T. Harris: Active Hyperæmia.—B. B. Sarkar: The Depressor Nerve of the Rabbit.—Prof. A. Lipschütz, Dr. B. Ottow, C. Wagner, and F. Bormann: The Hypertrophy of the Interstitial Cells in the Testicle of the Guinea Pig under Different Experimental Conditions.

CHINA SOCIETY (at School of Oriental Studies), at 5.—Miss E. G. Kemp: Some Aboriginal Tribes in China.

LINNEAN SOCIETY OF LONDON, at 5.—Prof. R. R. Gates: The Inheritance of Flower Size in Plants.—W. Dallimore: Exhibition of Dwarf Trees, showing Wind Effect on Rocks at Llandudno.—J. L. North: Acclimatisation of the Soja Bean, *Glycine Soja*.

ROYAL SOCIETY OF MEDICINE (Dermatology Section), at 5.

ROYAL AERONAUTICAL SOCIETY (at Royal Society of Arts), at 5.30.—Sqd.-Ldr. C. F. A. Portal: Methods of Instruction in Aeroplane Flying.

INSTITUTION OF MINING AND METALLURGY (at Geological Society of London), at 5.30.—J. M. Bell: The Occurrence of Silver Ores in South Lorraine, Ontario, Canada.

INSTITUTION OF ELECTRICAL ENGINEERS, at 6.—F. P. Whitaker: Rotary Converters, with Special Reference to Railway Electrification.

INSTITUTION OF AUTOMOBILE ENGINEERS (London Graduates' Meeting), at 8.—L. F. Watson: Mechanical Efficiency.

CHEMICAL SOCIETY, at 8.—A. Lapworth: A Theoretical Derivation of the Principle of Induced Alternate Polarities.—W. O. Kermack and R. Robinson: An Explanation of the Property of Induced Polarity of Atoms and an Interpretation of the Theory of Partial Valencies on an Electronic Basis.

SOCIETY FOR CONSTRUCTIVE BIRTH CONTROL AND RACIAL PROGRESS (at Essex Hall, Essex Street, W.C.2), at 8.—E. B. Turner: Sex Relationships.

ROYAL SOCIETY OF TROPICAL MEDICINE AND HYGIENE (at 11 Chandos Street, W.1), at 8.15.—Major F. W. Cragg: Relapsing Fever in India.

SOCIETY OF ANTIQUARIES, at 8.30.

## FRIDAY, FEBRUARY 17.

GEOLOGICAL SOCIETY OF LONDON (Anniversary), at 3.—Presidential Address.

ROYAL SOCIETY OF MEDICINE (Otolaryngology Section), at 5.

ROYAL COLLEGE OF SURGEONS OF ENGLAND, at 5.—Prof. Swale Vincent: A Critical Examination of Current Views on Internal Secretion (Arris and Gale Lecture).

INSTITUTION OF MECHANICAL ENGINEERS (Annual General Meeting), at 6.—A. T. Wall: Electric Welding applied to Steel Construction, with Special Reference to Ships.

BRITISH ELECTRICAL DEVELOPMENT ASSOCIATION (at Chartered Institute of Patent Agents, Staple Inn Buildings, W.C.2), at 7.30.—H. Harrison: Salesmanship in Relation to Electric Lighting.

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JUNIOR INSTITUTION OF ENGINEERS (at Caxton Hall), at 8.—W. J. Leaton: Water Purification for Boiler Feed Purposes.

SOCIÉTÉ INTERNATIONALE DE PHILOLOGIE, SCIENCES ET BEAUX-ARTS (Celtic Section) (at 8 Tavistock Street, W.C.1), at 8.—Dr. W. J. E. Scott: The Mines of El Dorado: an Historical Account of the Maritime Trade of Spain with Ireland, 2000 to 700 B.C. (2).

ROYAL SOCIETY OF MEDICINE (Electro-therapeutics Section), at 8.30.—Dr. G. W. C. Kaye: Radiology and Physics (Mackenzie-Davidson Memorial Lecture).

ROYAL INSTITUTION OF GREAT BRITAIN, at 9.—Prof. D. S. M. Watson: History of the Mammalian Ear.

## SATURDAY, FEBRUARY 18.

ROYAL INSTITUTION OF GREAT BRITAIN, at 3.—Prof. E. A. Gardner: Masterpieces of Greek Sculpture (1).

PHYSIOLOGICAL SOCIETY (at School of Medicine for Women, Hunter Street, W.C.1), at 4.—J. S. Haldane: Working Model to Illustrate a Theory of Muscular Contraction.—C. da Fano: Permanent Golgi-Cox Specimens.—W. W. Waller: The Microscopic Appearances of Red Blood Corpuscles in Hypertonic Saline.—W. Cramer: Slides Demonstrating the Functional Activity of the Suprarenal Medulla.—W. D. Halliburton and D. H. de Souza: Secretin by the Portal Route.—J. W. Pickering and J. A. Hewitt: Some Physico-chemical Aspects of Blood Coagulation.—J. A. Hewitt and Dorothy B. Steabben: Note on the Fermentation of Inositol.—M. Bond: (a) Fat Soluble A Content of Bacon Fat; (b) Food Value of Dried Egg-white.—E. E. Hewer: Some Observations on the Results of Suprarenal Inoculations.—M. O. P. Wiltshire: Oxygen Intake of Women during Muscular Work.—W. C. Cullis and M. Ross-Johnson: Periodic Variations in Temperature in Women.—W. C. Cullis: Oxygen Consumption as a Test of Fatigue.—G. V. Anrep and R. K. Cannan: The Blood Sugar Metabolism of the Submaxillary Gland.—A. N. Drury: The Effect of Vagal Stimulation on Intra-auricular Block produced by Cold (Mammalian Auricle).—J. Trevan and E. Boock: Note on the Effect of Section of the Vagus on the Respiratory Centre of the Cat.—H. W. Haggard and Y. Henderson: Hæmorrhage as a Form of Asphyxia.

## MONDAY, FEBRUARY 20.

INSTITUTION OF ELECTRICAL ENGINEERS (Informal Meeting), at 7.—E. F. Hetherington and others: Discussion on The Emergency Use of Oil Fuel during the Recent Coal Strike.

ROYAL INSTITUTE OF BRITISH ARCHITECTS, at 8.—A. J. Davis: The Internal Decoration of Ocean Liners.

ARISTOTELIAN SOCIETY (at University of London Club, 21 Gower Street, W.C.1), at 8.—Prof. H. Wildon Carr, Dr. Dorothy Winch, Prof. T. P. Nunn, and Prof. A. N. Whitehead: Discussion on the Idealistic Interpretation of Einstein's Theory.

ROYAL SOCIETY OF ARTS, at 8.—Prof. A. F. C. Pollard: The Mechanical Design of Scientific Instruments (1) (Cantor Lecture).

ROYAL GEOGRAPHICAL SOCIETY (at Æolian Hall), at 8.30.—A. F. R. Wollaston: Natural History of South-western Tibet.

## TUESDAY, FEBRUARY 21.

INSTITUTION OF ELECTRICAL ENGINEERS, at 3.—Meeting in commemoration of the First Meeting of the Society of Telegraph Engineers on February 28, 1872.

ROYAL INSTITUTION OF GREAT BRITAIN, at 3.—Sir Arthur Keith: Anthropological Problems of the British Empire: Racial Problems in Asia and Australasia (1).

ROYAL SOCIETY FOR THE PROTECTION OF BIRDS (at the Middlesex Guildhall, Westminster, S.W.1), at 3.—Viscount Grey of Fallodon: Address on the Work of the Society.

ROYAL STATISTICAL SOCIETY, at 5.15.

ZOOLOGICAL SOCIETY OF LONDON, at 5.30.—Dr. R. Broom: The Temporal Arches of the Reptilia.—Dr. H. Blegvad: Animal Communities in the Southern North Sea.—Dr. C. F. Sonntag: (1) The Vagus and Sympathetic Nerves of the Edentata. (2) The Vagus and Sympathetic Nerves of *Hyrax capensis*.—C. Tate Regan: The Cichlid Fishes of Lake Victoria.

INSTITUTION OF CIVIL ENGINEERS, at 6.—Discussion on paper by Dr. H. F. Parshall on: Hydro-Electric Installations of the Barcelona Traction, Light and Power Company.—A. C. Walsh and W. F. Stanton: The Improvement of the Port of Valparaiso.

WOMEN'S ENGINEERING SOCIETY (at 26 George Street, W.1), at 6.15.—Mrs. H. Irving: Model Experiments in Aeronautics.

INSTITUTE OF MARINE ENGINEERS, at 6.30.—D. R. Hutchinson: Types of Large Marine Engines.

ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN, at 7.—G. A. Booth: Natural History Photography.

## WEDNESDAY, FEBRUARY 22.

INSTITUTION OF ELECTRICAL ENGINEERS, at 3.30 and 8.30.—Meeting in Commemoration of the First Meeting of the Society of Telegraph Engineers on February 28, 1872.

GEOLOGICAL SOCIETY OF LONDON, at 5.30.—Dr. C. W. Andrews: Description of a New Plesiosaur from the Wealden Clay of Sussex.—T. Landell-Mills, with Notes on the Petrography by Dr. A. Gilligan, and on the Paleontology by Dr. A. Smith Woodward: The Carboniferous Rocks of the Deer Lake District of Newfoundland.

ROYAL SOCIETY OF ARTS, at 8.—Dr. A. Scott: The Restoration and Preservation of Objects at the British Museum.

## THURSDAY, FEBRUARY 23.

ROYAL INSTITUTION OF GREAT BRITAIN, at 3.—Prof. A. G. Perkin: Dyeing: Ancient and Modern (2).

INSTITUTION OF ELECTRICAL ENGINEERS, at 3.30 and 8.—Meeting in Commemoration of the First Meeting of the Society of Telegraph Engineers on February 28, 1872.

ROYAL SOCIETY, at 4.30.—Probable Papers.—C. D. Ellis:  $\beta$ -ray Spectra and their Meaning.—Prof. A. E. Conrady: A Study of the Balance.—Dr. J. S. Owens: Suspended Impurity in the Air.—R. V. Southwell: The Free Transverse Vibrations of a Uniform