

Official Publications Received.

BRITISH.

The Proceedings and Transactions of the Nova Scotian Institute of Science, Halifax, Nova Scotia, Vol. 17, Part 4, Session 1929-1930. Pp. xxxiii-lviii+213-275+ xvii. (Halifax, N.S.) 50 cents.

Indian Central Cotton Committee: Technological Laboratory. Technological Bulletin, Series B, No. 11: Random and Systematic Selections of Warp Specimens in Cloth Sampling. By Dr. A. James Turner. Pp. 21. (Bombay.) 8 annas.

Department of Scientific and Industrial Research. Building Science Abstracts. Vol. 3 (New Series), No. 12, December 1930. Abstracts Nos. 2183-2277. Pp. 411-531. (London: H.M. Stationery Office.) 9d. net.

Biological Reviews and Biological Proceedings of the Cambridge Philosophical Society. Edited by H. Munro Fox. Vol. 6, No. 1, January. Pp. 132. (Cambridge: At the University Press.) 12s. 6d. net.

Southern Whaling: Presidential Address delivered at the Anniversary Meeting of the Linnæan Society of London on the 24th of May 1930. By Sir Sidney F. Harmer. Pp. 85-163. (London: Linnæan Society.)

A List of International Fellowships for Research. (Pamphlet No. 4.) Pp. 223. (London: The International Federation of University Women.) 1s.

The Indian Forest Records. Botany Series, Vol. 16, Part 1: Illustrations of Indian Forest Plants. Part 2: Five Species of Dipterocarpus. By R. N. Parker. Pp. ii+16+10 plates. (Calcutta: Government of India Central Publication Branch.) 1 rupee; 1s. 9d.

The Hants Dairy Research Institute. Bulletin No. 2: Reactors in Tuberculin-Tested (Licensed) Herds. By Alexander B. Fowler and Dr. Norman C. Wright. Pp. 51. (Auchincruive.)

Empire Cotton Growing Corporation. Report of the Executive Committee to be submitted to the Meeting of the Administrative Council on February 5th, 1931. Pp. 7. (London.)

FOREIGN.

Library of Congress. Report of the Librarian of Congress for the Fiscal Year ending June 30, 1930. Pp. vi+420+12 plates. (Washington, D.C.: Government Printing Office.)

Agricultural Experiment Station: Michigan State College of Agriculture and Applied Science. Special Bulletin No. 204: Investigations of Corn Borer Control at Monroe, Michigan. By A. R. Marston and C. B. Dibble. Pp. 47. Technical Bulletin No. 108: Influence of Soil Conditions, Fertilizer Treatments and Light Intensity on Growth, Chemical Composition and Enzymic Activities of Sugar Beets. By James Tyson. Pp. 44. (East Lansing, Mich.)

Memoires du Musée Royal d'Histoire Naturelle de Belgique. Mémoire No. 43: Mollusques des couches a Cyrenes (paleocene du Limbourg). Par Dr. Emile Vincent. Pp. 43+8 planches. Mémoire No. 45: Hydro-meduses collected in the South-Western Part of the North Sea and in the Eastern Part of the Channel in 1903-1914. By F. L. Kraep. Pp. 55. Mémoire No. 46: Etudes sur les mollusques Montiens du Poudingue et du Tuffeau de Ciproly. Par Dr. Emile Vincent. Pp. 115+6 planches. (Bruxelles.)

United States Department of the Interior: Geological Survey. Bulletin 813-D: Notes on the Geology of Upper Nizina River, Alaska. By Fred H. Moffit. (Mineral Resources of Alaska, 1928.) Pp. ii+143-166+plate 3. 15 cents. Bulletin 817: Boundaries, Areas, Geographic Centers and Altitudes of the United States and the several States; with a Brief Record of Important Changes in their Territory and Government. By Edward M. Douglas. Second edition. Pp. vii+265+12 plates. 50 cents. Bulletin 821-A: A Graphic History of Metal Mining in Idaho. By Clyde P. Ross. (Contributions to Economic Geology, 1930, Part 2.) Pp. ii+9+3 plates. 10 cents. Bulletin 822-C: Bituminous Sandstone near Vernal, Utah. By E. M. Spieker. (Contributions to Economic Geology, 1930, Part 2.) Pp. ii+77-100+plates 7-9. 10 cents. Bulletin 824-A: Mineral Industry of Alaska in 1929, and Administrative Report. By Philip S. Smith. (Mineral Resources of Alaska, 1929.) Pp. ii+109. 20 cents. (Washington, D.C.: Government Printing Office.)

CATALOGUES.

A Catalogue of Important and Rare Books on Botany, Agriculture, Forestry, Fruit-Culture, Gardens and Gardening, Herbs, Early Medicine and Surgery, Tobacco, Original Water-Colour Drawings by Ehret and Van Huysum, and an Important Collection of Pamphlets. (No. 443.) Pp. 148. (London: Bernard Quaritch, Ltd.)

Useful Gardening Books. Pp. 8. List of Gardening and Botanical Books, including Materia Medica, Pharmacy, Perfumery, and Scent, etc. (No. 183.) Pp. 20. (London: Dulau and Co., Ltd.)

Taylor's Bee Supplies. Pp. 44. (Welwyn: E. H. Taylor, Ltd.)

Diary of Societies.

FRIDAY, MARCH 13.

INSTITUTION OF MUNICIPAL AND COUNTY ENGINEERS (Scottish District Meeting) (at City Chambers, Edinburgh), at 11.30 A.M.—W. B. Scott: The Proposed National Standard Practice for the Employment of Structural Steel in Building, as Delegated by the British Steel Work Association.

BIOCHEMICAL SOCIETY (Annual General Meeting) (at University College), at 3.—Prof. C. Lovatt Evans, Chiao Tsai, and F. G. Young: A Note on the Estimation of Liver Glycogen.—R. A. McCance and H. L. Shipp: The Colorimetric Determination of Sodium.—E. Stedman and Ellen Stedman: Studies on the Relationship between Chemical Constitution and Physiological Action. Part III. The Inhibitory Action of Certain Synthetic Urethanes on the Activity of Liver Esterase.—B. C. J. Knight: An Electrolytic Method for Poisoning the Oxidation-

reduction Potential of Culture Media.—G. F. Marrian: Observations on the Physiological Potency of Crystalline Tri-hydroxy Estrin.—Prof. T. P. Hilditch and J. J. Sleightholme: The Glyceride Structure of Butter Fats.—H. R. Ing and R. N. Kekwick: A Note on Acyl Derivatives of Creatine and Creatinine.—I. S. MacLean and M. S. B. Pearce: Oxidations of Oleic Acid *in vitro* and their Bearing on the Biological Oxidation of Oleic Acid.—C. Rimmington and A. M. Stewart: A Pigment from the Suint (Sweat Fraction) of Raw Sheep's Wool.

ROYAL SOCIETY OF ARTS (Indian Meeting), at 4.30.—Dr. H. H. Mann: The Tea Industry of India in its Scientific Aspects.

ROYAL ASTRONOMICAL SOCIETY, at 5.—Sir A. S. Eddington: A Theorem concerning Incomplete Polytopes.—J. Young: Occultations of Stars by the Moon observed at Birmingham University during 1930.—T. Matukuma: Relativity Effect in the Problem of Latitude Variation.—J. Dufay: Effect of Atmospheric Absorption in Stellar Spectrophotometry.—J. H. Hindie: A New Test for Cassegrain and Gregorian Secondary Mirrors.—V. V. Narliker: The Significance of Bode's Law in Relation to Satellite Systems.—L. H. Thomas: The Slow Contraction and Expansion of a Fluid Sphere. 11. Stability.—S. Chandrasekhar: The Dissociation Formula According to the Relativistic Statistics.—C. S. Beals: Wave Lengths of Oxygen and Nitrogen Lines in the Stellar Region.—Royal Observatory, Greenwich: Observations of Solar Filoculi, made with the Spectroheliograph during 1930.—Dr. H. H. Plaskett: The Formation of the Magnesium b Lines in the Solar Atmosphere.—B. Stromgren: The Possible Solutions of the "Equations of Fit" on the Standard Model.—T. G. Cowling: Note on the Fitting of Polytopes Models in the Theory of Stellar Structure.—S. Chandrasekhar: The Highly Collapsed Configurations of a Stellar Mass.

ROYAL SOCIETY OF MEDICINE (Ophthalmology Section) (at Middlesex Hospital), at 5.—Clinical Meeting.

ROYAL COLLEGE OF SURGEONS OF ENGLAND, at 5.—Sir Arthur Keith: Demonstration of Specimens illustrating the Anatomy, Physiology, and Pathology of the Oesophagus.

ROYAL SOCIETY OF MEDICINE (Clinical Section), at 5.30.

MALACOLOGICAL SOCIETY OF LONDON (at Linnæan Society), at 6.—H. H. Bloomer: On the Anatomy of *Brazzea cf. anceyi*, Bourguignat.—J. R. le B. Tomlin: Two New Species of *Rhizotoma*.—C. Oldham: Some Scalariform Examples of *Arianta arbutorum*.

NORTH-EAST COAST INSTITUTION OF ENGINEERS AND SHIPBUILDERS (at Mining Institute, Newcastle upon-Tyne), at 6.—S. F. Dorey: Some Factors Influencing the Sizes of Crankshafts for Double-Acting Diesel Engines.

INSTITUTION OF ELECTRICAL ENGINEERS (London Students' Section), at 6.15.—C. J. F. Tweed: Aspects of the Transmission and Reception of Still Pictures.

INSTITUTE OF FUEL (North-Western Section) (at Engineers' Club, Manchester), at 7.—Dr. G. E. K. Blythe: The Industrial Application of Pulverised Fuel.

INSTITUTION OF LOCOMOTIVE ENGINEERS (Manchester Centre) (at Literary and Philosophical Society, Manchester), at 7.—Dr. E. G. Ritchie: Steam Storage in Relation to the Locomotive.

OIL AND COLOUR CHEMISTS' ASSOCIATION (Manchester Section) (at Milton Hall, Manchester), at 7.—Dr. F. A. Mason: Recent Lines of Advance in Lake and Pigment Chemistry.

JUNIOR INSTITUTION OF ENGINEERS, at 7.30.—L. Clegg: Phenol Formaldehyde Moulding Compositions, Manufacture and Use.

SOCIETY OF CHEMICAL INDUSTRY (Chemical Engineering Group) (at Chemical Society), at 8.—W. J. Rees: The Manufacture of Lime.

ROYAL INSTITUTION OF GREAT BRITAIN, at 9.—J. C. Squire: Parody.

SATURDAY, MARCH 14.

INTERNATIONAL SOCIETY OF LEATHER TRADES CHEMISTS (British Section) (at University, Leeds), at 10 A.M.—R. F. Innes: Determination of Water in Vegetable Tanned Leather.—Dr. A. C. Russ: New and Improved Method of Moisture Determination and its Application to Leather.—Dr. D. Burton: Note on the Determination of Moisture in Leather.—H. G. Bennett and others: Discussion on Mineral Acids in Vegetable Leather.—Demonstration of a New Form of Tintometer, by Dr. J. G. Parker.

ROYAL INSTITUTION OF GREAT BRITAIN, at 3.—Lord Rutherford: Recent Researches on the Alpha-Rays (2).

BRITISH PSYCHOLOGICAL SOCIETY (at Royal Anthropological Institute), at 3.30.—R. Sedgwick: A Brief Restatement of the Case for Psychological Hedonism and an Examination of some Fundamental Concepts in Affective Psychology.

MONDAY, MARCH 16.

VICTORIA INSTITUTE (at Central Buildings, Westminster), at 4.30.—Col. F. C. Molesworth: History of Practical Astronomy.

ROYAL GEOGRAPHICAL SOCIETY, at 5.—W. V. Lewis: The Effect of Wave-Incidence on the Configuration of a Coast.

ROYAL COLLEGE OF SURGEONS OF ENGLAND, at 5.—C. E. Shattock: Demonstration of Specimens illustrating Affections of the Kidney.

INSTITUTION OF MECHANICAL ENGINEERS (Graduates' Section), at 6.45.—C. Day: Heavy Oil and Diesel Engines (Lecture).

SOCIETY OF CHEMICAL INDUSTRY (Edinburgh and East of Scotland Section) (Annual General Meeting) (at 36 York Place, Edinburgh), at 7.—Dr. H. Hepworth: Invention in Chemical Industry.

INSTITUTION OF ELECTRICAL ENGINEERS (Informal Meeting), at 7.—Dr. A. Rosen and others: Discussion on Some Difficulties in A.C. Bridge Measurements.

INSTITUTION OF ELECTRICAL ENGINEERS (Mersey and North Wales (Liverpool) Centre) (at Liverpool University), at 7.

INSTITUTION OF ELECTRICAL ENGINEERS (Tees-Side Sub-Centre) (at Cleveland Technical Institute, Middlesbrough), at 7.—B. Leggett: The Medical and Surgical Applications of Electricity.

SHIPLEY TEXTILE SOCIETY (at Technical School, Shipley), at 7.30.—Prof. Barker: South Africa: its Sheep and Wool (Lecture).

ROYAL INSTITUTE OF BRITISH ARCHITECTS, at 8.—C. R. Peers: The Treatment of Old Buildings.