

Journal of the Indian Institute of Science. Vol. 12A, Part 14: Studies in the Proteins of Indian Foodstuffs. Part 2: The Proteins of the Pigeon Pea (*Cajanus indicus*). By P. S. Sundaram, Roland V. Norris and V. Subrahmanyan. Pp. 199-205. (Bangalore.) 12 annas.

Proceedings of the Royal Irish Academy. Vol. 39, Section A, Nos. 1, 2: The Variation of Curvatures in the Deformation of a Curve in Riemannian Space, by A. J. McConnell; The Displacement or Deviation of Circles in Riemannian Space, by J. L. Synge. Pp. 20. 1s. Vol. 39, Section B, Nos. 3, 4, 5: The Action of Alcoholic Hydrochloric Acid on certain Unsaturated Ketones, by Brian Coffey and Dr. Hugh Ryan; The Constitution of Iso-catechin Tetramethyl Ether, by James J. Drumm, Robert J. P. Carolan and Dr. Hugh Ryan; On 3-4-Dimethoxybenzyl-3-5-Dimethoxycoumaranone, by James J. Drumm, Sheila M. Maguire and Dr. Hugh Ryan. Pp. 107-123. 1s. Vol. 39, Section B, Nos. 6, 7, 8: Preparation and Oxidation of Flavindogenides, by Dr. Hugh Ryan and George Cruess-Callaghan; Some Derivatives of γ -Anisylidene-Methylethylketone, by Dr. Hugh Ryan, Peter M'Geown and Dr. John Keane; The Condensation of Aldehydes with Benzyl Acetoacetic Ester, by Dr. Hugh Ryan, W. B. Cornelia and Pieter Hurley. Pp. 124-145. 1s. Vol. 39, Section B, Nos. 9, 10: Some Effects of Röntgen Rays on Seedlings, by Dr. Sylvia B. Wigoder and Ruth Patten; Further Study on the Effect of Summer and Winter Temperatures on the Catalase of Pine Needles; a Reply to Criticism, by F. C. Green, M. E. M'Endarfer, O. S. Orth and W. E. Burge. Pp. 146-159 + plates 3-4. 1s. (Dublin: Hodges, Figgis and Co.; London: Williams and Norgate, Ltd.)

Department of Agriculture, Ceylon. Bulletin No. 85: The Termit-proof Construction of Buildings in Ceylon. By F. P. Jepson. Pp. iv + 36 + 26 plates. (Peradeniya.) 40 cents.

Report on the Administration of the Meteorological Department of the Government of India in 1928-29. Pp. 19 + 4 plates. (Calcutta: Government of India Central Publication Branch.) 14 annas; 1s. 6d.

Royal Agricultural Society of England. Agricultural Research in 1928. Pp. viii + 198. (London: John Murray.) 1s.

Report on the Conditions of Science Teaching in Oxfordshire. Compiled by a Committee of the Oxfordshire Branch of the Incorporated Association of Assistant Masters in Secondary Schools. Pp. 8. (Oxford.)

Royal Agricultural Society of England. Report of the Council to the Annual General Meeting of Governors and Members of the Society, to be held at the Royal Agricultural Hall, Islington, London, N., on Wednesday, December 11, 1929, at 2.15 p.m. Pp. 26. (London.)

Harper Adams Agricultural College, Newport, Salop, 1929-30. Pp. 96. (Newport, Shropshire.)

The National Institute of Poultry Husbandry (Harper Adams Agricultural College), Newport, Salop. A Progress Report of Instructional and Experimental Work in Poultry and Rabbit Husbandry. No. 2, August. Pp. 72. (Newport, Shropshire.)

Proceedings of the Royal Society. Series A, Vol. 126, No. A800, December 2. Pp. 182. (London: Harrison and Sons, Ltd.) 6s.

Proceedings of the University of Durham Philosophical Society. Vol. 8, Part 2, 1928-1929. Pp. 71-139. (Durham.) 5s.

Government of India: Meteorological Department, Magnetic, Meteorological and Seismographic Observations made at the Government Observatories, Bombay and Alibag, in the Year 1924, under the direction of Dr. S. K. Banerji. Pp. v + 133 + 5 plates. (Calcutta: Government of India Central Publication Branch.) 6.10 rupees; 11s.

FOREIGN.

Ministerio da Agricultura, Industria e Commercio: Directoria de Meteorologia. Boletim Meteorologico, Anno 1928. Pp. viii + 218. Boletim Meteorologico, Anno 1924. Pp. viii + 224. (Rio de Janeiro.)

Methods and Problems of Medical Education. (Fifteenth Series.) Pp. iv + 76. (New York: The Rockefeller Foundation.)

Department of the Interior: Bureau of Education. Bulletin, 1929, No. 14: Statistics of Teachers Colleges and Normal Schools, 1927-1928. Prepared by Frank M. Phillips. Pp. 71. 10 cents. Bulletin, 1929, No. 27: Review of Educational Legislation, 1926-1928. By Ward W. Keeseecker. Pp. 20. 5 cents. (Washington, D.C.: Government Printing Office.)

Proceedings of the United States National Museum. Vol. 76, Art. 6: New Species of Buprestid Beetles from Costa Rica. By W. S. Fisher. (No. 2805.) Pp. 23. Vol. 76, Art. 19: Oolites or Cave Pearls in the Carlsbad Caverns. By Frank L. Hess. (No. 2813.) Pp. 5 + 8 plates. (Washington, D.C.: Government Printing Office.)

Comité National Français de Géologie et Géophysique. Assemblée générale du 27 mars 1929. Compte rendu publié par le Secrétaire général G. Perrier. Pp. 64. (Paris.)

Wisconsin Academy of Sciences, Arts and Letters. The Fresh Water Mollusca of Wisconsin. By Frank Collins Baker. Part 1: Gastropoda. (Wisconsin Geological and Natural History Survey, Bulletin 70, Part 1.) Pp. xx + 507 + 28 plates. Part 2: Pelecyopoda. (Wisconsin Geological and Natural History Survey, Bulletin 70, Part 2.) Pp. vi + 495 + plates 29-105. (Madison, Wis.)

Meddelelser fra Kommissionen for Havundersøgelser. Serie Fiskeri. Bind 8, Nr. 6: An Investigation of the Stock of Plaice in the Southern Horns Reef Area in the Years 1925 and 1927. By Aage J. C. Jensen. Pp. 63. 4.50 kr. Bind 8, Nr. 7: On the Age and Growth of the Coalfish (*Gadus virens* L.), the Norway Pout (*Gadus esmarki* Nilsson) and the Poutassou (*Gadus poutassou* Risso) in Icelandic Waters. By Bjarni Sæmundsson. Pp. 37. 3.65 kr. Bind 8, Nr. 8: On the Influence of the size of the Stock of Cod upon the Yield of the Herring Fishery in the Kattegat, Belt Sea, and Western Part of the Baltic, and some other Causes of Variations in the Cod and Herring Fisheries. By Aage J. C. Jensen. Pp. 16. (København: C. A. Reitzels Forlag.)

The Rockefeller Institute for Medical Research. Organization and Equipment. Pp. 27 + 2 plates. (New York City.)

U.S. Department of Agriculture. Technical Bulletin No. 112: Biology of the Cotton Boll Weevil at Florence, S.C. By F. A. Fenton and E. W. Dunnam. Pp. 76. 20 cents. Leaflet No. 48: Reindeer Recipes. By Louise Stanley and Fanny Walker Yeatman. Pp. 8. 5 cents. (Washington, D.C.: Government Printing Office.)

Records of Changes in Color among Fishes. By Charles Haskins Townsend. (New York Aquarium Nature Series.) Pp. 58 (27 plates). (New York: New York Zoological Society.)

Proceedings of the Boston Society of Natural History. Vol. 39, No. 5: Experiments in Bird Migration. I. Manipulation of the Reproductive Cycle; Seasonal Histological Changes in the Gonads. By William Rowan. Pp. 151-208 + plates 22-32. (Boston, Mass.)

Zentralanstalt für Meteorologie und Geodynamik. Publikation Nr. 133: Jahrbücher der Zentralanstalt für Meteorologie und Geodynamik. Amtliche Veröffentlichung. Jahrgang 1926, Neue Folge, Band 63 (der ganzen Reihe Band 71). Pp. xx + A42 + B51 + C44 + D7. (Wien: Gerold und Komp.)

Parki Narodowe w Polsce: National Parks in Poland. By Władysław Szafer. Pp. 31. (Kraków: Nakiadem Państwowej Rady Ochrony Przyrody.)

Państwowa Komisja Ochrony Przyrody w Polsce: State Commission for the Protection of Nature in Poland. Nr. 8: On the Protection of Nature in Poland during the last Five Years, 1920-1925. By Prof. Dr. Władysław Szafer. Pp. 54. Nr. 24: Loi pour la protection de la nature en Pologne. Par Jan Gwalbert Pawlikowski. Pp. 11. (Kraków: Nakiadem Państwowej Komisji Ochrony Przyrody.)

Publikationer og mindre Meddelelser fra Københavns Observatorium. Nr. 66: Formeln og Tafeln zur Bestimmung parabolischer Bahnen. Von Bengt Strömgren. Pp. 146. (København.)

U.S. Department of the Interior. Education Bulletin, 1929, No. 32: Developments in Rural School Supervision. By Annie Reynolds. Pp. v + 17. (Washington, D.C.: Government Printing Office.) 5 cents.

The University of Chicago: Publications of the Yerkes Observatory. Vol. 7, Part 1: Radial Velocities of 500 Stars of Spectral Class A. By Edwin B. Frost, Storrs B. Barrett and Otto Struve. Pp. vii + 79. (Chicago: University of Chicago Press; London: Cambridge University Press.)

United States Department of Agriculture. Technical Bulletin No. 86: Imported Insect Enemies of the Gypsy Moth and the Brown-tail Moth. By A. F. Burgess and S. S. Crossman. Pp. 148 + 6 plates. (Washington, D.C.: Government Printing Office.) 50 cents.

CATALOGUES, ETC.

Calendar for 1930. (London: British Museum (Natural History).) Scientific Instruments. Pp. 80. (Delft: P. J. Kipp en Zonen.)

Diary of Societies.

FRIDAY, DECEMBER 20.

ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN (Pictorial Group—Informal Meeting), at 7.—Determination and Isolation of the Picture. JUNIOR INSTITUTION OF ENGINEERS (Informal Meeting), at 7.30.—W. Challis: Line Signalling on the Southern Railway. SOCIETY OF DYERS AND COLOURISTS (Scottish Section).—P. Urmston: Modern Machinery in Dyeing, Printing, and Finishing. PAPER MAKERS' ASSOCIATION (Technical Section, Northern Division) (at Engineers' Club, Manchester).—R. H. Clapperton: The Elimination of Dirt from Paper Stock.

SATURDAY, DECEMBER 28.

ROYAL INSTITUTION OF GREAT BRITAIN (at Institution of Electrical Engineers), at 3.—S. R. K. Glanville: How Things were done in Ancient Egypt (Christmas Lectures) (1): The Elementary Use of Nature.

CONFERENCE.

DECEMBER 20 AND 21.

SOCIETY FOR EXPERIMENTAL BIOLOGY (at London School of Hygiene and Tropical Medicine).

Friday, Dec. 20, 10 A.M. to 1 P.M.—A. D. Ritchie: Reflex Movements in Pecten.—G. S. Carter: Thyroxin and Fertilisation in *Echinus*.—F. C. Stott: Temperature Optima in Invertebrate Digestive Enzyme Reactions.—F. C. Stewart: Diffusion of Substances through Membranes of Plant Tissue.—M. C. Pratt: Production of Formaldehyde in Photosynthesis.—H. R. Hewer: Variation in the Genus *Zygnema*. 2.15 to 3.45.—M. Robertson: The Action of Ageronin on *Bodo caudatus*.—A. B. Appleton: The Nutritional Factor in the Growth and Differentiation of the Skeleton of the New-born Rabbit.—H. G. Newth: The Feeding of Ammocoetes.

3.45 to 5.15.—Demonstrations:—Dr. V. J. Wigglesworth: The Formation of the Peritrophic Membrane in Insects.—Dr. P. A. Buxton: Apparatus for Exposing Insects to Known Temperatures and Humidities.—Dr. G. S. Wilson: (a) Apparatus for the Continuous Passage of Gaseous Mixtures of Variable Composition through Liquid Cultures of Bacteria; (b) Apparatus for the Cultivation of Bacteria in Closed Atmospheres of Known Composition.—Major H. C. Brown and Dr. J. C. Broom: Portable Apparatus for the Determination of Hydrogen Ion Concentration.—Dr. A. Robertson: *Trypanosoma cruzi*, isolated from an Opossum in Honduras.—H. N. Howes: Histological Methods for Investigating the Activity of the Anterior Pituitary.—Dr. G. P. Crowden: (a) Audiometers for Testing Acuity of Hearing; (b) Whipple's Test for Steadiness of Hand; (c) Lehmann-Muller Closed Circuit Metabolism Apparatus.

5.15 to 6.15.—W. Robinson: Problems of Nutrition and Development in some Brown Seaweeds.—V. C. Wynne Edwards: On the Waking-time of the Night-jar.

At 6.15.—Annual Meeting. Saturday, Dec. 21, 10 A.M. to 1 P.M.—E. A. Spaul: The Distribution of Biological Activity in the Anterior Pituitary.—G. Pincus: Observations on the Living Eggs of the Rabbit.—E. M. Stephenson: The Physiology of Crustacean Chromatophores.—R. H. Stoughton: Cytology of *Bacterium malvacearum*.—G. Fox Wilson: Biology of *Tylenchus dipsaci* in its Relation to Herbaceous Plants.