

Official Publications Received.

BRITISH.

Journal of the Indian Institute of Science. Vol. 12A, Part 8: i. Studies in Enzyme Action, Part 3. Amylase from Cumbu (*Pennisetum typhoidesum*), by D. Narayanamurti, C. V. Ramaswami Ayyar and Rbland V. Norris; ii. Studies in Enzyme Action, Part 4, Tyrosinase, I, by D. Narayanamurti and C. V. Ramaswami Ayyar. Pp. 105-129. (Bangalore.) 1.8 rupees.
 Rubber Research Institute of Malaya. Bulletin No. 1: The Natural Coagulation of Hevea Latex. By Dr. A. S. Corbet. Pp. 17. (Kuala Lumpur.) 1 dollar.
 Journal of the Federated Malay States Museums. Vol. 14, Parts 3 and 4, July. Pp. 325-481+plates 5-13. (Kuala Lumpur.)
 Memoirs of the Archaeological Survey of India. No. 41: Survival of the Prehistoric Civilisation of the Indus Valley. By Ramaprasad Chanda. Pp. iv+40+2 plates. (Calcutta: Government of India Central Publication Branch.) 1.2 rupees; 2s.
 Malayan Forest Records. No. 7: Mangrove Bark as a Tanning Material. By T. A. Buckley. Pp. 40. (Kuala Lumpur.) 50 cents; 1s.
 Royal Observatory, Hong Kong. Meteorological Records 1884-1928. (Appendix to Hong Kong Observations, 1928.) By C. W. Jeffries. Pp. 16. (Hong Kong.) 60 cents.
 Imperial Department of Agriculture for the West Indies. Report on the Agricultural Department, St. Lucia, 1928. Pp. iv+31. (Barbados.) 6d.
 The Journal of the Institution of Electrical Engineers. Edited by P. F. Rowell. Vol. 67, No. 394, October. Pp. 1177-1268+xxxvi. (London: E. and F. N. Spon, Ltd.) 10s. 6d.

FOREIGN.

Bulletin of the National Research Council. No. 69: Molecular Physics in Relation to Biology. Report of the Subcommittee on Molecular Physics, of the National Research Council. Pp. 293. 3 dollars. No. 70: Studies of Mean Sea-Level. Report of the Committee on Shoreline Investigations, National Research Council. Pp. 50. 50 cents. No. 71: Bibliography of Bibliographies on Chemistry and Chemical Technology. First Supplement 1924-1928. Compiled by Clarence J. West and D. D. Berolzheimer. Pp. 161. 1.50 dollars. (Washington, D.C.: National Academy of Sciences.)
 Reprint and Circular Series of the National Research Council. No. 89: Science and Progress in the Industries. By John J. Carty. Pp. 8. (Washington, D.C.: National Academy of Sciences.) 20 cents.
 Smithsonian Institution: Bureau of American Ethnology. Bulletin 88: Myths and Tales of the Southeastern Indians. By John R. Swanton. Pp. x+275. 1.00 dollar. Bulletin 90: Papago Music. By Frances Denmore. Pp. xx+229+19 plates. 1.25 dollars. (Washington, D.C.: Government Printing Office.)
 Mededeelingen van het Nederlandsch Instituut voor Documentatie en Registratuur. No. 6, 1928, 10-12. Pp. 2073-2249. (Amsterdam: Nederlandsch Instituut voor Efficiency.) Bi-monthly, 50s. a year.
 Abridged Scientific Publications from the Kodak Research Laboratories. Vol. 12, 1928. Pp. 205+vi. (Rochester, N.Y.: Eastman Kodak Co.)
 Department of Commerce: Bureau of Standards. Research Paper No. 78: Relative Visibility of Luminous Flashes from Neon Lamps and from Incandescent Lamps with and without Red Filters. By F. Chapin Breckenridge and J. E. Nolan. Pp. 11-25+1 plate. 5 cents. Research Paper No. 84: Bunsen Flames of Unusual Structure. By Francis A. Smith and S. F. Pickering. Pp. 65-74+5 plates. 5 cents. (Washington, D.C.: Government Printing Office.)

CATALOGUE.

Watson's Microscope Record. No. 18, September. Pp. 32. (London W. Watson and Sons, Ltd.)

Diary of Societies.

FRIDAY, NOVEMBER 1.

ROYAL SOCIETY OF MEDICINE (Otolaryngology Section), at 10.30 A.M.—W. M. Mollison, G. J. Jenkins, L. Graham Brown, and J. P. Stewart: Triumphs and Failures of the Mastoid Operation.
 DIESEL ENGINE USERS' ASSOCIATION (at Caxton Hall), at 3.30.—J. G. Pearce: Modern Engineering Cast Irons and their Properties.
 ROYAL ASTRONOMICAL SOCIETY, at 4.30.—Geophysical Discussion on Cyclonic Disturbances of Sea Level. Chairman, Sir Richard Gregory. Speakers, Dr. Doodson and Prof. Proudman.
 ROYAL SOCIETY OF MEDICINE (Laryngology Section), at 5.—Cases by W. S. T. Neville, Dr. D. McKenzie, V. E. Negus, H. A. Kisch, T. B. Layton, and others.
 ROYAL COLLEGE OF SURGEONS OF ENGLAND, at 5.—Sir Arthur Keith: Demonstration of Spinal Deformities in the Sacroiliac Region.
 INSTITUTION OF MECHANICAL ENGINEERS, at 6.—Prof. H. L. Callendar: Critical Relations between Water and Steam (Thomas Hawksley Lecture).
 NORTH-EAST COAST INSTITUTION OF ENGINEERS AND SHIPBUILDERS (in Mining Institute, Newcastle-upon-Tyne), at 6.—W. S. Burn: The Development and Performance of the Richardsons-Westgarth Oil Engine.
 SOCIETY OF CHEMICAL INDUSTRY (Manchester Section) (jointly with Institute of Chemistry, Society of Dyers and Colourists, and Manchester Literary and Philosophical Society) (at Engineers' Club, Manchester), at 7.—Dr. F. A. Freeth: Industrial Research.
 INSTITUTION OF ELECTRICAL ENGINEERS (Meter and Instrument Section) at 7.—E. W. Hill: Chairman's Inaugural Address.
 ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN (Pictorial Group), at 7.—Informal Meeting.
 GEOLOGISTS' ASSOCIATION (at University College), at 7.30.—Conversazione.
 JUNIOR INSTITUTION OF ENGINEERS, at 7.30.—Alfred Herbert, Ltd.: Technical Film: The Age of Speed.

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PHILOLOGICAL SOCIETY (at University College), at 8.—Prof. E. Weekley: Words and Names.
 ROYAL SOCIETY OF MEDICINE (Anaesthetics Section), at 8.30.—Dr. J. Blomfield, Sir Francis Shipway, and others: Discussion on Avertin Anaesthesia.
 ROYAL AERONAUTICAL SOCIETY (Yeovil Branch) (at Yeovil).—J. W. Berry: Cold Working of Metals.

SATURDAY, NOVEMBER 2.

GILBERT WHITE FELLOWSHIP (at 6 Queen Square, W.C.1), at 3.—A. H. Allcroft: The Significance of Circular Churchyards.
 BRITISH ASSOCIATION OF MANAGERS OF TEXTILE WORKS (at Athenæum, Manchester), at 6.30.—J. Litchfield: Lace, its Characteristics, Technique, Classification, and Yarn Requirements.

MONDAY, NOVEMBER 4.

ROYAL SOCIETY OF EDINBURGH, at 4.30.—Dr. Frances M. Ballantyne: Notes on the Development of *Callithrix littoralis*.—Dr. A. W. Greenwood: Some Observations on the Thymus Gland in the Fowl.—Dr. A. C. Fraser and Dr. B. P. Wiesner: Variations of the Rest Metabolism of the Rat in Relation to the Sex Cycle.—Dr. L. Mirski: On the Presence of a Kothyrogen Substance in the Mouse Placenta.—Dr. B. P. Wiesner: On the Mechanism of the Diphasic Sex Cycle.—Prof. H. W. Turnbull and Dr. J. Williamson: Further Invariant Theory of Two Quadratics in n Variables.
 ROYAL COLLEGE OF SURGEONS OF ENGLAND, at 5.—C. P. G. Wakeley: Demonstration of Specimens of Cysts.
 ROYAL INSTITUTION, at 5.—General Meeting.
 SOCIETY OF ENGINEERS (at Geological Society), at 6.—G. A. Wright: Land Drainage.
 BRITISH PSYCHOLOGICAL SOCIETY (Education Section) (at London Day Training College), at 6.—Miss K. Leopold: Creative Work and its Effect on Appreciation: An Experiment in the Teaching of Poetry.
 INSTITUTION OF AUTOMOBILE ENGINEERS (Bristol Centre) (at Merchant Venturers' Technical College, Bristol), at 6.45.—Capt. L. W. Johnson: The Inspection of Metals and their Alloys.
 INSTITUTION OF ELECTRICAL ENGINEERS (Informal Meeting), at 7.—R. Borlase Matthews and others: Discussion on Paris and the Pyrenees: Notes on some of the Technical Features of the I.E.E. 1929 Visit.
 INSTITUTION OF ELECTRICAL ENGINEERS (Mersey and North Wales (Liverpool) Centre) (at University, Liverpool), at 7.—J. Wright and C. W. Marshall: The Construction of the 'Grid' Transmission System in Great Britain.
 KEIGHLEY TEXTILE SOCIETY (at Kiosk Café, Keighley), at 7.30.—A. Bailey: Artificial Silk and its Everyday Manufacturing Problems.
 SOCIETY OF CHEMICAL INDUSTRY (London Section) (at Burlington House), at 8.—N. Heaton: Titanium Oxide Pigments.—A. Marshall: The Vapour Pressures of Nitroglycerin and Dinitroethyleneglycol, and the Function of Sulphuric Acid in Nitrations.
 ROYAL GEOGRAPHICAL SOCIETY (at Aolian Hall), at 8.30.—H. G. Watkins: River Exploration in Labrador by Canoe and Dog Sledge.
 SOCIETY OF DYERS AND COLOURISTS (Huddersfield Section) (at Huddersfield).—M. Carter: Dyeing of Indigo and Blue Serges.

TUESDAY, NOVEMBER 5.

ROYAL COLLEGE OF PHYSICIANS OF LONDON, at 5.—Dr. J. A. Arkwright: The Virulence of the Micro-organism in Infective Disease (Bradshaw Lecture).
 MINERALOGICAL SOCIETY (Anniversary Meeting), at 5.30.—Dr. C. E. Tilley: Scawtite, a New Mineral from Scawt Hill, Co. Antrim.—Dr. F. Coles Phillips: On the Composition-plane of {010}-twins in the Acid Plagioclases.—M. H. Hey: On the Variation of Optical Properties with Chemical Composition in the Rhodonite-Bustamite Series.—Dr. F. Coles Phillips: A Preliminary Account of some Mineralogical and Chemical Changes in the Green Bed Group of the Scottish Dalradian on Progressive Metamorphism.—E. Heron-Allen: Exhibition of a So-called Meteorite from Hangchow, Chekiang, China.
 ZOOLOGICAL SOCIETY OF LONDON, at 5.30.—Major S. S. Flower: (a) Exhibition of a Fat Dormouse (*Glis glis*) from Hastoe, Herts; (b) Notes on a Recent Visit to some Continental Zoological Gardens.—W. S. Bristowe: (a) The Spiders of Skomer Island (S. Wales); (b) The Distribution and Dispersal of Spiders.—J. R. Norman: Notes on the Fishes of the Suez Canal.—E. Banks: Interbreeding among some Bornean Leaf-Monkeys of the Genus *Pithecus*.
 INSTITUTION OF CIVIL ENGINEERS, at 6.—W. W. Grierson: Presidential Address and Presentation of Medals.
 LONDON NATURAL HISTORY SOCIETY (at Winchester House, E.C.), at 6.—E. C. Stuart Baker: The Animals and People among whom we carry on our Natural History Work in the Jungle of India.
 ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN (Pictorial Group), at 7.—Dr. P. Macgillivray: D. O. Hill and his Work.
 INSTITUTION OF AUTOMOBILE ENGINEERS (Birmingham Graduates) (jointly with Coventry Graduates) (at Broadway Café, Coventry), at 7.15.—Discussion: That Mass Production is Detrimental to the Industry.
 INSTITUTION OF AUTOMOBILE ENGINEERS (jointly with Iron and Steel Institute) (at Royal Society of Arts), at 7.45.—Dr. W. H. Hatfield: Steels for Automobiles and Aeroplanes.
 LEICESTER LITERARY AND PHILOSOPHICAL SOCIETY (Chemistry Section) (at Museum, Leicester), at 8.—Miss C. H. Spencer: Colloids (Presidential Address).
 TELEVISION SOCIETY (at Engineers' Club, Coventry Street, W.1), at 8.—F. Langford-Smith: Amplification and Television.
 ROYAL SOCIETY OF MEDICINE (Orthopaedics Section), at 8.30.—D. McCrae Aitkin: Respiratory Rhythm in Physiological Relation to Movement and Posture, with Suggested Applications to Treatment (Presidential Address).

WEDNESDAY, NOVEMBER 6.

GEOLOGICAL SOCIETY OF LONDON, at 5.30.—Dr. H. Bolton: Fossil Insects of the South Wales Coalfield.—Major A. R. Derryhouse and A. A. Miller: The Glaciation of Clun Forest, Radnor Forest, and some Adjoining Districts.