

Official Publications Received.

- Proceedings of the Royal Society of Edinburgh, Session 1924-1925. Vol. 45, Part 1, No. 5: The Ionisation of Iodine Vapour by Ultra-Violet Light. By W. West and Dr. E. B. Ludlam. Pp. 34-41. 1s. Vol. 45, Part 1, No. 6: Experiments and Observations on Crustacea. Part 6: The Mechanism of Massive Movement of the Operculum of *Palanus nubilus*. By Dr. John Tait and Dr. W. F. Emmons. Pp. 42-47. 9d. (Edinburgh: R. Grant and Son; London: Williams and Norgate, Ltd.)
- Memoirs of the Department of Agriculture in India. Botanical Series, Vol. 13, No. 5: The Eradication of *Cyperus rotundus* L. (A Study in Pure and Applied Botany.) By S. B. Ranade; arranged and written by Dr. W. Burns. Pp. 99-192+8 plates. 24 rupees; 3s. Botanical Series, Vol. 13, No. 6: Studies in Diseases of the Jute Plant. (2) *Macrophoma corchori* Saw. By Dr. F. J. F. Shaw. Pp. 193-199+2 plates. 8 annas; 9d. (Calcutta: Thacker, Spink and Co.; London: W. Thacker and Co.)
- Canada. Department of Mines: Mines Branch. Investigations of Mineral Resources and the Mining Industry, 1923. Pp. 74. Investigations in Ceramics and Road Materials (Testing and Research Laboratories) 1923. Pp. 75. Investigations in Ore Dressing and Metallurgy (Testing and Research Laboratories) 1923. Pp. 150. Investigations of Fuels and Fuel Testing (Testing and Research Laboratories) 1923. Pp. 86. (Ottawa: F. A. Acland.)
- Papers and Proceedings of the Royal Society of Tasmania for the Year 1924. Pp. v+167+22 plates. (Hobart.) 10s.
- Transactions and Proceedings of the Royal Society of South Australia (Incorporated). Edited by Prof. Walter Howchin; assisted by Albert H. Elston. Vol. 43. Pp. iv+356+32 plates. (Adelaide.)
- New South Wales. Botanic Gardens, Government Domains, Garden Palace Grounds, Centennial Park and Campbelltown State Nursery: Report of Director for 1923. Pp. 7. (Sydney: Alfred James Kent.) 7d.
- Union of South Africa. Report of the South African Museum for the Year ended 31st December 1924. Pp. ii+9. (Cape Town: Cape Times, Ltd.)
- The National Physical Laboratory, Teddington, Middlesex: Metrology Department. Verification of Weights, Testing of Balances, Determination of Densities. Pp. 28. (Teddington: National Physical Laboratory.) Free.
- Annual Report of the Council of the Yorkshire Philosophical Society for the Year 1924, presented to the Annual Meeting, February 9th, 1925. Pp. 46. (York: Yorkshire Museum.)
- Arkiv för Matematik, Astronomi och Fysik utgivet av K. Svenska Vetenskapsakademien. Meddelande från Lunds Astronomiska Observatorium. No. 105: Die Ausmessung des Sternhaufens ICN 4996. Von W. Gyllenberg. Pp. 48. No. 106: A Contribution to the Problem of Determining the Distribution in Space of the Stars. By K. G. Malmquist. Pp. 12. No. 107: Remarks on the Absolute Magnitude Curve. By K. G. Malmquist. Pp. 4. No. 108: On the Correlation between Proper Motions and Radial Velocities. By W. Gyllenberg and K. G. Malmquist. Pp. 36. (Stockholm: Almqvist and Wiksells Boktryckeri A.-B.; London: Wheldon and Wesley, Ltd.)
- Department of the Interior: Bureau of Education. Bulletin, 1924, No. 30: Land-Grant College Education, 1910 to 1920. Part 1: History and Educational Objectives. Edited by Walton C. John. Pp. vii+51. 10 cents. Bulletin, 1924, No. 40: Legal Provisions for Rural High Schools. By William R. Hood. Pp. 60. 10 cents. (Washington: Government Printing Office.)
- British Legion. Annual Report and Accounts, 1924. Pp. 97. (London: 26 Eccleston Square, S.W.1.)
- Smithsonian Miscellaneous Collections. Vol. 77, No. 3: Provisional Solar-Constant Values, August 1920 to November 1924. By C. G. Abbot and colleagues. (Publication 2818.) Pp. 33. (Washington: Smithsonian Institution.)

Diary of Societies.

SATURDAY, MAY 9.

ROYAL INSTITUTION OF GREAT BRITAIN, at 3.—G. L. Bickersteth: Byron and Italian Literature (I).

MONDAY, MAY 11.

ROYAL IRISH ACADEMY, at 4.15.

ROYAL SOCIETY OF EDINBURGH, at 4.30.—Dr. F. A. E. Crew: Unilateral Vasodilation on the Senile Male of the Domestic Fowl. Miss Sheina M. Marshall: A Survey of Clyde Plankton.—Miss Frances M. Ballantyne: The Continuity of the Vertebrate Nervous System: Studies on *Lepidosiren paradoxa*. E. B. Bailey: Perthshire Tectonics: Loch Tummel, Blair Atholl and Glen Shee.BIOCHEMICAL SOCIETY (at Middlesex Hospital, W.1), at 5.—S. L. Baker: Intra-renal Obstruction caused by the Products of Hæmolysis.—R. W. Scarf: Experimental Atheroma in Rabbits produced by Cholesterol Feeding.—O. Rosenheim and Prof. J. C. Drummond: A Delicate Colour Reaction for the Presence of Vitamin A.—E. H. Lepper and Dr. C. J. Martin: The Influence of Salt Concentrations on the C_H of Buffer Solutions as indicated by the Electrometric and Colorimetric Methods respectively.—H. W. Kinnersley and R. A. Peters: Antineuritic Yeast Concentrates.—L. Gross and P. Eggleton: Note on Blood Sugar Levels in Rats fed on Complete Diets and Diets deficient in Vitamin B.—Dr. T. A. Henry, T. M. Sharp, and H. C. Brown: Bactericidal Action of some Organic Compounds of Mercury.—F. Dickens, E. C. Dodds, and S. Wright: Observations upon the Preparation, Properties, and Standardisation of the Ovarian Hormone.

ROYAL INSTITUTION OF GREAT BRITAIN, at 5.15.—Prof. J. Barcroft: Some Effects of Climate on the Circulation (IV.).

BRITISH PSYCHOLOGICAL SOCIETY (Education Section) (at London Day Training College), at 6.—Miss B. Low: Some Considerations on the Cinema in Education.

ROYAL GEOGRAPHICAL SOCIETY (at Æolian Hall), at 8.30.—H. K. J. B. Philby: The Dead Sea to Aqaba.

MEDICAL SOCIETY OF LONDON, at 9.—Sir Bernard Spilsbury: The Medical Career of John Keats (Annual Oration).
INSTITUTE OF BREWING (London Section) (at Engineers' Club, Coventry Street, W.1).—H. Abbot: A Review of the Carbonating Process as applied to Beer.

TUESDAY, MAY 12.

INSTITUTION OF CIVIL ENGINEERS, at 6.—Annual General Meeting.
ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN (Scientific and Technical Group), at 7.—H. W. Lee: The Principle and Construction of the Telephotographic Lens.—E. Marriage and others: The Applications of the Telephotographic Lens.

WEDNESDAY, MAY 13.

ROYAL SOCIETY OF MEDICINE (Sub-section of Proctology) (Section of Surgery) (Annual General Meeting), at 5.
ROYAL SOCIETY OF ARTS (Jointly with the Royal Aeronautical Society and the Anglo-Batavian Society), at 8.—T. A. T. Van der Hoop: The Flight to the Netherlands East Indies.

THURSDAY, MAY 14.

ROYAL ANTHROPOLOGICAL INSTITUTE (Indian Section), at 4.30.—Prof. S. Nicholson: The Malas, an Outcaste People of S. India.

ROYAL SOCIETY, at 4.30.—Prof. E. C. C. Baly and Elizabeth Semmens: The Selective Photochemical Action of Polarised Light. I. The Hydrolysis of Starch.—R. B. Thomson and H. B. Sifton: Resin Canals in the Spruce (*Picea*). An Anatomical and Orceological Study and its Bearings on Phylogeny.—H. G. Cannon: On the Segmental Excretory Organs of certain Freshwater Ostracods.—E. G. T. Liddell and J. F. Fulton: Observations on Ipsilateral Contraction and "Inhibitory" Rhythm.—K. Furusawa: Muscular Exercise, Lactic Acid, and the Supply and Utilisation of Oxygen. Part X. The Oxygen Intake during Exercise while breathing Mixtures rich in Oxygen.—To be read in title only.—J. S. Yeates: The Nucleolus of *Tmesipteris Tannensis* Bernh.

ROYAL SOCIETY OF MEDICINE (Neurology Section), at 5.—Annual General Meeting.

ROYAL INSTITUTION OF GREAT BRITAIN, at 5.15.—Prof. H. J. Fleure: Prehistoric Trade and Traders of the West Coasts of Europe (II.).

OPTICAL SOCIETY (at Imperial College of Science), at 7.30.—F. W. Preston: (a) The Fundamental Law of Annealing; (b) The Dimensional Accuracy of Mr. Hampton's Paper on "The Annealing of Glass."—T. Smith: A Note on the Cosine Law.—W. Watson and Sons, Ltd.: Exhibition and Description of Recent Types of Apparatus and Instruments including: A new Student's Model Microscope, Greenough Microscope with Special Attachment for Instantaneous Conversion into a High Power Binocular Microscope.

OIL AND COLOUR CHEMISTS' ASSOCIATION (at 8 St. Martin's Place, W.C.2), at 8.—P. May: Artists' Colours.

FRIDAY, MAY 15.

ROYAL SOCIETY OF MEDICINE (Electro-Therapeutics Section) (Annual Meeting), at 5.—Discussion on High Voltage and other Radiotherapy.

ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN (Pictorial Group), at 7.—Discussion on Art or Truth?

PHILOLOGICAL SOCIETY (at University College), at 8.—Prof. E. Weekley: Some new Etymologies.

EUGENICS EDUCATION SOCIETY (at Royal Society), at 8.30.—E. N. Fallaize: Problems in Eugenics, and the Study of Primitive Races.

ROYAL INSTITUTION OF GREAT BRITAIN, at 9.—Prof. C. G. Darwin: Recent Developments in Magnetism.

SATURDAY, MAY 16.

ROYAL INSTITUTION OF GREAT BRITAIN, at 3.—G. L. Bickersteth: Byron and Italian Literature (II.).

FREE PUBLIC LECTURES.

MONDAY, MAY 11.

UNIVERSITY COLLEGE, at 5.—Prof. G. Dawes Hicks: Hegel's *Æsthetics*. (Succeeding Lectures on May 18, 25.)

TUESDAY, MAY 12.

GRESHAM COLLEGE (Basinghall Street, E.C.2), at 6.—A. R. Hinks: Time-keepers and Time Signals. (Succeeding Lectures on May 13, 14, 15.)

LIVERPOOL UNIVERSITY, Sir Robert Jones: Crippling due to Fractures: its Prevention and Remedy (Lady Jones Lecture).

WEDNESDAY, MAY 13.

LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE, at 5.—R. A. Smith: Primitive Man. (Succeeding Lectures on May 20, 27.)

THURSDAY, MAY 14.

UNIVERSITY COLLEGE, at 2.30.—Sir Flinders Petrie: Recent Discoveries in Egypt.

ST. MARY'S HOSPITAL: Institute of Pathology and Research, at 5.—A. T. Glenn: The Principles of Immunity as illustrated by Protective Inoculation against Diphtheria.

ROYAL COLLEGE OF SURGEONS OF ENGLAND, at 5.—Sir W. Watson Cheyne, Bart.: Lister Memorial Lecture.

FRIDAY, MAY 15.

CHARING CROSS HOSPITAL MEDICAL SCHOOL, at 5.—Prof. B. Brouwer: The Projection of the Retina in the Brain.

ST. BARTHOLOMEW'S HOSPITAL MEDICAL COLLEGE, at 5.—Dr. H. H. Dale: Chemical Control of certain Bodily Functions. (Succeeding Lectures on May 19, 22, 26.)