

Official Publications Received.

United States Department of Agriculture. Department Bulletin No. 1346: Status of the Pronghorned Antelope, 1922-1924. By Edward W. Nelson. Pp. 64+6 plates. (Washington: Government Printing Office.) 15 cents.

Proceedings of the Academy of Natural Sciences of Philadelphia. Vol. 77: The Orthoptera of South Dakota. By Morgan Hebard. Pp. 33-155. Vol. 77: North American Veronicellidae. By H. Burrington Baker. Pp. 157-184+plates 3-6. (Philadelphia.)

University of London. University College Faculty of Medical Studies. University Centre for Preliminary and Intermediate Medical Studies, Session 1925-1926. Pp. vi+225-258+10. (London.)

Aeronautical Research Committee. Reports and Memoranda, No. 937 (Ae. 176): Experiments on the Transmission of Air Waves through Pipes. By L. F. G. Simmons and F. C. Johansen. (A.I.A. Dynamical Similarity, etc., 57-T. 1971.) Pp. 13+6 plates. (London: H.M. Stationery Office.) 1s. net.

Jahrbücher der Zentralanstalt für Meteorologie und Geodynamik. Amtliche Veröffentlichung. Jahrgang 1921, Neue Folge, Band 58. Pp. xvi+A35+B38+C40. (Wien.)

Conseil Permanent International pour l'Exploration de la Mer. Publications de Circumstance, No. 88: On the Development and Distribution of the Norway Bullhead (*Cottus Wiljeborgi* Collett). By Anton Fr. Brunn. Pp. 15. Rapports et procès-verbaux des Réunions, Vol. 37: Rapport Atlantique 1924 (Travaux du Comité du Plateau Continental Atlantique) (Atlantic Slope Committee). Publié avec l'aide de Dr. Ed. Le Danois. Pp. 89. Bulletin statistique des pêches maritimes des Pays du Nord de l'Europe. Vol. 12, pour les années 1921-1922. Rédigé par D'Arcy Wentworth Thompson. Pp. 145. (Copenhagen: Andr. Fred. Høst et fils.)

The Science Reports of the Tôhoku Imperial University, Sendai, Japan. Second Series (Geology). Vol. 7, No. 3: *Nilssonia* Bed of Hokkaidô and its Flora, by Seidô Endô; Nummulitic Rocks of the Islands of Amakusa (Kyûshû, Japan), by Hisakatsu Yabe and Shôshirô Hanzawa. Pp. 57-82+plates 11-22. (Tokyo and Sendai: Maruzen Co., Ltd.)

Transactions of the Royal Society of Edinburgh. Vol. 53, Part 3, No. 32: The Continuity of the Vertebrate Nervous System; Studies on *Lepidosiren paradoxa*. By Frances M. Ballantyne. Pp. 663-670+6 plates. 3s. Vol. 53, Part 3, No. 34: Studies in the Ammonites of the Family Echioceratidae. By Dr. A. E. Trueman and Daisy M. Williams. Pp. 699-739+4 plates. 6s. 6d. (Edinburgh: R. Grant and Son; London: Williams and Norgate, Ltd.)

Nigeria. Annual Report on the Agricultural Department for the Year 1924. Pp. 12. (Ibadan.)

United States Department of Agriculture Library. Bibliographical Contributions, No. 8: Author and Subject Index to the Publications on Plant Pathology issued by the U.S. Department of Agriculture up to January 1, 1925. Compiled by Jessie M. Allen. Pp. ii+158. (Washington: Government Printing Office.)

Contributions from the Central Meteorological Observatory of Japan. Vol. 1, No. 1: On Rayleigh Wave. By Hiroshi Nakano. Pp. 94. (Tokyo.)

Publications of the Astronomical Observatory of the Warsaw Observatory. Vol. 1. Pp. iv+40. (Warsaw.)

Diary of Societies.

SATURDAY, OCTOBER 10.

BIOCHEMICAL SOCIETY (in the Biochemical Department, Cambridge), at 8.—Dorothy Needham and J. Needham: The Micro-injection of pH and rH Indicators.—G. S. Lund and C. G. L. Wolf: The Fermentable Sugar in Blood.—Sir F. G. Hopkins: An Oxidation of Proteins promoted by Glutathione.—Mrs. H. J. Coombs and Marjory Stephenson: The Gravimetric Estimation of Bacterial Growth.—L. J. Harris: Extension of the Principles of Acidimetry. Application to certain Biochemical Problems: (a) Analysis of Amino-acid Mixtures; (b) Volumetric Estimation of Casein and other Proteins; (c) The Rationale and Prediction of Protein Behaviour; (d) Polypeptides; (e) Insulin.—H. F. Holden: The Estimation of Glucose.—C. S. Hicks: (a) The Effect of a Tryptophane-Free Diet on the Thyroid Gland of the Rat, with Studies in Heat Production; (b) The Ultra-violet Absorption Spectrum of Acetyl-thyroxin.—C. S. Hicks and M. L. Mitchell: A Preliminary Report on the Study of Induced Polyuria in Rats.—H. W. Dudley and W. V. Thorpe: A Synthesis of N-methylputrescine and of Putrescine.—J. B. S. Haldane: The Effect of Diuresis on Purin Metabolism.—H. J. Channon and Prof. J. C. Drummond: Feeding Experiments with Spinacene.

MINING INSTITUTE OF SCOTLAND (at Edinburgh).

MONDAY, OCTOBER 12.

ROYAL SOCIETY OF MEDICINE (War Section), at 5.—Lieut.-General Sir William Leishman: Presidential Address.

INSTITUTION OF MECHANICAL ENGINEERS (Graduates Section), at 7.—G. Lyon: An Analysis of Tests on a High-speed Petrol Engine.

INSTITUTE OF METALS (Scottish Local Section) (at 39 Elmbank Crescent, Glasgow), at 7.30.—J. Stirling: Chairman's Address.

INSTITUTE OF BREWING (London Section) (at Engineers' Club, Coventry Street, W.).—Discussion on this Season's Malts.

TUESDAY, OCTOBER 13.

PREHISTORIC SOCIETY OF EAST ANGLIA (at 52 Upper Bedford Place, W.C.), at 2.30.—M. C. Burkitt: Some Aspects of the Azilian-Tardenoisian Industries (Presidential Address).

INSTITUTION OF PETROLEUM TECHNOLOGISTS (at Royal Society of Arts), at 5.30.—E. Parsons: Notes on the Geology of Java.

INSTITUTE OF MARINE ENGINEERS, at 6.30.—W. S. Patterson: Metallic Corrosion.

ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN, at 7.—Major-General Sir Percy Z. Cox: Mesopotamia—and on the Way (Lecture).

JUNIOR INSTITUTION OF ENGINEERS, at 7.30.—R. A. Hudson: Town Planning: its Effect and Influence on Industry.

QUEKETT MICROSCOPICAL CLUB, at 7.30.—Dr. G. H. Rodman: The Story of Cuckoo Spit.

ROYAL ANTHROPOLOGICAL INSTITUTE, at 8.15.—F. Turville-Petre and Sir Arthur Keith: Early Man in Palestine: the Galilean Skull.

WEDNESDAY, OCTOBER 14.

ROYAL INSTITUTE OF PUBLIC HEALTH, at 4.—Prof. S. L. Cummins: The Prevention and Arrest of Tuberculosis.

INSTITUTION OF CIVIL ENGINEERS (jointly with Institution of Mechanical Engineers, Institution of Electrical Engineers, Institution of Naval Architects, Institute of Marine Engineers, North-East Coast Institution of Engineers and Shipbuilders, Institution of Engineers and Shipbuilders in Scotland, Institute of Chemistry of Great Britain and Ireland, Institution of Gas Engineers, British Electrical and Allied Manufacturers' Association, British Engineers' Association, Admiralty, War Office, and the Air Ministry), at 6.—R. A. Chattock: Standard Codes for Tabulating the Results of Trials on Steam Turbines and Condensing Plant.

INSTITUTION OF ENGINEERS-IN-CHARGE (at St. Bride Institute, Bride Lane, E.C.), at 7.30.—Edg. Vice-Admiral Sir George G. Goodwin: Presidential Address.

INSTITUTION OF CHEMICAL ENGINEERS (at Science Museum, South Kensington), at 8.30 (Reception).

THURSDAY, OCTOBER 15.

ROYAL AERONAUTICAL SOCIETY (at 7 Albemarle Street), at 5.30.—Major C. K. Cochran-Patrick: Aircraft Survey in Burma.

INSTITUTION OF MINING AND METALLURGY (at Geological Society of London), at 5.30.

CHILD-STUDY SOCIETY (at Royal Sanitary Institute), at 6.—Miss Margaret Macmillan: The Future of the Nursery School.

OPTICAL SOCIETY (at Imperial College of Science and Technology), at 7.30.—Prof. C. V. Raman and Sushil Krishna Datta: On Brewster's Bands: Part I.—W. G. Collins: Demonstration of a New Method of Recording Rapidly Varying Phenomena.

CHEMICAL SOCIETY, at 8.—Prof. H. B. Baker and Miss M. Carlton: The Effect of Ultra-violet Light on Dried Hydrogen and Oxygen.—Miss M. Carlton: A New Peroxide of Barium.—U. R. Evans: The Production of Oxide Films on Copper at Ordinary Temperatures.—Mrs. A. H. Atack and F. W. Atack: The Structural Isomerism of the Oximes. Part III. The Benzilmonoximes.

ROYAL SOCIETY OF TROPICAL MEDICINE AND HYGIENE (at 11 Chandos Street, W.), at 8.15.—Dr. A. Balfour: Some of Our Pioneers (Inaugural Address).

FRIDAY, OCTOBER 16.

ROYAL COLLEGE OF SURGEONS OF ENGLAND, at 5.—Sir Arthur Keith: Demonstration of Specimens illustrating the Pathological Anatomy of Acromegaly.

ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN, at 7.—H. W. Bennett: Ely Cathedral (Lecture).

INSTITUTE OF METALS (Swansea Local Section) (at University College, Swansea), at 7.15.—Captain H. Vivian: Chairman's Address.

JUNIOR INSTITUTION OF ENGINEERS, at 7.30.—A. J. Tracey: Super-Tension Cable Dielectrics.

INSTITUTION OF ENGINEERS AND SHIPBUILDERS IN SCOTLAND (at 39 Elmbank Crescent, Glasgow), at 8.—J. L. Adam: The Engineer and his Ship.

SATURDAY, OCTOBER 17.

PHYSIOLOGICAL SOCIETY (at Guy's Hospital).

PUBLIC LECTURES.

SATURDAY, OCTOBER 10.

HORNIMAN MUSEUM (Forest Hill), at 3.30.—Miss M. A. Murray: The Earliest Egyptians and their Remains.

MONDAY, OCTOBER 12.

UNIVERSITY COLLEGE, at 5.—R. J. Lythgoe: The Physiology of Hearing and Vision. (Succeeding Lectures on October 14, 19, 21, 26, 28, November 2 and 4.)—Prof. G. Dawes Hicks: The Philosophy of Bradley and James Ward.

KING'S COLLEGE, at 6.30.—Rev. Dr. F. A. P. Aveling: Applications of Psychology.

MEDICAL SOCIETY OF LONDON, at 5.30.—Dr. L. S. Burrell: Tuberculosis from the Physician's Viewpoint.

TUESDAY, OCTOBER 13.

BEDFORD COLLEGE FOR WOMEN, at 12 noon.—Miss Tarrant: Greek Philosophy.

UNIVERSITY COLLEGE, at 8.—Prof. E. A. Gardner: Proposals for Restoration and Excavation in Athens.

GRESHAM COLLEGE, at 6.—Sir R. Armstrong-Jones: Physic. (Succeeding Lectures on October 14, 15, and 16.)

WEDNESDAY, OCTOBER 14.

LONDON SCHOOL OF ECONOMICS, at 5.—Prof. L. Rodwell Jones: Geography and the University.

UNIVERSITY COLLEGE, at 5.30.—Dr. E. A. Baker: The Use of Libraries.

THURSDAY, OCTOBER 15.

UNIVERSITY OF LEEDS, at 5.15.—A. M. Woodward: The Excavation of Sparta.

KING'S COLLEGE, at 5.30.—Prof. C. Burt: The Contributions of Psychology to Social Hygiene.

SATURDAY, OCTOBER 17.

HORNIMAN MUSEUM (Forest Hill), at 3.30.—W. J. Perry: The Story of Warfare in Europe.