

Official Publications Received.

Smithsonian Institution: United States National Museum. Contributions from the United States National Herbarium, Vol. 24, Part 6: A Bibliographic Study of Beauvois' Agrostographie. By Cornelia D. Niles. With Introduction and Botanical Notes by Agnes Chase. Pp. xix+135-214. (Washington: Government Printing Office.) 15 cents.

Department of Commerce: Bureau of Standards. Circular of the Bureau of Standards, No. 276: Motor-Vehicle Headlighting. Pp. 28. (Washington: Government Printing Office.) 20 cents.

Institut de France: Académie des Sciences. Annuaire pour 1925. Pp. 379. (Paris: Gauthier-Villars et Cie.)

Sitzungsberichte der Physikalisch-medizinischen Societät in Erlangen. Herausgegeben im Auftrag der Societät von Oskar Schulz. 54. und 55. Band, 1922, 1923. Pp. xxiii+429+8 Tafeln. (Erlangen.)

Fifty Years of Local Science, 1875-1925: a Record of Fifty Years Work done by the Members of the Bradford Natural History and Microscopical Society and the Bradford Scientific Association. Edited by H. J. M. Maltby and W. P. Winter. Pp. 34+2 plates. (Bradford.) 6d.

County Council of the West Riding of Yorkshire: Education Committee. Report on the Examination for County Minor Scholarships, 1925. Pp. 33. (Wakefield: Education Department, County Hall.)

The Edinburgh and East of Scotland College of Agriculture. Calendar for 1925-1926. Pp. 94. (Edinburgh.)

Proceedings of the Royal Society of Edinburgh, Session 1924-1925. Vol. 45, Part 3, No. 25: Some Points in the Anatomy of Dicksonia. By Samuel Williams. Pp. 286-296+2 plates. 1s. 6d. Vol. 45, Part 3, No. 26: On the Vertical Force Changes during the "Sudden Commencement" of a Magnetic Storm. By Dr. A. Crichton Mitchell. Pp. 297-301+1 plate. 9d. Vol. 45, Part 3, No. 27: A Colour-Vision Spectrometer. By Prof. W. Peddie. Pp. 302-307. 6d. Vol. 45, Part 3, No. 28: A Ball-and-Tube Flowmeter. By Sir J. Alfred Ewing. Pp. 308-321+3 plates. 2s. (Edinburgh: R. Grant and Son; London: Williams and Norgate, Ltd.)

New Zealand. Nineteenth Annual Report (New Series) of the Mines Department, Geological Survey Branch. Pp. 13. (Wellington, N.Z.: W. A. G. Skinner.) 6d.

Prospectus of the Royal College of Art, S. Kensington, London. Session 1925-1926. Pp. iv+28. (London: H.M. Stationery Office.) 6d. net.

Comptes rendus des séances de la Conférence géodésique réunie à Helsingfors du 28 juin au 2 juillet 1924. (Verhandlungen der in Helsingfors vom 28 juni bis 2 juli 1924 abgehaltenen Geodätischen Konferenz.) Rédigés par le Secrétaire-général, Ilmari Bonsdorff. Pp. iv+150. (Helsinki: Valtioneuvoston Kirjapaino.)

Department of Commercial Intelligence and Statistics, India. Agricultural Statistics of India, 1922-23. Vol. 2: Area, Classification of Area, Area under Irrigation, Area under Crops, Live-Stock, and Land Revenue Assessment, in certain Indian States. Pp. vii+85. (Calcutta: Government of India Central Publication Branch.) 12 annas; 1s. 3d.

The Science Reports of the Tôhoku Imperial University, Sendai, Japan. Second Series (Geology), Vol. 8, No. 2: On some Paleozoic Molluscs of Japan. 1: Lamellibranchiata and Scaphopoda. By Ichiro Hayasaka. Pp. 34+2 plates. (Tokyo and Sendai: Maruzen Co., Ltd.)

The Memoirs of the Imperial Marine Observatory, Kobe, Japan. Vol. 2, No. 1. Pp. 81+20 plates. (Kobe.)

Contributions to Paleontology from the Carnegie Institution of Washington. Studies on the Fossil Flora and Fauna of the Western United States. (Publication No. 349.) Pp. iii+130+25 plates. (Washington: Carnegie Institution.)

Diary of Societies.

SATURDAY, OCTOBER 17.

MINING INSTITUTE OF SCOTLAND (at Royal Technical College, Glasgow), at 5.—Discussion on paper by E. H. Frazer on Safety First in Mines.—Prof. R. W. Dron: Notes on Cleat in the Scottish Coalfield.

PHYSIOLOGICAL SOCIETY (at Guy's Hospital).

MONDAY, OCTOBER 19.

SOCIETY OF SUPERINTENDENTS OF TUBERCULOSIS INSTITUTIONS (at 122 Harley Street, W.), at 3.—Dr. J. W. Linnell: Some Reflections on the Diagnosis and Treatment of Tuberculosis.—Dr. F. R. Walters: Needs and Indications in Pulmonary Tuberculosis.

ROYAL COLLEGE OF PHYSICIANS OF LONDON, at 4.—Sir Frederick Mott: The Progressive Developments of Harvey's Doctrine of *Omne vivum ex ovo* (Harveian Oration).

ROYAL COLLEGE OF SURGEONS OF ENGLAND, at 5.—Mr. Shattock: Demonstration of Specimens illustrating Lips and Tongue.

JUNIOR INSTITUTION OF ENGINEERS (North-Western Branch) (at 16 St. Mary's Parsonage, Manchester), at 7.30.—A. N. Haworth: Engineering Troubles.

NORTH-EAST COAST INSTITUTION OF ENGINEERS AND SHIPBUILDERS (Middlesbrough Graduate Section) (at Middlesbrough), at 7.30.—T. B. Lewis: Chairman's Address.

HUNTERIAN SOCIETY (at Simpson's Restaurant, Cheapside), at 7.30.—Dr. F. H. Humphris: Light (Presidential Address).

CHEMICAL INDUSTRY CLUB (at 2 Whitehall Court, S.W.), at 8.—Annual General Meeting.

TUESDAY, OCTOBER 20.

ZOOLOGICAL SOCIETY OF LONDON, at 5.30.—Secretary: Report on the Additions to the Society's Menagerie during the months of June, July, August, and September.—L. C. Bushby: Exhibition of Insects recently exhibited in the Insect House.—Capt. E. W. Shann: Exhibition of Cinematograph Films taken on board the *Salpa* at Plymouth.—Dr. G. K. Noble: Voice as a Factor in the Breeding of Patrachians.—Dr. J. Stephenson: The Oligochaeta of Spitsbergen and Bear Island; some Additions and a Summary.—R. I. Pocock: The External Characters of the Catarrhine Apes and Monkeys.—G. C. Robson: The Deep-Sea Octopoda.

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INSTITUTE OF MARINE ENGINEERS, at 6.30—Presidential Address.

ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN, at 7.—Capt. J. G. Noel: The Mount Everest Expedition (Lecture).

INSTITUTION OF ENGINEERS AND SHIPBUILDERS IN SCOTLAND (at 39 Elmbank Crescent, Glasgow), at 7.30.—Discussion on paper by A. J. T. Taylor entitled The Ruhs Steam Accumulator.—D. MacNicol: The Jubilee of the Marine Spring-loaded Safety Valve.

ROYAL ANTHROPOLOGICAL INSTITUTE, at 8.15.—Miss Winifred S. Blackman: The Customs of the Modern Peasant Population of Egypt. SOCIOLOGICAL SOCIETY (at Royal Society), at 8.15.—The Coal Crisis as illustrating the Modern Transition:—Prof. Geddes: Changes in the Coal Industry as Symptoms of Social Transition.—J. A. Hobson: The Required Economic Adjustments.—Dr. Saleeby: The Required Hygienic Adjustments.—Prof. Abercrombie: The Regional Planning of New Coalfields.—Prof. Desch: The Required Technological Adjustments.—E. Kilburn Scott: The Adaptation of the Coal Gas Industry.

WEDNESDAY, OCTOBER 21.

SOCIETY OF GLASS TECHNOLOGY (at the University, Sheffield), at 2.30.—T. C. Moorshead: The Glass Industry and Future Developments (Presidential Address).

ROYAL SOCIETY OF MEDICINE (History of Medicine Section), at 5.—Dr. J. D. Rolleston: Voltaire and Medicine. Part I.

NEWCOMEN SOCIETY FOR THE STUDY OF THE HISTORY OF ENGINEERING AND TECHNOLOGY (at Chamber of Commerce, New Street, Birmingham), at 5.30.—J. W. Hall: A Precis, with Annotations, of a Diary of a Tour in the Midlands in 1823, kept by Joshua Field.

INSTITUTION OF AUTOMOBILE ENGINEERS (Birmingham Graduates Meeting) (at Chamber of Commerce, Birmingham), at 7.30.—T. Grover: The Influence on Engine Performance of Cylinder Arrangement and Construction.

ENTOMOLOGICAL SOCIETY OF LONDON, at 8.

ROYAL MICROSCOPICAL SOCIETY, at 8.—Prof. A. G. Hornyold: Otoliths of Large Eels from the Albufera of Valencia.—Dr. Helen Ingleby: Note on the Termination of the Podic (Perivascular Foot) of Fibrous Neuroglia Cells.

INSTITUTE OF CHEMISTRY (London Section.)

THURSDAY, OCTOBER 22.

INSTITUTION OF ELECTRICAL ENGINEERS, at 6.—R. A. Chattock: Presidential Address.

INSTITUTION OF AUTOMOBILE ENGINEERS (Luton Graduates Meeting) (at Luton), at 7.30.—A. J. Hancock: Address.

INSTITUTION OF AUTOMOBILE ENGINEERS (Birmingham and Coventry Centres) (at Queen's Hotel, Birmingham), at 8.—H. K. Thomas: Presidential Address.

FRIDAY, OCTOBER 23.

PHYSICAL SOCIETY OF LONDON (at Imperial College of Science and Technology), at 5.—H. E. Smith: The Influence of Strain on the Thomson Effect.—W. Mandell: The Measurement of Temperature by Thermocouples in Unequally Heated Enclosures.—W. Clarkson: On the Flashing of certain Types of Argon-Nitrogen Discharge Tubes.

ROYAL COLLEGE OF SURGEONS OF ENGLAND, at 5.—Sir Arthur Keith: Demonstration of Preparations and Models to illustrate the Mechanism of the Internal Ear.

ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN, at 7.—J. E. Saunders: Old and New Friends in the Zoo (Lecture).

JUNIOR INSTITUTION OF ENGINEERS, at 7.30.—H. S. Bower: The Construction and Laying of Reinforced Concrete Pipes.

ROYAL SOCIETY OF MEDICINE (Epidemiology and State Medicine Section), at 8.—Dr. T. S. Wilson: On the Management of Scarlatinal Epidemics in Boarding Schools.

SATURDAY, OCTOBER 24.

INSTITUTION OF MUNICIPAL AND COUNTY ENGINEERS (South-Western District) (at Bridgewater), at 11.

NORTH OF ENGLAND INSTITUTE OF MINING AND MECHANICAL ENGINEERS (Newcastle-upon-Tyne), at 2.30.

BRITISH PSYCHOLOGICAL SOCIETY (at King's College), at 3.15.—B. Stevanovic: Conational Phenomena in Processes of Judgment.—Miss Ethel Stoneman: Apparatus used to investigate Electrical Changes accompanying Emotional States in the Insane. The Waller Emotometer and the Godefroy Tachogram.

PUBLIC LECTURES.

SATURDAY, OCTOBER 17.

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

MONDAY, OCTOBER 19.

UNIVERSITY OF LEEDS, at 5.15.—Prof. E. G. Coker: Photo-Elasticity. KING'S COLLEGE, at 5.30.—R. J. Bartlett: Psychology and Education.

WEDNESDAY, OCTOBER 21.

UNIVERSITY COLLEGE, at 3.—Prof. E. G. Gardner: Barlow Lectures on Dante: The Purgatorio. (Succeeding Lectures on October 28, November 4, 11, 18, and 25.) LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE, at 5.—Dr. C. S. Myers: Hindrances to Output.

THURSDAY, OCTOBER 22.

KING'S COLLEGE, at 5.30.—Dr. B. Malinowski: The Contributions of Anthropology to Social Hygiene.

SATURDAY, OCTOBER 24.

HORNIMAN MUSEUM (Forest Hill), at 3.30.—H. N. Milligan: The Defences of Animals.